"Our Coatings Fly All Over the World"

Intrepid Coatings, Inc. Technical Data Sheets

Industrial Coatings

Intrepid Coatings
1910 East Riverview Drive
Phoenix, AZ 85034
Phone: (602)243-3293
Fax: (602)268-6801
E-Mail: info@intrepidcoatings.com

TECHNICAL DATA SHEET
MIL-C-81773C POLYURETHANE
PAGE 1 OF 2

PRODUCT: A two-component polyurethane coating conforming to military specification MIL-C-81773C.

DESCRIPTION: MIL-C-81773C Polyurethane Coating is a two-component chemically cured product that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant coating is required. This coating is available in a 1:1 mixture for spray applications. It is specially formulated for aerospace and related use.

PROPERTIES:

SOLIDS(Weight)	52 - 59%
SOLIDS(Volume)	40 - 46%
VISCOSITY	70 - 90 KU
COLOR	Full Range
POT LIFE(77 degrees F)	6 - 8 Hours*
TACK FREE	6 Hours*
RECOAT	Overnight*
LIGHT SERVICE	24 Hours*
FULL SERVICE	7 Days*

* Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.

TECHNICAL DATA SHEET
MIL-C-81773C POLYURETHANE
PAGE 2 OF 2

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or grease. Greasy or oily surfaces should be solvent cleaned with care taken not to paint over moist or wet surfaces. The recommended primer is MIL-P-23377F Type I Epoxy Polyamide. The use of alkyd based primers under this coating is not advisable.
Old paint in peeling condition must be removed. Sandblasting or wire brushing are the preferred methods. Chalky paint must also be wire brushed for maximum adhesion.

APPLICATION: MIL-C-81773 Polyurethane Coating can be brushed rolled or sprayed. The preferred method is spraying. Mechanically mix each component, then combine at a ratio of 1:1 by volume. Let admixed material stand for 15-30 minutes before using to allow for chemical induction. If thinning is required, use Griggs MIL-T-81772B Polyurethane Thinner.

PRECAUTIONS:
USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

TECHNICAL DATA SHEET
MIL-PRF-85285C
PAGE 1 OF 2

PRODUCT: A two-component aliphatic, polyester polyurethane coating.

DESCRIPTION: Griggs MIL-PRF-85285C Polyurethane Coating is a two component chemically cured product that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant coating is required. This coating is available in a 4:1 mixture for brush, roll and spray applications. It is specially formulated for excellent ultraviolet ray resistance and superior exterior durability.

PROPERTIES:

SOLIDS(Weight)..... 65 - 70%**
SOLIDS(Volume)..... 53 - 57%**
VISCOSITY..... 70 - 90 KU
GLOSS:@60 DEG
Gloss Colors..... Minimum 90%
Semi-gloss Colors..... 15 - 45%
Camouflage Colors..... Maximum 5%
COLORS..... Full Range
POT LIFE(77 degrees F)..... 6 - 8 Hours*
TACK FREE..... 2 Hours*
RECOAT..... Overnight*
LIGHT SERVICE..... 24 Hours*
FULL SERVICE..... 7 Days*
VOC(Maximum)TYPE I..... 420 g/L
TYPE II..... 340 g/l

* Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.

**Values will vary with color.

TECHNICAL DATA SHEET
MIL-PRF-85285C
PAGE 2 OF 2

ADVANTAGES:

(1). Excellent Exterior Durability
(2). Abrasion Resistant
(3). Chemical Resistant
(4). Meets ASTM Standard Tests
(5). Resistant to Corrosive Fumes
(6). Meets Military Specification

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or grease. Greasy or oily surfaces should be solvent cleaned with care taken not to paint over moist or wet surfaces. The recommended primer is MIL-P-23377F or MIL-P-85582. The use of alkyd based primers under this coating is not advisable.
Old paint in peeling condition must be removed. Sandblasting or wire brushing are the preferred methods. Chalky paint must also be wire brushed for maximum adhesion.

APPLICATION: Griggs MIL-PRF-85285C Polyurethane Coating can be brushed rolled or sprayed. Mechanically mix each component, then combine at a ratio of 4:1 by volume. Let admixed material stand for 15 minutes before using to allow for chemical induction. If thinning is required, use Griggs MIL-T-81772B Polyurethane Thinner.

PRECAUTIONS:
USE WITH ADEQUATE VENTILATION.

CONTENTS ARE FLAMMABLE.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

TECHNICAL DATA SHEET
MIL-C-83286B POLYURETHANE
PAGE 1 OF 2
100C02

PRODUCT: A two-component isocyanate/polyester polyurethane coating for steel formulated for excellent exterior durability and gloss retention. This coating meets Government Specification MIL-C-83286B (USAF).

DESCRIPTION: Griggs MIL-C-83286B POLYURETHANE Coating is a two component chemically cured product that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion properly prepared steel and recommended for heavy duty industrial applications where a tough, chemical resistant coating is required. This coating is available in a 1:1 mixture for brush, roll and spray applications. It is specially formulated for excellent ultraviolet ray resistance and superior exterior durability.

PROPERTIES:

SOLIDS(Weight)	44 - 46%
SOLIDS(Volume)	38 - 40%
VISCOSITY	70 - 90 KU
COLORS	Clear Gloss
LIFE(77 degrees F)	6 - 8 Hours*
TACK FREE	2 Hours
RECOAT	1 Hour
LIGHT SERVICE	24 Hours
FULL SERVICE	7 Days

*Temperature and humidity will affect dry times

ADVANTAGES:

(1). Excellent Exterior Durability
(2). Meets Govt Specification MIL-C-83286B
(3). Chemical Resistant
(4). Meets ASTM Standard Tests
(5). Resistant to Corrosive Fumes
(6). Abrasion Resistant

TECHNICAL DATA SHEET
MIL-C-83286B POLYURETHANE
PAGE 2 OF 2
100C02

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or grease. Greasy or oily surfaces should be solvent cleaned with care taken not to paint over moist or wet surfaces. The recommended steel primer is MIL-P-23377F Type I Epoxy Polyamide. The use of alkyd based primers under this coating is not advisable. Old paint in peeling condition must be removed. Sandblasting or wire brushing are the preferred methods. Chalky paint must also be wire brushed for maximum adhesion.

APPLICATION: Griggs MIL-C-83286B POLYURETHANE Coating can be brushed rolled or sprayed. Mechanically mix each component, then combine at a ratio of 1:1 by volume. Let admixed material stand for 15 to 30 minutes before using to allow for chemical induction. Requires only minimum thinning, is normally ready for application after catalyzation. If thinning is required, use Griggs MIL-T-81772B Polyurethane Thinner.

PRECAUTIONS:

Catalyst component is moisture sensitive. Always immediately secure the lid on the can after use. If a reaction precipitate forms in the can, then moisture contamination has occurred and the catalyst should not be used.

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

TECHNICAL DATA SHEET
HI-BUILD ACRYLIC POLYURETHANE
PAGE 1 OF 2

PRODUCT: A two-component aliphatic, acrylic polyurethane coating.

DESCRIPTION: Griggs HI-BUILD Acrylic Polyurethane Coating is a two-component chemically cured product that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant coating is required. This coating is available in a 4:1 mixture for brush, roll and spray applications. It is specially formulated for excellent ultraviolet ray resistance and superior exterior durability. Low Volatile Organic Compound content conforms to air pollution regulations.

PROPERTIES:

SOLIDS(Weight)	78 - 82%**
SOLIDS(Volume)	66 - 70%**
VISCOSITY	75 - 85 KU
COLOR	Full Range
POT LIFE(77 degrees F)	2 - 3 Hours*
TO TOUCH	1 - 2 Hours*
TO HANDLE	6 Hours*
TO RECOAT	8 Hours*
FULL SERVICE	7 Days*

* Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.

**Values will vary with color.

ADVANTAGES:

(1). Excellent Exterior Durability
(2). Abrasion Resistant
(3). Chemical Resistant
(4). Meets ASTM Standard Tests
(5). Resistant to Corrosive Fumes
(6). VOC Compliant

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or grease. Greasy or oily surfaces should be solvent cleaned with care taken not to paint over moist or wet surfaces. Prime with suitable primer for expected exposure and service. The use of alkyd based primers under this coating is not advisable.

Old paint in peeling condition must be removed. Sandblasting or wire brushing are the preferred methods. Chalky paint must also be wire brushed for maximum adhesion.

APPLICATION: Griggs HI-BUILD Acrylic Polyurethane Coating can be brushed rolled or sprayed. Mechanically mix each component, then combine at a ratio of 4:1 by volume. Add contents of the container marked Part B to Part A while stirring. Thin with Griggs Polyurethane Reducer T0012, 10 - 20% (3/4 to 1 1/2 pints per gallon) for proper application.

PRECAUTIONS:
USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

TECHNICAL DATA SHEET
GRAFFITI-GUARD COATING
CLEAR POLYURETHANE
PAGE 1 OF 2
100C16

PRODUCT: A two-component, high-solids, aliphatic polyurethane coating.

DESCRIPTION: Griggs GRAFFITI-GUARD Polyurethane Coating is a two-component chemically cured product that forms a clear, durable film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is recommended for graffiti prone areas such as retaining walls, alley way walls, storefronts, semi- tractor trailers and rigs. This coating is available in a 4:1 mixture for brush, roll and spray applications. It is specially formulated for excellent ultraviolet ray resistance and superior exterior durability. Available in gloss, semigloss and satin sheens.

PROPERTIES:

SOLIDS(Weight)..... 66 - 68%
SOLIDS(Volume)..... 59 - 61%
VISCOSITY..... 75 - 90 KU
COLORS..... Full Range POT
LIFE(77 degrees F)..... 6 - 8 Hours* TACK
FREE..... 2 Hours* DRY
HARD..... 8 Hours* LIGHT
SERVICE..... 24 Hours* FULL
SERVICE..... 7 Days*

* Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.

ADVANTAGES:

(1). Excellent Exterior Durability
(2). Abrasion Resistant
(3). Anti-Graffiti Coating
(4). Solvent & Chemical Resistant
(5). Hi-Solids

TECHNICAL DATA SHEET
GRAFFITI-GUARD COATING
CLEAR POLYURETHANE
PAGE 2 OF 2
100C16

USES:

(1). Interior/Exterior Painted Walls
(2). Fences
(3). Graffiti Prone Areas / Masonry
(4). Metal
(5). Wood

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or grease. If coating over existing epoxy coating, a light sanding is recommended to aid adhesion.

Greasy or oily surfaces should be solvent cleaned with care taken not to paint over moist or wet surfaces.

APPLICATION: Griggs GRAFFITI-GUARD Polyurethane Coating can be brushed rolled or sprayed. Mechanically mix each component, then combine at a ratio of 4:1 by volume. Let admixed material stand for 15 minutes before using to allow for chemical induction. If thinning is required, use Griggs Polyurethane Thinner.

PRECAUTIONS:
USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

CONTENTS ARE FLAMMABLE.

TECHNICAL DATA SHEET
MOISTURE CURE POLYURETHANE
PAGE 1 OF 2

PRODUCT: A single component, moisture cure, aliphatic polyurethane coating.

DESCRIPTION: Griggs Moisture Cure Polyurethane coating is a high gloss, single component, moisture cure polyurethane finish coat that is resistant to many chemicals, abrasion and exterior exposure. It is recommended for heavy duty industrial applications where a tough, chemical resistant coating is required. It may be applied over most epoxies and urethanes. This coating has excellent gloss retention with a quick re-coat time.

PROPERTIES:

SOLIDS(Weight)..... 64 - 73%
SOLIDS(Volume)..... 62 - 64%
VISCOSITY..... 75 - 85 KU
COLORS..... Clear
DRYING TIMES:(AT 75° F, 40% Relative Humidity)
TO TOUCH..... 3 Hours*
RECOAT..... 5 Hours*
LIGHT SERVICE..... 18 Hours*
FULL SERVICE..... 7 Days*
* All of the drying times are affected by relative humidity. Higher film thicknesses, inadequate ventilation, and lower humidities will increase dry and cure times.

POT LIFE:
This coating reacts with moisture to cure. Newly opened cans can last up to 1 week when material is mixed, poured into a working pot or roller pan, and then re-sealed immediately. The pot life of the working material is up to 6 hours for spray and up to 4 hours for brush and roll. The maximum recoat time after application is 48 hours. If this time is exceeded, the surface must be "roughened" by sanding, sweep- blasting or some other form of abrasion to reduce the gloss and roughen the surface so that subsequent coats can adhere properly.

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or grease. Greasy or oily surfaces should be solvent cleaned with care taken not to paint over moist or wet surfaces. A two-part epoxy coating is recommended for use as a primer. The use of alkyd based primers under this coating is not advisable. Old paint in peeling condition must be removed. Sandblasting or wire brushing are the preferred methods. Chalky paint must also be wire brushed for maximum adhesion.

APPLICATION: Griggs Moisture Cure Polyurethane Coating can be brushed rolled or sprayed. The preferred method is spraying. For brush and roll, use medium china bristle brush or a lambskin roller cover. Avoid excessive rebrushing or re- rolling, as stroke marks may not level sufficiently to a smooth appearance.

PRECAUTIONS:
USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

CONTENTS ARE FLAMMABLE.

TECHNICAL DATA SHEET
TT-C-542E CLEAR
MOISTURE CURE URETHANE
PAGE 1 OF 2

PRODUCT: A single component clear polyurethane coating formulated for excellent exterior durability. This coating meets TT C 542E Type I, Class A. No catalyst is required.

DESCRIPTION: Griggs MOISTURE CURE POLYURETHANE Coating is a single component moisture-cured product that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical, weather, water and abrasion resistant coating is required. *Available in gloss, semigloss and flat.*

PROPERTIES:

SOLIDS(Weight)	35 - 45%*
VISCOSITY	50 - 200 CPS
COLOR	Clear **
TACK FREE	2 Hours
DRY THROUGH	5 Hours

* Values will vary with gloss.
** AVAILABLE IN CLEAR ONLY **

ADVANTAGES:

(1). Excellent Exterior Durability
(2). Abrasion Resistant
(3). Chemical Resistant
(4). Water Resistant
(5). Resistant to Corrosive Fumes

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or grease. Greasy or oily surfaces should be solvent cleaned with care taken not to paint over moist or wet surfaces.

APPLICATION: Griggs Moisture Cure Polyurethane Coating can be brushed rolled or sprayed. If thinning is required, use Griggs MIL-T-81772B Type I Polyurethane Thinner.

PRECAUTIONS:
USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

CONTENTS ARE FLAMMABLE.

TECHNICAL DATA SHEET
MIL-C-83286 POLYURETHANE
100G57 RAL-6021 GREEN
PAGE 1 OF 2

PRODUCT: A two-component isocyanate/polyester polyurethane coating formulated for excellent exterior durability and gloss retention. This coating meets MIL-C-83286B (USAF).

DESCRIPTION: Griggs MIL-C-83286 POLYURETHANE Coating is a two component chemically cured product that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant coating is required. This coating is available in a 1:1 mixture for brush, roll and spray applications. It is specially formulated for excellent ultraviolet ray resistance and superior exterior durability.

PROPERTIES:

SOLIDS(Weight)..... 40 - 45%**,*
SOLIDS(Volume)..... 52 - 55%**,*
VISCOSITY..... 70 - 90 KU
RECOMMENDED DRY FILM THICKNESS..... 1.25 MILS
LIFE(77 degrees F)..... 6 - 8 Hours*
TACK FREE..... 2 Hours
RECOAT..... 1 Hour
LIGHT SERVICE..... 24 Hours
FULL SERVICE..... 7 Days

Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.

**Values will vary with color.

*Catalyzed values.

TECHNICAL DATA SHEET
MIL-C-83286 POLYURETHANE
100G57 RAL-6021 GREEN

ADVANTAGES:

(1). Excellent Exterior Durability
(2). Abrasion Resistant
(3). Chemical Resistant
(4). Meets ASTM Standard Tests
(5). Resistant to Corrosive Fumes

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or grease. Greasy or oily surfaces should be solvent cleaned with care taken not to paint over moist or wet surfaces. The recommended primer is MIL-P-23377F Type I Epoxy Polyamide. The use of alkyd based primers under this coating is not advisable.
Old paint in peeling condition must be removed. Sandblasting or wire brushing are the preferred methods. Chalky paint must also be wire brushed for maximum adhesion.

APPLICATION: Griggs MIL-C-83286 POLYURETHANE Coating can be brushed rolled or sprayed. Mechanically mix each component, then combine at a ratio of 1:1 by volume. Let admixed material stand for 15 to 30 minutes before using to allow for chemical induction. If thinning is required, use Griggs MIL-T-81772B Polyurethane Thinner.

PRECAUTIONS:
USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

TECHNICAL DATA SHEET
EPOXY MODIFIED
POLYURETHANE COATING
PAGE 1 OF 2

PRODUCT: A two-component isocyanate/polyester epoxy polyurethane coating formulated for excellent exterior durability, adhesion and abrasion resistance.

DESCRIPTION: Griggs Epoxy Modified Polyurethane Coating is a two component chemically cured product that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant coating is required. This coating is available in a 1:1 mixture for brush, roll and spray applications. It is specially formulated for excellent ultraviolet ray resistance and superior exterior durability.

PROPERTIES:

SOLIDS(Weight)	54 - 56%**,*
SOLIDS(Volume)	42 - 44%**,*
VISCOSITY	70 - 90 KU
COLORS	Full Range
LIFE(77 degrees F)	6 - 8 Hours*
TACK FREE	2 Hours
RECOAT	1 Hour
LIGHT SERVICE	24 Hours
FULL SERVICE	7 Days

Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.

** Values will vary with color.

* Admixed.

TECHNICAL DATA SHEET
EPOXY MODIFIED
POLYURETHANE COATING
PAGE 2 OF 2

ADVANTAGES:

(1). Excellent Exterior Durability
(2). Abrasion Resistant
(3). Chemical Resistant
(4). Satin Sheen
(5). Resistant to Corrosive Fumes
(6). Quick Dry

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, mold release agents or grease. Greasy or oily surfaces should be solvent cleaned with care taken not to paint over moist or wet surfaces. It is recommended that old paint be removed before application so that coating is applied directly to bare concrete surface.

APPLICATION: Griggs Epoxy Modified Polyurethane Coating can be brushed rolled or sprayed. Mechanically mix each component, then combine at a ratio of 1:1 by volume. Let admixed material stand for 15 to 30 minutes before using to allow for chemical induction. If thinning is required, use Griggs MIL-T-81772B Polyurethane Thinner.

PRECAUTIONS:
USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

TECHNICAL DATA SHEET
MIL-C-83286B CATALYST

PRODUCT DESCRIPTION:

MIL-C-83286B is an aliphatic polyurethane catalyst designed specifically for 1:1 mixture by volume, two component MIL-C-83286B polyurethane coatings. Such films show excellent chemical and exterior weather resistance as well as hardness and toughness. At normal film thicknesses and climatic conditions, MIL-C-83286B will dry tack free within 2-3 hours and dry to handle in 8 hours.

PERFORMANCE HIGHLIGHTS:

MIL-C-83286B catalyst is recommended for those applications requiring the use of an aliphatic polyurethane coating conforming to MIL-C-83286B with a 1:1 by volume mix ratio.

(1). CHEMICAL RESISTANCE
(2). EXTERIOR UV AND WEATHER RESISTANCE
(3). HARDNESS & FLEXIBILITY

DENSITY: 7.84 POUNDS/GALLON
V.O.C.: 629 GRAMS/LITER

TECHNICAL DATA SHEET
10% POLYURETHANE ACCELERATOR
100V07

PRODUCT DESCRIPTION:

Griggs 100V07 is a polyurethane accelerator catalyst designed specifically two component polyurethane coatings.

MIXING DIRECTIONS:

Mix in 1/2 - 1-1/2 ounces of 100V07 per gallon of admixed polyurethane.

Griggs 100V07 polyurethane accelerator is recommended for use in decreasing the cure time of two-component polyurethane coatings. Caution must be used in addition of this product, as pot life can be significantly reduced resulting in catalyzation of the coating in spray lines and on painting tools. It is strongly recommended to use the minimum or below minimum amount to check working pot life of product. Pot life is affected addition of accelerator as well as ambient temperature, humidity, and heat generated by spray equipment.

PRECAUTIONS:

CONTENTS ARE FLAMMABLE.

USE WITH ADEQUATE VENTILATION

KEEP FROM HEAT, SPARKS AND FLAME.

READ MSDS BEFORE USE.

TECHNICAL DATA SHEET
MIL-C-85285B(AS) 4:1

PRODUCT DESCRIPTION:

MIL-C-85285B(AS) is an aliphatic polyurethane catalyst designed specifically for 4:1 mixture by volume, two component MIL-C-85285B(AS) polyurethane coatings. Such films show excellent chemical and exterior weather resistance as well as hardness and toughness. At normal film thicknesses and climatic conditions, MIL-C-85285B(AS) will dry tack free within 2-3 hours and dry to handle in 6-8 hours.

PERFORMANCE HIGHLIGHTS:

MIL-C-85285B(AS) catalyst is recommended for those applications requiring the use of an aliphatic polyurethane coating conforming to MIL-C-85285B with a 4:1 by volume mix ratio.

(1). CHEMICAL RESISTANCE
(2). EXTERIOR UV AND WEATHER RESISTANCE
(3). HARDNESS & FLEXIBILITY

DENSITY: 8.61 POUNDS/GALLON
V.O.C.: 258 GRAMS/LITER

TECHNICAL DATA SHEET
3:1 URETHANE COATING
PAGE 1 OF 3

PRODUCT: A two-component aliphatic, polyester polyurethane coating.

DESCRIPTION: Griggs 3:1 Polyurethane Coating is a two- component chemically cured product that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical, water and abrasion resistant coating is required. Excellent for use as an exterior Anti-Graffiti Coating. This coating is available in a 3:1 mixture for brush, roll and spray applications. It is specially formulated for excellent ultraviolet ray resistance and superior exterior durability.

PROPERTIES:

SOLIDS(Weight)	65 - 70%**
SOLIDS(Volume)	53 - 57%**
VISCOSITY	75 - 90 KU
COLORS	Full Range
POT LIFE(77 degrees F)	6 - 8 Hours*
TACK FREE	2 Hours*
DRY HARD	8 Hours*
LIGHT SERVICE	24 Hours*
FULL SERVICE	7 Days*

* Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.

**Values will vary with color.

ADVANTAGES:

(1). Excellent Exterior Durability
(2). Abrasion Resistant
(3). Anti-Graffiti Coating
(4). Meets ASTM Standard Tests
(5). Resistant to Corrosive Fumes
(6). Solvent & Chemical Resistant

TECHNICAL DATA SHEET
3:1 URETHANE COATING
PAGE 2 OF 3

USES:

(1). Equipment
(2). Epoxy Primed Concrete Floors (3). Graffiti Prone Areas / Masonry (4). Automotive/Heavy Equipment (5). Parking Garages

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or grease. Greasy or oily surfaces should be solvent cleaned with care taken not to paint over moist or wet surfaces. The recommended primer is 612A Low "VOC" Epoxy Primer. The use of alkyd based primers under this coating is not advisable. Old paint in peeling condition must be removed. Sandblasting or wire brushing are the preferred methods. Chalky paint must also be wire brushed for maximum adhesion.

APPLICATION: Griggs 3:1 Polyurethane Coating can be brushed rolled or sprayed. Mechanically mix each component, then combine at a ratio of 3:1 by volume. Let admixed material stand for 15 minutes before using to allow for chemical induction. If thinning is required, use Griggs Polyurethane Thinner per MIL-T-81772B TY.I.

PRECAUTIONS:

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

CONTENTS ARE FLAMMABLE.

TECHNICAL DATA SHEET
3:1 URETHANE COATING
PAGE 3 OF 3

RESISTANCE PROPERTIES CHART

EXPOSURE	SPLASH & SPILLAGE	FUMES
Acids	Very Good	Excellent
Alkalies	Very Good	Excellent
Solvents	Very Good	Excellent
Salt	Excellent	Excellent
Water	Excellent	Excellent

Solvent Resistance: Passes Methyl Ethyl Ketone rub test:

A cotton terry-cloth rag shall be soaked in methyl ethyl ketone solvent and rubbed back and forth 25 times(50 passes) over the coating with a firm finger pressure. Rubbing through to bare metal indicates failure due to improper cure.

Heat Resistance: Passes

Continuous: 200 Degrees F
Non-Continuous: 250 Degrees F

Fluid Resistance: Passes

Two test panels shall be separately immersed for 24 hours in MIL-L-23699 lubricating oil at a temperature of 245 - 255 Degrees Fahrenheit and MIL-L-83282 hydraulic fluid at a temperature of 145 - 155 Degrees Fahrenheit. Fours hours after removal, the film shall not exhibit any blistering, softening, dark staining, or other film defects.

TECHNICAL DATA SHEET
MIL-PRF-85285C POLYURETHANE
PAGE 1 OF 2

PRODUCT: A two-component aliphatic, polyester polyurethane coating.

DESCRIPTION: Griggs MIL-PRF-85285C Polyurethane Coating is a two component chemically cured product that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant coating is required. This coating is available in a 4:1 mixture for brush, roll and spray applications. It is specially formulated for excellent ultraviolet ray resistance and superior exterior durability.

PROPERTIES:

SOLIDS(Weight)..... 65 - 70%**
SOLIDS(Volume)..... 53 - 57%**
VISCOSITY..... 70 - 90 KU
GLOSS:@60 DEG
Gloss Colors..... Minimum 90%
Semi-gloss Colors..... 15 - 45%
Camouflage Colors..... Maximum 5%
COLORS..... Full Range POT
LIFE(77 degrees F)..... 6 - 8 Hours*
TACK FREE..... 2 Hours*
RECOAT..... Overnight*
LIGHT SERVICE..... 24 Hours*
FULL SERVICE..... 7 Days*
VOC(Maximum)TYPE I..... 420 g/L
TYPE II..... 340 g/l

* Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.

**Values will vary with color.

TECHNICAL DATA SHEET
MIL-PRF-85285C POLYURETHANE
PAGE 2 OF 2

ADVANTAGES:

(1). Excellent Exterior Durability
(2). Abrasion Resistant
(3). Chemical Resistant
(4). Meets ASTM Standard Tests
(5). Resistant to Corrosive Fumes
(6). Meets Military Specification

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or grease. Greasy or oily surfaces should be solvent cleaned with care taken not to paint over moist or wet surfaces. The recommended primer is MIL-P-23377F or MIL-P-85582. The use of alkyd based primers under this coating is not advisable.
Old paint in peeling condition must be removed. Sandblasting or wire brushing are the preferred methods. Chalky paint must also be wire brushed for maximum adhesion.

APPLICATION: Griggs MIL-PRF-85285C Polyurethane Coating can be brushed rolled or sprayed. Mechanically mix each component, then combine at a ratio of 4:1 by volume. Let admixed material stand for 15 minutes before using to allow for chemical induction. If thinning is required, use Griggs MIL-T-81772B Type I Polyurethane Thinner.

PRECAUTIONS:
USE WITH ADEQUATE VENTILATION.

CONTENTS ARE FLAMMABLE.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

TECHNICAL DATA SHEET
107 SERIES POLYURETHANE
PAGE 1 OF 2

PRODUCT: A two-component commercial grade polyurethane coating conforming.

DESCRIPTION: Griggs 107 Series Polyurethane Coating is a two-component chemically cured product that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant coating is required. This coating is available in a 1:1 mixture for spray applications. It is specially formulated for ultra high gloss and superior resistance to exterior conditions.

PROPERTIES:

SOLIDS(Weight)	52 - 59%
SOLIDS(Volume)	40 - 46%
VISCOSITY	70 - 90 KU
COLOR	Full Range
POT LIFE(77 degrees F)	6 - 8 Hours*
TACK FREE	6 Hours*
RECOAT	Overnight*
LIGHT SERVICE	24 Hours*
FULL SERVICE	7 Days*

* Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.

TECHNICAL DATA SHEET
107 SERIES POLYURETHANE
PAGE 2 OF 2

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or grease. Greasy or oily surfaces should be solvent cleaned with care taken not to paint over moist or wet surfaces. The recommended primer is MIL-P-23377F Type I Epoxy Polyamide. The use of alkyd based primers under this coating is not advisable.
Old paint in peeling condition must be removed. Sandblasting or wire brushing are the preferred methods. Chalky paint must also be wire brushed for maximum adhesion.

APPLICATION: Griggs 107 Series Polyurethane Coating can be brushed rolled or sprayed. The preferred method is spraying. Mechanically mix each component , then combine at a ratio of 1:1 by volume. Let admixed material stand for 15-30 minutes before using to allow for chemical induction. If thinning is required, use Griggs MIL-T-81772B TY.I Polyurethane Thinner.

PRECAUTIONS:
USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

CONTENTS ARE FLAMMABLE!

TECHNICAL DATA SHEET
ALKYD DIPPING PRIMER
200A82 ADVANCE GRAY
PAGE 1 OF 2

PRODUCT: A lead-free, high-solids alkyd primer for ferrous metals. Advance Gray primer is a one- component, modified alkyd primer formulated for dipping application.

DESCRIPTION: A rust-resistant primer for ferrous metal. Advance Gray primer is lead and chromate free and low "VOC". This primer offers superior "wetting" of the substrate in addition to excellent adhesion.

PROPERTIES:

COLOR..... Advance Gray
SOLIDS(Weight)..... 58 - 61%
SOLIDS(Volume)..... 41 - 44%
THEORETICAL COVERAGE..... 400 sq.ft/gal
DRY FILM THICKNESS..... 2.0 mils p/coat

DRYING TIME-AT 75 DEGREES F:

TO HANDLE..... 1 Hour
TO RECOAT..... 4 Hours
VEHICLE TYPE..... Modified Alkyd
WEIGHT/GAL..... 9.4 - 9.8 lbs/gal
FINISH..... Low to Flat Sheen

ADVANTAGES:

(1). Corrosion Resistant
(2). Excellent Foundation
(3). Abrasion Resistant
(4). Excellent Adhesion

USES:

(1). Steel
(2). Machinery
(3). Tanks
(4). Equipment
(5). Towers
(6). Metal Surfaces

APPLICATION & REDUCTION:

Griggs Advance Gray Primer is formulated for dipping application. May also be used for spray application, normally with no additional thinning. Brushing small areas is also possible.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read MSDS before use.

TECHNICAL DATA SHEET
UCRYL #3770 CLEAR GLOSS
URETHANE ACRYLIC COATING
PAGE 1 OF 2

PRODUCT: An air-dry, waterbase, urethane acrylic coating. Can be used with or without catalyst.

DESCRIPTION: A high grade clear water reducible acrylic emulsion that when used with Ucryl Catalyst forms a high gloss, clear film that is tough and flexible. It has superior UV resistance and outstanding mar and block resistance for use on furniture, wood floors and many types of plastics. If additional durability is desired, catalyze at a ratio of 16:1 by volume with Ucryl #3770 catalyst.

PROPERTIES:

APPEARANCE	Milky White Emulsion
SOLIDS(Volume)	29.5%
SOLIDS(WEIGHT)	32.0%
pH	8.0
V.O.C. CONTENT	287 g/l

DRYING TIME-AT 75 DEGREES F:

SET-TO-TOUCH	45 MINUTES
DRY HARD	125 MINUTES
DRY THROUGH	4 HOURS
THEORETICAL COVERAGE	200 - 250 SQ.FT/GAL

ADVANTAGES:
(1). Water Base
(2). Fast Hardness Development
(3). Mar Resistant
(4). Outstanding Adhesion
(5). Solvent & Chemical Resistant

USES:
(1). Furniture
(2). Wood Floors
(3). Railings
(4). Anti-Graffiti Coating
(5). Bar Tops
(6). Plastics

TECHNICAL DATA SHEET
UCRYL #3770 CLEAR GLOSS
URETHANE ACRYLIC COATING
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs UCRYL #3770 may be applied by brush, roll or airless spray application. For spraying, use as is or with minimum thinning. A pad applicator is recommended for application of clear to floors to prevent air bubbles from forming in the film. If enhanced durability is desired, catalyst addition of catalyst is recommended. Pre-thin the Ucryl #3770 with one pint of water per gallon. Then catalyze at a ratio of 16 parts Ucryl #3770 to 1 part of catalyst. Pre thinning of the Ucryl #3770 before addition of catalyst is critical, as failure to pre-thin will result in loss of gloss and coagulation of the polymer.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application.

WOOD:

Surface must be clean and free of all oil, grease and foreign material. Badly worn or rough wood should be sanded smooth and then cleaned with a tack rag.

PRECAUTIONS:

KEEP FROM FREEZING.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
HYDRO-ACRYLIC 300A62
ADOT #3 ALUMINUM TOPCOAT
PAGE 1 OF 2

PRODUCT: An air-dry, two-part, waterbase, modified acrylic coating conforming to ADOT Specification #3.

DESCRIPTION: A high grade water reducible acrylic type copolymer aluminum topcoat for use on properly prepared exterior steel surfaces exposed to the elements. This coating may be used as a finish coat for ADOT projects when an aluminum color is specified on the plans. This coating is compatible with all GRIGGS HYDRO-ACRYLIC primers.

PROPERTIES:

COLOR	Aluminum
SOLIDS(Weight)	42.5 - 44.5%
THEORETICAL COVERAGE	640 - 720 sq.ft/gal
DRY FILM THICKNESS	1.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:	
SET-TO-TOUCH	5 HOURS MAX
DRY HARD	1 HOURS MAX
VEHICLE TYPE	MODIFIED ACRYLIC

ADVANTAGES:
(1). Excellent Weather Resistance.
(2). Meets ADOT Requirements.
(3). Excellent Coverage.
(4). Excellent Gloss Retention.

USES:
(1). Steel
(2). Machinery
(3). Tanks
(4). Railings
(5). Equipment
(6). Towers

TECHNICAL DATA SHEET
HYDRO-ACRYLIC 300A62
ADOT #3 ALUMINUM TOPCOAT

APPLICATION & REDUCTION:

ADOT #3 Modified Acrylic Aluminum may be applied by brush, roll or spray application. Add 0.5 gallons of potable water to the aluminum paste and mix to a smooth, lump-free consistency. Strain the paint through a double layer of cheesecloth prior to use. THE PAINT MUST BE MIXED FRESH EACH DAY!

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

KEEP FROM FREEZING

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
HYDRO-ACRYLIC 300A62
ADOT #5 ALUMINUM TOPCOAT
PAGE 1 OF 2

PRODUCT: An air-dry, two-part, waterbase, modified acrylic coating conforming to ADOT Specification #5.

DESCRIPTION: A high grade water reducible acrylic type copolymer aluminum topcoat for use on properly prepared exterior steel surfaces exposed to the elements. This coating may be used as a finish coat for ADOT projects when an aluminum color is specified on the plans. This coating is compatible with all GRIGGS HYDRO-ACRYLIC primers.

PROPERTIES:

COLOR..... Aluminum
SOLIDS(Weight)..... 42.5 - 44.5%
THEORETICAL COVERAGE..... 640 - 720 sq.ft/gal
DRY FILM THICKNESS..... 1.5 mils p/coat

DRYING TIME-AT 75 DEGREES F:

SET-TO-TOUCH..... 5 HOURS MAX
DRY HARD..... 1 HOURS MAX
VEHICLE TYPE..... MODIFIED ACRYLIC

ADVANTAGES:

(1). Excellent Weather Resistance.
(2). Meets ADOT Requirements.
(3). Excellent Coverage.
(4). Excellent Gloss Retention.

USES:

(1). Steel
(2). Machinery
(3). Tanks
(4). Railings
(5). Equipment
(6). Towers

TECHNICAL DATA SHEET
HYDRO-ACRYLIC 300A62
ADOT #5 ALUMINUM TOPCOAT
PAGE 2 OF 2

APPLICATION & REDUCTION:

ADOT #5 Modified Acrylic Aluminum may be applied by brush, roll or spray application. Add 0.5 gallons of potable water to the aluminum paste and mix to a smooth, lump-free consistency. Strain the paint through a double layer of cheesecloth prior to use. THE PAINT MUST BE MIXED FRESH EACH DAY!

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer.

STEEL:
Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

KEEP FROM FREEZING

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
WATERBASE FLAT BLACK COATING
PAGE 1 OF 2

PRODUCT: A lusterless, waterbase styrenated acrylic formulated for low-voc content. This coating is primarily used as a finish coat on rubber equipment and tires.

DESCRIPTION: A quick-dry, low-voc, lusterless, waterbase modified acrylic coating. Formulated for excellent exterior durability. Lusterless flat black finish for non-glare applications.

PROPERTIES:

COLOR	Flat Black
SOLIDS(Weight)	50.6%
WEIGHT/GALLON	10.5 Lbs
GRIND	Not Under 5
SPECULAR GLOSS	Not Over 6
VISCOSITY	77 - 87 KU
COVERAGE(at 1 mil)	350 sq.ft./gal

DRYING TIME-AT 75 DEGREES F:

SET-TO-TOUCH	Within 30 Mins.
TACK FREE	Within 60 Mins.
DRY HARD	Within 12 Hours
FULL HARDNESS	Within 72 Hours

ADVANTAGES:
(1). Fast Drying Properties
(2). Lusterless Finish
(3). Water Reducible
(4). Non-Glare Finish
(5). Fast Production Time

TECHNICAL DATA SHEET
WATERBASE FLAT BLACK COATING
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Waterbase Flat Black Coating can be applied by brush, roll or spray application. For spraying, thin up to 15% or as needed with water. For brushing, use as is or with minimum thinning. Minimum application temperature is 50 Degrees F, ambient and surface. Maximum application temperature is 100 Degrees F, ambient and surface. Do not allow product to freeze.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of coating.

PRECAUTIONS:

Keep from freezing.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
AQUACOM WATERBASE SANDING SEALER
300C05
PAGE 1 OF 2

PRODUCT: An air-dry, waterbase, sanding sealer for wood.

DESCRIPTION: An industrial water reducible sanding sealer that dries quickly and forms a hard, sandable film. This water reducible sanding sealer has non-clogging properties for easy sanding.

PROPERTIES:

APPEARANCE	Milky White Emulsion
SOLIDS(Volume)	30.7%
SOLIDS(WEIGHT)	33.1%
pH	8.0
V.O.C. CONTENT	282 g/l

DRYING TIME-AT 75 DEGREES F:

SET-TO-TOUCH	30 MINUTES
DRY HARD	60 MINUTES
DRY THROUGH	2 HOURS

ADVANTAGES:
(1). Water Base
(2). Fast Hardness Development
(3). Mar Resistant
(4). Outstanding Adhesion
(5). Non-Clogging Formulation.

USES:
(1). Furniture
(2). Wood Floors
(3). Railings
(4). Plastics
(5). Bar Tops

TECHNICAL DATA SHEET
AQUACOM WATERBASE SANDING SEALER
300C05
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Aquacom waterbase sanding sealer may be applied by brush, roll or spray application. Use as is or with minimum thinning for spray application.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application.

WOOD:

Surface must be clean and free of all oil, grease and foreign material. Badly worn or rough wood should be sanded smooth and then cleaned with a tack rag.

PRECAUTIONS:

KEEP FROM FREEZING.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
AQUACOM WATERBASE LACQUER
300C80, 300C82, 300C83
PAGE 1 OF 2

PRODUCT: An air-dry, waterbase, acrylic lacquer coating.

DESCRIPTION: A high grade water reducible acrylic lacquer that forms a clear film that is tough and flexible. It has superior UV resistance and outstanding mar and block resistance for use on furniture, wood floors and many types of plastics.

PROPERTIES:

APPEARANCE	Milky White Emulsion
SOLIDS(Volume)	29.5%
SOLIDS(WEIGHT)	32.0%
pH	8.0
V.O.C. CONTENT	287 g/l

DRYING TIME-AT 75 DEGREES F:

SET-TO-TOUCH	45 MINUTES
DRY HARD	125 MINUTES
DRY THROUGH	4 HOURS

ADVANTAGES:
(1). Water Base
(2). Fast Hardness Development
(3). Mar Resistant
(4). Outstanding Adhesion
(5). Available in gloss, semigloss and satin

USES:
(1). Furniture
(2). Wood Floors
(3). Railings
(4). Plastics
(5). Bar Tops

APPLICATION & REDUCTION:

Griggs Aquacom waterbase lacquers may be applied by brush, roll or spray application. Use as is or with minimum thinning for spray application. A pad applicator is recommended for application to floors to prevent air bubbles from forming in the film.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application.

WOOD:

Surface must be clean and free of all oil, grease and foreign material. Badly worn or rough wood should be sanded smooth and then cleaned with a tack rag.

PRECAUTIONS:

KEEP FROM FREEZING.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
ADOT #3 HYDRO-ACRYLIC
PAGE 1 OF 2

PRODUCT: An air-dry, waterbase, modified acrylic coating conforming to ADOT specifications.

DESCRIPTION: A high grade water reducible acrylic type copolymer topcoat intended for use on primed metal but particularly on smooth exterior metal. It is highly weather-resistant and has superior color and gloss retention.

PROPERTIES:

COLORS..... Full Spectrum(All Colors)
SOLIDS(Volume)*..... 60 - 67%
THEORETICAL COVERAGE*..... 300 - 350 sq.ft/gal
DRY FILM THICKNESS..... 1.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
SET-TO-TOUCH..... 2 HOURS MAX
DRY HARD..... 8 HOURS MAX
VEHICLE TYPE..... MODIFIED ACRYLIC
*Values may vary with color.

ADVANTAGES:

(1). Excellent Weather Resistance.
(2). Meets ADOT Requirements.
(3). Excellent Coverage.
(4). Excellent Gloss Retention.

USES:

(1). Steel
(2). Machinery
(3). Tanks
(4). Railings
(5). Equipment
(6). Towers

TECHNICAL DATA SHEET
ADOT #3 HYDRO-ACRYLIC
PAGE 2 OF 2

APPLICATION & REDUCTION:

ADOT #3 Hydro-Acrylic topcoats may be applied by brush, roll or spray application. For spraying, thin up to 15% or as needed with tap water. For brushing, thin up to 10% with tap water.

SURFACE PREPARATION:

Surface must be clean, dry, free of all contamination and properly primed per specifications before application.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

Keep from freezing - contains water.

TECHNICAL DATA SHEET
WATERBASE ACRYLIC ENAMEL
ADOT POLE BROWN
PAGE 1 OF 2

PRODUCT: A quick-dry, waterbase 100% acrylic enamel formulated for low-voc content. This coating is primarily used as a fast dry finish coat on equipment.

DESCRIPTION: A quick-dry, low-voc, waterbase modified acrylic coating. Formulated for excellent exterior durability. Specially formulated with a blend of 100% Acrylic resins.

PROPERTIES:

COLOR..... Pole Brown
SOLIDS(Weight)..... 35%
WEIGHT/GALLON..... 9.1 Lbs
GRIND..... Not Under 5
SPECULAR GLOSS..... 70 - 75
VISCOSITY..... 77 - 87 KU

DRYING TIME-AT 75 DEGREES F:

SET-TO-TOUCH..... Within 15 Mins.
TACK FREE..... Within 30 Mins.
DRY HARD..... Within 60 Mins.
FULL HARDNESS..... Within 72 Hours

ADVANTAGES:

(1). Fast Drying Properties
(2). Superior Exterior Durability
(3). Water Reducible
(4). Gloss Finish
(5). Fast Production Time

USES:

(1). Steel
(2). Machinery
(3). Tanks
(4). Towers
(5). Equipment

TECHNICAL DATA SHEET
WATERBASE ACRYLIC ENAMEL
ADOT POLE BROWN
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Waterbase Acrylic Enamel can be applied by brush, roll or spray application. For spraying, thin up to 15% or as needed with water. For brushing, use as is or with minimum thinning. Minimum application temperature is 50 Degrees F, ambient and surface. Maximum application temperature is 100 Degrees F, ambient and surface. Do not allow product to freeze.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Keep from freezing.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
ELASTOMERIC ACRYLIC
TIRE REFURB PAINT

PRODUCT: A ready mixed, elastomeric acrylic waterbase tire paint for refurbishing and renewing tires.

DESCRIPTION: ***Griggs*** **ELASTOMERIC ACRYLIC TIRE PAINT** is a waterbase coating that is specially formulated for use on tires and other rubber substrates. Tires and surface must be thoroughly steam cleaned and degreased before application for proper and required adhesion.

PROPERTIES:

COLORS..... White, Black and Custom
FINISH..... Low Sheen
SOLIDS(Weight)..... 73- 75%
SOLIDS(Volume)..... 69 - 71%
VISCOSITY..... 95 -110 KU

DRYING TIMES:

TO TOUCH..... 1 hour
DRY HARD..... 3 hours
FULL HARDNESS..... 72 hours

ADVANTAGES:

(1). Waterbase
(2). Acrylic - Elastomeric Blend
(3). Durable
(4). Air Dry

USES:

(1). Tires
(2). Rubber Aprons
(3). Whitewalls
(4). Rubber Substrates

APPLICATION: Apply by brush, roller or spray methods. Thin with clean Tap Water for operator preference and ease of application.

TECHNICAL DATA SHEET
WATERBASE ALUMINUM COATING
301A10 ALUMINUM
PAGE 1 OF 2

PRODUCT: A waterbase, rust-resistant primer/topcoat coating. Griggs Waterbase Aluminum Coating is a two-component, modified acrylic coating formulated for superior exterior durability and rust prevention.

DESCRIPTION: A highly rust-resistant, waterbase aluminum coating for ferrous and non-ferrous steel. It is formulated for quick dry and early water resistance. May be applied over firm old alkyd or oilbase coatings as a barrier coat. This coating is extremely versatile due to its rich formulation.

PROPERTIES:
COLOR..... Aluminum
SOLIDS(Weight)..... 35%
THEORETICAL COVERAGE..... 650 mil sq.ft/gal
DRY FILM THICKNESS..... 2.0 to 2.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
TO HANDLE..... 30 Minutes
TO RECOAT..... 2 Hours
VEHICLE TYPE..... Modified Acrylic
WEIGHT/GAL..... 9.7 lbs/gal
TEMPERATURE RESISTANCE..... Up to 300 degrees F

ADVANTAGES:
(1). Water Reducible
(2). Low Volatile Organic Content
(3). Can be used as a primer and topcoat
(4). Extremely Abrasion Resistant
(5). Excellent Exterior Durability
(6). Excellent Adhesion
(7). Extremely Abrasion Resistant

USES:
(1). Steel
(2). Machinery
(3). Tanks
(4). Galvanized Metal

TECHNICAL DATA SHEET
WATERBASE ALUMINUM COATING
301A10 ALUMINUM
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Waterbase Aluminum Coating can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with water. For spraying, thin up to 15% or as needed with water. Minimum application temperature is 50 Degrees F, ambient and surface. Maximum application temperature is 100 Degrees F, ambient and surface. Do not allow product to freeze.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer.

METAL SURFACES:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day. New galvanized metal should be acid etched for maximum cleaning and removal of processing contaminants.

PRECAUTIONS:

Keep from freezing.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
WATERBASE FLAT BLACK COATING
PAGE 1 OF 2

PRODUCT: A quick-dry, lusterless, waterbase enamel formulated for low-voc content. This coating is primarily used as a fast dry finish coat on equipment.

DESCRIPTION: A quick-dry, low-voc, lusterless, waterbase modified acrylic coating. Formulated for excellent exterior durability. Lusterless flat black finish for non-glare applications.

PROPERTIES:

COLOR	Flat Black
SOLIDS(Weight)	39%
WEIGHT/GALLON	10 Lbs
GRIND	Not Under 5
SPECULAR GLOSS	Not Over 6
VISCOSITY	77 - 87 KU

DRYING TIME-AT 75 DEGREES F:

SET-TO-TOUCH	Within 15 Mins.
TACK FREE	Within 30 Mins.
DRY HARD	Within 60 Mins.
FULL HARDNESS	Within 72 Hours

ADVANTAGES:
(1). Fast Drying Properties
(2). Lusterless Finish
(3). Water Reducible
(4). Non-Glare Finish
(5). Fast Production Time

USES:
(1). Steel
(2). Machinery
(3). Tanks
(4). Solar Energy
(5). Equipment
(6). Towers

TECHNICAL DATA SHEET
WATERBASE FLAT BLACK COATING
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Waterbase Flat Black Coating can be applied by brush, roll or spray application. For spraying, thin up to 15% or as needed with water. For brushing, use as is or with minimum thinning. Minimum application temperature is 50 Degrees F, ambient and surface. Maximum application temperature is 100 Degrees F, ambient and surface. Do not allow product to freeze.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Keep from freezing.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
ACRYLIC URETHANE ENAMEL
310 Series

PRODUCT: An air-dry, waterbase, urethane acrylic coating for industrial applications.

DESCRIPTION: A high grade water reducible acrylic type copolymer gloss and medium gloss enamels intended for use on primed metal, concrete and other substrates. It is highly weather resistant and has superior color and gloss retention.

PROPERTIES:

COLORS	Full Spectrum(All Colors).
SOLIDS(Volume)*	67%
THEORETICAL COVERAGE*	350 sq.ft/gal
DRY FILM THICKNESS	1.5 mils p/coat

DRYING TIME-AT 75 DEGREES F:

SET-TO-TOUCH	1 HOUR MAX
DRY HARD	8 HOURS MAX
VEHICLE TYPE	URETHANE/ACRYLIC

*Values may vary with color.

ADVANTAGES:
(1). Excellent Weather Resistance.
(2). Quick-Dry
(3). Excellent Coverage.
(4). Excellent Gloss Retention.

USES:
(1). Steel
(2). Concrete
(3). Tanks
(4). Railings
(5). Equipment
(6). Towers
(7). Machinery
(8). Floors

TECHNICAL DATA SHEET
URETHANE ACRYLIC ENAMEL
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Urethane Acrylic enamels may be applied by airless or conventional spray application. For conventional spraying, thin up to 15% or as needed with tap water. Use as is or with minimum thinning for airless application. May be brushed for small areas only.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer. Concrete should be etched for maximum penetration into pores.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
WATERBASE POLYURETHANE ENAMEL
310 SERIES
PAGE 1 OF 2

PRODUCT: An air-dry, waterbase, polyurethane coating for industrial applications.

DESCRIPTION: A high grade, water reducible, polyurethane copolymer gloss and medium gloss enamels intended for use on primed metal, concrete and other substrates. It is highly weather resistant and has superior color and gloss retention.

PROPERTIES:
COLORS..... Full Spectrum(All Colors)
SOLIDS(Volume)*..... 67%
THEORETICAL COVERAGE*..... 350 sq.ft/gal
DRY FILM THICKNESS..... 1.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
SET-TO-TOUCH..... 1 HOUR MAX
DRY HARD..... 8 HOURS MAX
VEHICLE TYPE..... URETHANE/COPOLYMER
*Values may vary with color.

ADVANTAGES:
(1). Excellent Weather Resistance.
(2). Quick-Dry
(3). Excellent Coverage.
(4). Excellent Gloss Retention.

USES:
(1). Steel
(2). Concrete
(3). Tanks
(4). Railings
(5). Equipment
(6). Towers
(7). Machinery
(8). Floors

APPLICATION & REDUCTION:

Griggs Polyurethane Waterborne enamels may be applied by airless or conventional spray application. For conventional spraying, thin up to 10% or as needed with tap water. Use as is or with minimum thinning for airless application. May be brushed for small areas only.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer. Concrete should be etched for maximum penetration into pores.

STEEL:
Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

Keep from Freezing!

TECHNICAL DATA SHEET
MAINCOTE ACRYLIC ENAMEL
PAGE 1 OF 2

PRODUCT: An air-dry, waterbase, modified acrylic coating for industrial applications.

DESCRIPTION: A high grade water reducible acrylic type copolymer gloss and medium gloss enamels intended for use on primed metal but particularly on smooth exterior metal. It is highly weather-resistant and has superior color and gloss retention.

PROPERTIES:

COLORS..... Full Spectrum(All Colors).
SOLIDS(Volume)*..... 60 - 67%
THEORETICAL COVERAGE*..... 640 - 720 sq.ft/gal
DRY FILM THICKNESS..... 1.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
SET-TO-TOUCH..... 1 HOUR MAX
DRY HARD..... 8 HOURS MAX
VEHICLE TYPE..... MODIFIED ACRYLIC
*Values may vary with color.

ADVANTAGES:

(1). Excellent Weather Resistance.
(2). Quick-Dry
(3). Excellent Coverage.
(4). Excellent Gloss Retention.

USES:

(1). Steel
(2). Machinery
(3). Tanks
(4). Railings
(5). Equipment
(6). Towers

TECHNICAL DATA SHEET
MAINCOTE ACRYLIC ENAMEL
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Maincote Acrylic enamels may be applied by airless or conventional spray application. For conventional spraying, thin up to 15% or as needed with tap water. Use as is or with minimum thinning for airless application. May be brushed for small areas only.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
ACRYLIC URETHANE ENAMEL
DC7337 SERIES WATERBORNE

PRODUCT: An air-dry, industrial grade, waterbase, urethane acrylic coating for heavy duty applications.

DESCRIPTION: A high grade water reducible acrylic urethane type copolymer gloss, semigloss and flat finish intended for use on primed metal, concrete, wood and other substrates. It is highly weather resistant and has superior color and gloss retention.

PROPERTIES:
COLORS..... Clear & Full Spectrum(All Colors).
SOLIDS(Volume)*..... 28 - 30%
THEORETICAL COVERAGE*..... 300 - 325 sq.ft/gal
DRY FILM THICKNESS..... 1.5 mils p/coat
DRYING TIME-AT 77 DEGREES F:
SET-TO-TOUCH..... 1 HOUR**
DRY HARD..... 8 HOURS**
FULL CURE..... 72 HOURS**
VEHICLE TYPE..... URETHANE/ACRYLIC
*Values may vary with color.
**Drying times @ 77 Degrees Fahrenheit

ADVANTAGES:
(1). Excellent Weather Resistance.
(2). Quick-Dry
(3). Excellent Coverage.
(4). Excellent Gloss Retention.
(5). Chemical & Water Resistant

USES:
(1). Steel
(2). Concrete
(3). Tanks
(4). Wood
(5). Equipment
(6). Pool Decks
(7). Vinyl/Canvas
(8). Floors

TECHNICAL DATA SHEET
ACRYLIC URETHANE ENAMEL
DC7337 SERIES WATERBORNE

APPLICATION & REDUCTION:

Griggs DC7337 Series Urethane Acrylic coatings may be applied by airless or conventional spray or roller application. For conventional spraying, thin up to 5% with tap water. Use as is or with minimum thinning for airless application.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application. Wood must be sanded and properly cleaned. Concrete should be etched for maximum penetration into pores. Allow 72 hours drying time for full service, at 77 Degrees Fahrenheit. Lower temperatures will increase drying and full cure times.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

KEEP FROM FREEZING!

TECHNICAL DATA SHEET
HI-HEAT EMISSIVE COATING

PRODUCT: A ready mixed, high heat emissive coating formulated with silicone resin.

DESCRIPTION: *Griggs High Heat Emissive Coating* is a silicone coating designed to withstand temperatures of up to 1000 Degrees Fahrenheit. There must be metal to coating contact between the substrate and the coating. *Do not use a primer.* This coating may be brushed, rolled or sprayed.

PROPERTIES:

COLOR..... Flat Black
FINISH..... Low Sheen
SOLIDS(Weight)..... 62- 66%
SOLIDS(Volume)..... 46 - 50%
VISCOSITY..... 60 - 70 KU

DRYING TIMES:

TO TOUCH..... 1 hour
DRY HARD..... 3 hours
FULL HARDNESS..... 400 F @ 1 hour

ADVANTAGES:

(1). High Heat Resistance.
(2). Silicone Alkyd.
(3). Durable.
(4). Air Dry.

USES:

(1). Aerospace Applications.
(2). Boilers.
(3). Heat Exchangers.
(4). Engines.
(5). Exhausts.

APPLICATION: Apply by brush, roller or spray methods. For brush and roll, thin with Xylene Reducer at 10-15% by volume. For spray application, thin with Toluol at 10-15% by volume.

TECHNICAL DATA SHEET
HI-HEAT COATING 444278
#17038 GLOSS BLACK

PRODUCT: A ready mixed, high heat coating formulated with silicone resin.

DESCRIPTION: *Griggs High Heat Coating* is a silicone coating designed to withstand temperatures of up to 1000 degrees Fahrenheit. There must be metal to coating contact between the substrate and the coating. *Do not use a primer.* This coating may be brushed, rolled or sprayed.

PROPERTIES:

COLORS..... White, Black & Aluminum
FINISH..... Gloss
SOLIDS(Weight)..... 62- 66%
SOLIDS(Volume)..... 46 - 50%
VISCOSITY..... 60 - 70 KU

DRYING TIMES:

TO TOUCH..... 1 hour
DRY HARD..... 3 hours
FULL HARDNESS..... 400 F @ 1 hour

ADVANTAGES:

(1). High Heat Resistance.
(2). Silicone Alkyd.
(3). Durable.
(4). Air Dry.

USES:

(1). Aerospace Applications.
(2). Boilers.
(3). Heat Exchangers.
(4). Engines.
(5). Exhausts.

APPLICATION: Apply by brush, roller or spray methods. For brush and roll, thin with Xylene Reducer at 10-15% by volume. For spray application, thin with Toluene at 10-15% by volume.

TECHNICAL DATA SHEET
TOLUIDINE RED TINT #0725

PRODUCT: A high strength, high-solids tinting paste.

DESCRIPTION: **TOLUIDINE RED TINT #0725** is a high strength, hi-solids industrial tinting paste for non-aqueous coatings such as lacquers, alkyds, epoxies, acrylics and polyurethanes.

PROPERTIES:

COLOR	Toluidine Red
SHELF LIFE	1 Year from Date/Mfg
WT/GAL	8.7 - 8.9 Lbs
SOLIDS(Weight)	50 - 52%
PIGMENT SOLIDS	30 - 33%

ADVANTAGES:
(1). High Tint Strength
(2). Tints a Variety of Coatings
(3). High Solids
(4). Industrial Grade

USES:
(1). Acrylics
(2). Epoxies
(3). Alkyds
(4). Polyurethanes
(5). Lacquers

APPLICATION: Use as needed to tint and shade a variety of coatings. Thin with Xylene if reduction is required and for clean up.

TECHNICAL DATA SHEET
ACRYLIC ENAMEL
PAGE 1 OF 2

PRODUCT: A durable, weather resistant acrylic enamel formulated to give excellent exterior durability.

DESCRIPTION: A specially formulated acrylic enamel made from high quality resins and raw materials. Griggs Acrylic Enamel provides a durable finish that is rust-inhibitive and weather resistant.

PROPERTIES:

COLORS..... Full Range
FINISH..... Full Range
SOLIDS(Weight)..... 55-65%
SOLIDS(Volume)..... 40-50%
VISCOSITY..... 65-80 KU
SOLVENT..... Aliphatic Hydrocarbons
THEORETICAL COVERAGE..... 350-400 sq.ft./gal

DRYING TIME:

TO TOUCH..... 1-3 Hours
TO RECOAT..... 12 Hours
VEHICLE TYPE..... Acrylic Modified
PIGMENT TYPE..... Fade Resistant

RESISTANCE TO:

CHEMICALS..... Good
HEAT..... 250 F
WEATHER..... Excellent
ULTRA VIOLET LIGHT..... Excellent

ADVANTAGES:

(1). Weather Resistant
(2). Excellent Exterior Durability
(3). Rust Inhibitive
(4). Durable and Tough
(5). Excellent Color and Gloss Retention
(6). Excellent Hide and Coverage

TECHNICAL DATA SHEET
ACRYLIC ENAMEL
PAGE 2 OF 2

APPLICATION: Griggs Acrylic Enamel can be brushed, rolled or sprayed. Spraying is the recommended form of application. Use at full body consistency for brush and roll. Reduce up to 15% with MIL-T-81772B TY.3 for spraying. May be mixed with an Acrylic Urethane Catalyst for increased performance. Mix 1 pint of catalyst to 1 gallon of acrylic(8:1).

SURFACE PREPARATION: Surface must be clean, dry and free of oil, grease or loose paint. Greasy or oily surfaces should be solvent cleaned until all oily residue is removed. Do not paint over wet or moist surfaces. Old paint in peeling condition must be removed. Remove by sandblasting or wire brushing. Chalky paint should also be wire brushed for maximum adhesion. Old paint that is firm, clean and free of chalk or grease, may be painted over without further preparation. Prime ferrous metals with TT-P-636 Primer or equal quality type primer. Non-Ferrous metals must be primed with DOD-P-15328 Metal Pretreatment Wash Primer prior to application of TT-P-636 for increased adhesion.

PRECAUTIONS: USE ONLY WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH EYES AND SKIN.

DO NOT TAKE INTERNALLY.

KEEP OUT OF THE REACH OF CHILDREN.

AVOID BREATHING VAPOR AND MIST.

CONTENTS ARE FLAMMABLE!

TECHNICAL DATA SHEET
FLAT ALKYD ENAMEL
500 SERIES
PAGE 1 OF 2

PRODUCT: A high quality flat alkyd enamel for use on all wood, metal or masonry surfaces. This product is extremely durable with excellent flow and leveling characteristics.

DESCRIPTION: A specially formulated lusterless industrial alkyd enamel for wood, metal and masonry surfaces. Griggs Flat Alkyd Enamels are durable, washable, easy to apply and have excellent hide and scrub properties.

PROPERTIES:

COLORS..... Full Spectrum(All Colors)
SOLIDS(Weight)..... 67 - 75%
SOLIDS(Volume)..... 48 - 55%
THEORETICAL COVERAGE..... 700 sq.ft/gal*
DRYING TIME-AT 75 DEGREES F:
TO HANDLE..... 1 To 4 Hours
TO RECOAT..... 8 To 10 Hours
VEHICLE TYPE..... Modified Alkyd
WEIGHT/GAL..... 9.8 - 11.6 lbs/gal
* Coverage @ 1 Mil Dry Film.

ADVANTAGES:

(1). Meets TT-E-527C Specifications.
(2). Excellent Hide.
(3). Extremely Durable.
(4). Excellent Flow and Leveling.
(5). Rust & Corrosion Resistant.
(6). Extremely Washable.

USES:

(1). Wood.
(2). Metal.
(3). Cabinets.
(4). Masonry.
(5). Furniture.
(6). Machinery.

TECHNICAL DATA SHEET
FLAT ALKYD ENAMEL
500 SERIES

APPLICATION & REDUCTION:

Griggs Flat Alkyd Enamels are formulated for brush, roll or spray application. For spraying, thin up to 15% or as needed with Synthetic Reducer. For brushing, us at packaged consistency or thin as needed with Mineral Spirits.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application. Prime as recommended.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
500 SERIES
INDUSTRIAL DIPPING ENAMEL
PAGE 1 OF 2

PRODUCT: A lead-free, alkyd dipping enamel for ferrous metals. These modified alkyd coatings are formulated for maximum rust prevention and rapid dry.

DESCRIPTION: A quick-dry, low VOC, industrial dipping enamel for metal. Griggs QD dipping enamels are formulated for even flow, drying to a smooth and firm film. These enamels offer excellent production turn around time due to their fast dry properties.

PROPERTIES:
COLORS..... Full Spectrum(All Colors).
SOLIDS(Volume)*..... 46 - 55%
THEORETICAL COVERAGE*..... 350 - 400 sq.ft/gal
DRY FILM THICKNESS..... 2.0 to 2.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
TO HANDLE..... 15 To 30 Minutes
RECOAT TIME..... 60 To 120 Minutes
VEHICLE TYPE..... Modified Alkyd
WEIGHT/GAL*..... 9.9 - 11.2 lbs/gal
TEMPERATURE RESISTANCE..... Up to 300 degrees F
*Values will vary with color.

ADVANTAGES:
(1). Meets Steel Structures Painting Council (S.S.P.C.) requirements.
(2). Abrasion Resistant
(3). Excellent Corrosion Resistance
(4). Passes: 1/8 in. mandrel
(5). Excellent Flow & Dry

USES:
(1). Steel
(2). Machinery
(3). Tanks
(4). Railings
(5). Equipment
(6). Towers
(7). Tools

APPLICATION & REDUCTION:

Griggs Quick-Dry Enamels are formulated for dipping application and use directly from the container. If reducing is necessary, thin with Xylol or Toluol for best results.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
HI - HEAT COATING
TT-P-28G

PRODUCT: A ready mixed, high heat coating formulated with silicone resin to meet TT-P-28G. Supersedes MIL-P-14276

DESCRIPTION: *Griggs High Heat Coating, TT-P-28G* is a silicone coating designed to withstand temperatures of up to 1200 degrees Fahrenheit. There must be metal to coating contact between the substrate and the coating. *Do not use a primer.* This coating may be brushed, rolled or sprayed.

PROPERTIES:

COLOR..... Bright Aluminum
FINISH..... Low Sheen
SOLIDS(Weight)..... 62- 66%
SOLIDS(Volume)..... 46 - 50%
VISCOSITY..... 60 - 70 KU

DRYING TIMES:

TO TOUCH..... 1 hour
DRY HARD..... 3 hours
FULL HARDNESS..... 400 F @ 1 hour

ADVANTAGES:

(1). High Heat Resistance.
(2). Silicone Alkyd.
(3). Durable.
(4). Air Dry.

USES:

(1). Aerospace Applications.
(2). Boilers.
(3). Heat Exchangers.
(4). Engines.
(5). Exhausts.

APPLICATION: Apply by brush, roller or spray methods. For brush and roll, thin with Xylene Reducer at 10-15% by volume. For spray application, thin with Toluene at 10-15% by volume.

TECHNICAL DATA SHEET
ADOT #5 ALUMINUM
PAGE 1 OF 2

PRODUCT: An air-dry, phenolic-alkyd coating conforming to ADOT specifications.

DESCRIPTION: A high grade phenolic-alkyd type copolymer aluminum coating intended for use on primed metal but particularly on smooth exterior metal. It is highly weather- resistant and has superior color and gloss retention. Formulated with high grade aluminum paste for excellent exterior durability.

PROPERTIES:

COLOR..... Aluminum
SOLIDS(Volume)..... 45 - 50%
THEORETICAL COVERAGE..... 700 mil-sq ft/gal
DRY FILM THICKNESS..... 1.5 mils p/coat

DRYING TIME-AT 75 DEGREES F:

SET-TO-TOUCH..... 2 HOURS MAX
DRY HARD..... 8 HOURS MAX
VEHICLE TYPE..... PHENOLIC ALKYD

ADVANTAGES:

(1). Excellent Weather Resistance
(2). Meets ADOT Requirements
(3). Excellent Coverage
(4). Excellent Gloss Retention
(5). Exterior Grade Coating

USES:

(1). Steel
(2). Machinery
(3). Tanks
(4). Railings
(5). Equipment
(6). Towers

TECHNICAL DATA SHEET
ADOT #5 ALUMINUM
PAGE 2 OF 2

APPLICATION & REDUCTION:

ADOT #5 Aluminum coating may be applied by brush, roll or spray application. For spraying, thin up to 15% or as needed with Xylol. For brushing, thin up to 10% with Synthetic Reducer. Packaged as a two part system, with the aluminum paste in a separate container. Mix paste with vehicle using 2 pounds of paste to 1 gallon of vehicle. Pre-packaged at this ratio for operator convenience.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are Flammable.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
DC6571-805 HIGH HEAT
ALUMINUM COATING
PAGE 1 OF 2

PRODUCT: A ready mixed, high heat aluminum coating formulated with silicone resin and extra fine lining aluminum flakes.

DESCRIPTION: Griggs DC6571-805 High Heat Aluminum Coating is a silicone coating designed to withstand temperatures of up to 1500 degrees F without failure. The pigment used meets Federal Specification TT-P-320, type I or II, class A. There must be metal to metal contact between the substrate and the aluminum pigment for proper adhesion. This coating may be brushed, rolled or sprayed.

PROPERTIES:

COLOR..... Aluminum
FINISH..... Low Sheen
SOLIDS(Vehicle)..... 13 - 15%
SOLIDS(Volume)..... 26 - 28%
VISCOSITY..... 54 - 67 KU

DRYING TIMES:

TO TOUCH..... 1 hour
DRY HARD..... 3 hours
FULL HARDNESS..... 400 F @ 1 hour

ADVANTAGES:

(1). High Heat Resistance.
(2). Bright Aluminum.
(3). Durable.
(4). Meets TT-P-28E.

USES:

(1). Aerospace Applications.
(2). Boilers.
(3). Heat Exchangers.
(4). Engines.
(5). Exhausts.

TECHNICAL DATA SHEET
DC6571-805 HIGH HEAT
ALUMINUM COATING
PAGE 2 OF 2

APPLICATION: Apply by brush, roller or spray methods. For brush and roll, thin with Xylene Reducer at 10-15% by volume. For spray application, thin with Toluene at 10-15% by volume.

PRODUCT: A ready-mixed, high heat aluminum coating.

SURFACE PREPARATION: All surfaces must be cool, dry free of rust, dirt, scale old paint and any contaminants. There must be metal to metal contact between the substrate and the aluminum pigment in this coating for proper adhesion. A poor preparation of the substrate will result in a poor job.

PRECAUTIONS: Use with adequate ventilation.

Avoid contact with skin and eyes.

Do not take internally.

KEEP OUT OF THE REACH OF CHILDREN.

Vapor Harmful.

Wash hands after using.

TECHNICAL DATA SHEET
HI - HEAT COATING
500A89

PRODUCT: A ready mixed, high heat coating formulated with silicone resin to meet TPD-1000A. Will withstand solvents and normal weather exposure.

DESCRIPTION: *Griggs High Heat Coating* is a silicone coating designed to withstand temperatures of up to 1000 degrees Fahrenheit. There must be metal to coating contact between the substrate and the coating. *Do not use a primer.* This coating may be brushed, rolled or sprayed.

PROPERTIES:

COLOR..... ALUMINUM
FINISH..... Low Sheen
SOLIDS(Weight)..... 63- 65%
SOLIDS(Volume)..... 59 - 62%
VOLATILE ORGANIC COMPOUNDS..... Max 420 G/L

DRYING TIMES:

TO TOUCH..... 1 hour
DRY HARD..... 3 hours
FULL HARDNESS..... 400 F @ 1 hour

ADVANTAGES:

(1). High Heat Resistance - 1000 Deg F
(2). Silicone Alkyd.
(3). Durable.
(4). Air Dry.

USES:

(1). Aerospace Applications.
(2). Boilers.
(3). Heat Exchangers.
(4). Engines.
(5). Exhausts.

APPLICATION: Apply by brush, roller or spray methods. For brush and roll, thin with Xylene Reducer at 10-15% by volume. For spray application, thin with Toluene at 10-15% by volume.

TECHNICAL DATA SHEET
HI - HEAT COATING
500A96

PRODUCT: A ready mixed, high heat coating formulated with silicone resin to meet TPD-1000A Type II. Will withstand solvents and normal weather exposure.

DESCRIPTION: *GRIGGS TPD-1000A HI-HEAT COATING* is a silicone coating designed to withstand temperatures of up to 1000 degrees Fahrenheit. There must be metal to coating contact between the substrate and the coating. *Do not use a primer.* This coating may be brushed, rolled or sprayed.

PROPERTIES:

COLOR..... ALUMINUM
FINISH..... Low Sheen
SOLIDS(Weight)..... 63- 65%
SOLIDS(Volume)..... 59 - 62%
THEORETICAL COVERAGE..... 700 sq.ft/gallon

DRYING TIMES:

TO TOUCH..... 1 hour
DRY HARD..... 3 hours
FULL HARDNESS..... 400 F @ 1 hour

ADVANTAGES:

(1). High Heat Resistance - 1000 Deg F
(2). Silicone Alkyd.
(3). Durable.
(4). Air Dry.
(5). Low VOC.

USES:

(1). Aerospace Applications.
(2). Boilers.
(3). Heat Exchangers.
(4). Engines.
(5). Exhausts.

APPLICATION: Apply by brush, roller or spray methods. For brush and roll, thin with Xylene Reducer at 10-15% by volume. For spray application, thin with Toluene at 10-15% by volume.

TECHNICAL DATA SHEET
GRAPHITE VARNISH G8450
500C83 EMS52438 K0548
TYPE NPC61270-1

PRODUCT DESCRIPTION:

A thermosetting graphite varnish specially formulated to cure to a durable, abrasion resistant film which will impart lubricity to the substrate.

TYPICAL PROPERTIES:

(1). COLOR(AFTER BAKING)..... Blue-Black
(2). **DRYING TIME:**
To Cure..... 30-35 Mins @ 325 Deg F
(3). WEIGHT/GAL..... 7.5 - 7.7 Lbs/Gal
(4). VOC..... 5.7 Lbs/Gal(680 G/L)
(5). SHELF LIFE..... Up to 1 Year From Date/Mfg

APPLICATION AND REDUCTION:

Griggs G8450 Graphite Varnish is normally sprayed by airless or conventional application. Reduce as desired for proper atomization for spraying. This coating may also be dipped, brushed or swabbed, reduce as necessary for proper flow and leveling. Coating is normally ready for use at packaged viscosity. Thin as needed depending on application technique, not to exceed 5% by volume. The surface to be coated must be dry, clean and free of any oil, rust or foreign contaminants. Allow film to air dry for one hour before baking at 325 Degrees Fahrenheit for 30 35 minutes. The size and shape of the parts to be coated may require deviation from this schedule. Reduce and clean up with AMS-3170 or MIL T-81772B Type III Thinner.

TECHNICAL DATA SHEET
HAPS FREE ACRYLIC
CLEAR GLOSS COATING

PRODUCT DESCRIPTION:

A clear gloss acrylic coating that is low VOC and "HAPS" free. It provides a clear protective film that can be used on many surfaces. Available in bulk form and aerosol cans. Meets MIL-L-81352B Type I.

TYPICAL PROPERTIES:

(1). COLOR..... Clear
(2). **DRYING TIME:**
To Touch..... 30 - 40 Minutes
(3). Dry Hard..... Within 6 Hours
To Recoat..... Within 8 Hours
(4). VEHICLE TYPE..... Acrylic Resin
(5). Solids(Weight)..... 50 - 52%
(6). VOC Content..... 179 G/L
(7). **RESISTANCE TO:**
Solvents..... Good
Water..... Excellent
Oils/Greases..... Excellent
Alkali..... Good

APPLICATION AND REDUCTION:

Griggs HAPS Free Acrylic Clear Gloss Coating can be applied by brush, roll or spray application(airless or conventional). Thin as needed with Griggs HAPS Free Reducer for proper spray atomization for spray or for good flow for brushing and rolling. Also available in aerosol cans.

STORAGE / PRECAUTIONS

Store Indoors at room temperature.
Keep away from heat, sparks and open flame. Read MSDS before use.
Keep out of the reach of children.

TECHNICAL DATA SHEET
QD BAKING ENAMEL
PAGE 1 OF 3

PRODUCT: A lead-free , high-solids alkyd baking enamel for ferrous metal. Quick dry baking enamels are one component, modified alkyd coatings formulated for maximum hardness and rapid dry. May also be air dried for non-bake applications.

DESCRIPTION: A quick-dry, low-voc baking enamel for metal. Griggs QD Baking Enamels are formulated to have an extremely hard finish. These enamels offer excellent production turn around time due to their fast dry properties. Very versatile drying, may be baked or air-dried similar to TT-E-489 Class C enamels.

PROPERTIES:
COLORS..... Full Spectrum(All Colors).
SOLIDS(Volume)*..... 45 - 55%
THEORETICAL COVERAGE*..... 350 - 400 sq.ft/gal
DRY FILM THICKNESS..... 2.0 to 3.5 mils p/coat
DRYING TIME-AT 75 DEGREES F: AIR DRY
TO HANDLE..... 15 To 30 Minutes
RECOAT TIME..... 60 To 120 Minutes
BAKING SCHEDULE:..... 30 Minutes @ 200 ºF
VEHICLE TYPE..... Modified Alkyd
WEIGHT/GAL*..... 9.9 - 11.2 lbs/gal
TEMPERATURE RESISTANCE..... Up to 300 degrees F
*Values may vary with color.

ADVANTAGES:
(1). Meets Steel Structures Painting Council (S.S.P.C.) requirements.
(2). ASTM B117 Salt Fog Test: 500+ Hours.
(3). ASTM D 522-60 Conical Mandrel Passes: 1/8 in. mandrel
(4). Excellent Corrosion Resistance
(5). Excellent Foundation
(6). Extremely Abrasion Resistant

TECHNICAL DATA SHEET
QD BAKING ENAMEL
PAGE 2 OF 3

USES: (1). Steel
(2). Machinery
(3). Tanks
(4). Railings
(5). Equipment
(6). Towers

APPLICATION & REDUCTION:

Griggs Quick-Dry Baking Enamels are formulated for airless or conventional spray application.
For spraying, thin up to 15% or as needed with Synthetic Reducer. For brushing, reduce up to 15% with Mineral Spirits or Synthetic Reducer. Brush small areas only. May be air dried or baked. For baking application, let painted object air dry for 30 - 45 minutes before placing in oven. This allows solvents to "flash-off" and help prevent wrinkling. Bake for 30 - 45 minutes @ 200-225 degrees F.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE!

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
500N21: SILICONE ALKYD ENAMEL
TEMPE BRONZE
PAGE 1 OF 2

PRODUCT: An air-dry, silicone alkyd coating containing 30% silicone resin.

DESCRIPTION: A high grade silicone alkyd type copolymer gloss and medium gloss enamels intended for use on primed metal but particularly on smooth exterior metal. It is highly weather-resistant and has superior color and gloss retention. Its inherent high heat resistance is well suited for Arizona's desert climate. Resists temperatures up to 600 degrees Fahrenheit.

PROPERTIES:

COLOR..... Tempe Bronze
SOLIDS(Volume)..... 42 +/- 2%
THEORETICAL COVERAGE @ 1 mil..... 677 sq.ft/gal
DRY FILM THICKNESS..... 1.5 - 2 mils p/coat
SPREADING RATE @ 5 mil WET..... 337 sq.ft/gal

DRYING TIME-AT 75 DEGREES F:

SET-TO-TOUCH..... 2 HOURS MAX
DRY HARD..... 8 HOURS MAX
VEHICLE TYPE..... SILICONE ALKYD
*Values may vary with color.

ADVANTAGES:

(1). Excellent Weather Resistance.
(2). Meets ADOT Requirements.
(3). Excellent Coverage.
(4). Excellent Gloss Retention.
(5). High Heat Resistance

USES:

(1). Steel
(2). Machinery
(3). Tanks
(4). Railings
(5). Equipment
(6). Towers

TECHNICAL DATA SHEET
500N21: SILICONE ALKYD ENAMEL
TEMPE BRONZE
PAGE 2 OF 2

APPLICATION & REDUCTION:

ADOT #3 Silicone Alkyd enamels may be applied by brush, roll or spray application.
For spraying, thin up to 5% or as needed with Mineral Spirits.
For brushing, no reduction needed.

SURFACE PREPARATION & SPECIFICATIONS

STEEL:
Surface preparation: SSPC-SP6 commercial blast is recommended for best results. Minimum surface preparation is hand tool cleaning (SSPC-SP2) or power tool cleaning (SSPC-SP3). Always prime the same day as cleaned.

SYSTEM: Total dry film thickness: 6-8 mils. 1 coat ADOT #1 Primer White 1 coat ADOT #2 Intermediate Coat Bronze 1 coat 500N21 Silicone Alkyd En. Tempe Bronze Each applied at 1.5-2 mils Dry Film Thickness 500N21 may be substituted for ADOT #2 if desired.

TECHNICAL DATA SHEET
TAR GUARD ADDITIVE

PRODUCT: A waterbase rubber additive for coal tar emulsions.

DESCRIPTION: A specially formulated waterbase rubber additive for coal tar emulsions. This product will enhance the adhesion, flexibility and service life of the emulsion. It also increases the film's resistance to oils and gasoline.

PROPERTIES:

COLOR	Lt.Blue(Dries Clear)
SOLIDS(Weight)	39 - 41%
WEIGHT/GAL	8.9 - 9.1 lbs

ADVANTAGES:

(1). Increases Flexibility.
(2). Enhances Weatherability.
(3). Enhances Oil Resistance.
(4). Enhances Gasoline Resistance.
(5). UV Resistant
(6). Increases Abrasion Resistance
(7). Prolongs Service Life.

INSTRUCTIONS FOR USE:

Griggs Tar Guard Additive is formulated to enhance the properties of coal tar emulsions. Add 3-5 gallons of Tar Guard to 100 gallons of emulsion(3-5%) for best results.

PRECAUTIONS:

Keep from Freezing.

Do not use below 55 Degrees F.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

TECHNICAL DATA SHEET
B-60 ACRYLIC SOLVENT BASE COATING

PRODUCT: A solvent based acrylic sealer coating for plastic and PVC.

SURFACE PREPARATION: All surfaces must be dry and free of dirt, scale old paint or any contaminants. A light sanding and roughening of the surface is recommended for increased adhesion properties.

PRECAUTIONS: Use with adequate ventilation.

Avoid contact with skin and eyes.

Do not take internally.

KEEP OUT OF THE REACH OF CHILDREN.

Vapor Harmful.

Wash hands after using.

TECHNICAL DATA SHEET
SEMI GLOSS ENAMEL
500W05

PRODUCT: A semi-gloss, alkyd enamel formulated for exterior metal and wood surfaces. This coating is primarily used on primed metal and wood substrates.

PROPERTIES:

COLORS	Full Range
GRIND	Not Under 6
SPECULAR GLOSS	40 - 55 @60 Deg
VISCOSITY	80 - 90 KU

DRYING TIME-AT 75 DEGREES F:

SET-TO-TOUCH	Within 2 Hours
DRY HARD	Within 8 Hours
FULL HARDNESS	Within 72 Hours

ADVANTAGES:
(1). Exterior Use
(2). Semi-Gloss Finish
(3). Durable Alkyd Formulation
(4). Full Color Range
(5). Fast Production Time

USES:
(1). Steel
(2). Machinery
(3). Tanks
(4). Wood
(5). Equipment
(6). Towers

APPLICATION & REDUCTION:

Griggs Semigloss Alkyd Enamels can be applied by conventional or airless spray application. For spraying, thin up to 10% or as needed with Xylene. For brushing, use as is or with minimum thinning.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
SILICONE ALKYD ENAMEL HI-HEAT
PAGE 1 OF 2

PRODUCT: A high heat resistant coating containing silicone vehicle for maximum weatherability and excellent heat resistance.

DESCRIPTION: A high grade silicone alkyd type co-polymer hi-heat coating. This product is designed for use on steel and other surfaces to withstand temperatures up to 600 degrees F. It's superior silicone alkyd resin base also makes it an ideal coating for exterior metal surfaces. Can be custom manufactured to required viscosity and gloss specifications.

PROPERTIES:

COLORS..... Full Spectrum(All Colors).
SOLIDS(Volume)*..... 60 - 67%
THEORETICAL COVERAGE*..... 640 - 720 sq.ft/gal
DRY FILM THICKNESS..... 1.5 mils p/coat

DRYING TIME-AT 75 DEGREES F:

SET-TO-TOUCH..... 2 HOURS MAX
DRY HARD..... 8 HOURS MAX
VEHICLE TYPE..... SILICONE ALKYD
*Values may vary with color.

ADVANTAGES:

(1). Excellent Weather Resistance.
(2). Meets Specification Requirements.
(3). Excellent Coverage.
(4). Excellent Gloss Retention.
(5). High Heat Resistance

USES:

(1). Steel
(2). Machinery
(3). Tanks
(4). Railings
(5). Equipment
(6). Towers

TECHNICAL DATA SHEET
SILICONE ALKYD ENAMEL HI-HEAT

APPLICATION & REDUCTION:

Hi-Heat Silicone Alkyd enamels may be applied by brush, roll or spray application.
For spraying, thin up to 15% or as needed with Xylene. For brushing , thin up to 10% with Mineral Spirits.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
TT-P-95C
CHLORINATED RUBBER COATING
PAGE 1 OF 2

PRODUCT: A chlorinated, rubber based coating designed to withstand continuous submersion and the effects of wear and weather. Formulated per Federal Specification TT-P-95C.

DESCRIPTION: A chlorinated rubber coating formulated to meet TT-P-95C. This coating is especially designed for swimming pools, fountains, reflection ponds. lily ponds and garden ponds. It provides a tile-like finish that is easy to clean and chemical resistant.

PROPERTIES:

COLORS..... Full Range
PIGMENT..... Fade Resistant
GLOSS..... Semigloss
VEHICLE..... Chlorinated Rubber

DRYING TIME-AT 75 DEGREES F:

SET-TO-TOUCH..... 20 Minutes
RECOAT TIME..... 24 Hours
WEIGHT/GALLON..... 10.5 lbs.
COVERAGE(theoretical)@1 mil dry..... 451 sq.ft/gl
SOLIDS(Weight)..... 52%
SOLIDS(Volume)..... 30.4%

ADVANTAGES:

(1). Weather Resistant
(2). Highly Durable
(3). Chemical Resistant
(4). Water Resistant
(5). Self Priming

USES:

(1). Swimming Pools
(2). Fountains
(3). Concrete
(4). Plaster
(5). Ponds
(6). Reflection Basins

APPLICATION & REDUCTION:

Griggs TT-P-95C can be applied by brush, roll or spray. For previously painted surfaces, thin 10-15% with T0045, Griggs Pool Paint Thinner or Xylene.
For sandblasted surfaces, thin first coat up to 50%, then thin second coat 10-15% and apply.

SURFACE PREPARATION:

Surface must be clean, and free of all contamination before application. Etch surface for best results. Surface may be damp but not wet prior to etching. Consult your Griggs representative for specific surface preparation instructions. Allow 7 - 10 days of dry weather before filling pool. For each day of rain, allow 2 additional days of drying. Do not apply if rain threatens.

PRECAUTIONS:

FLAMMABLE LIQUID.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
POLYURETHANE ALKYD ENAMEL
PAGE 1 OF 2

PRODUCT: A high quality polyurethane modified alkyd enamel for use on all wood, metal or masonry surfaces. This product is extremely durable with excellent flow and leveling characteristics. It is self priming on most metal and wood surfaces.

DESCRIPTION: A specially formulated polyurethane modified alkyd enamel for wood, metal and masonry surfaces. Griggs Polyurethane Alkyd Enamels are durable, washable easy to apply and have excellent hide and scrub properties. This product is suitable for interior and exterior use.

PROPERTIES:

COLORS..... Full Spectrum(All Colors).
SOLIDS(Weight)..... 66 - 76%
SOLIDS(Volume)..... 46 - 56%
THEORETICAL COVERAGE..... 450 sq.ft/gal
DRYING TIME-AT 75 DEGREES F:
TO HANDLE..... 3 To 4 Hours
TO RECOAT..... 18 To 24 Hours
VEHICLE TYPE..... Polyurethane Alkyd
WEIGHT/GAL..... 9.9 - 11.2 lbs/gal

ADVANTAGES:

(1). Rust Resistant.
(2). Excellent Hide.
(3). Extremely Durable.
(4). Excellent Flow and Leveling.
(5). Low Odor for Interior Use.
(6). Extremely Washable.

USES:

(1). Wood.
(2). Metal.
(3). Cabinets.
(4). Floors.
(5). Furniture.
(6). Masonry

TECHNICAL DATA SHEET
POLYURETHANE ALKYD ENAMEL
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Polyurethane Alkyd Enamels are formulated for brush, roll or spray application. For spraying, thin up to 15% or as needed with Mineral Spirits. For brushing, use at packaged consistency or thin as needed with Mineral Spirits.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application. This coating is self priming on metal and wood surfaces, but may also be used over alkyd, epoxy, acrylic and phenolic primers. For masonry, prime with an acrylic latex primer or block filler to seal the surface before application.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
VINYL ENAMEL SYSTEM
PAGE 1 OF 2

PRODUCT: A high quality vinyl enamel for use on concrete and steel surfaces. This product is extremely durable and provides a chemical resistant surface. This product is designed to be used in a 3 to 4 coat system meeting VR-3 and SSPC-9 coating systems.

DESCRIPTION: A specially formulated vinyl coating for concrete and metal surfaces. Vinyl enamels are chemical resistant and extremely durable. This coating is specially formulated to meet VR-3 and SSPC-9 coating systems.

PROPERTIES:

COLORS..... Full Spectrum
SOLIDS(Weight)*..... 45 - 50%
THEORETICAL COVERAGE*..... 300 - 350 sq.ft/gal
DRY FILM THICKNESS..... 2.0 to 3.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
TO RECOAT..... 12 To 24 Hours
VEHICLE TYPE..... Vinyl
WEIGHT/GAL*..... 10.2 - 11.5 lbs/gal
*Values may vary with color.

ADVANTAGES:

(1). Provides a Chemical Resistant Surface
(2). Excellent Adhesion
(3). Extremely Durable
(4). Excellent Adhesion
(5). Extremely Washable
(6). Resistance to Acids and Alkalis
(7). Resistance to water and humidity
(8). Resistance to Abrasion

USES:

(1). Chemical Containment
(2). Concrete
(3). Steel Tanks

TECHNICAL DATA SHEET
VINYL ENAMEL SYSTEM
PAGE 2 OF 2

APPLICATION & REDUCTION:

Vinyl Coatings are formulated for brush, roll or spray application. Use at packaged viscosity or thin as needed with Vinyl Reducer, not to exceed 10% by volume. *For additional application information consult SSPC 4.00, 4.02 & 4.04.*

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application. *Consult SSPC 4.00, 4.02 & 4.04 for recommended surface prep and application.*

PRECAUTIONS:

Contents are Flammable.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
501 SERIES
LOW VOC QD ENAMEL
PAGE 1 OF 2

PRODUCT: A lead-free, high-solids alkyd enamel for ferrous metals and wood. Quick dry low-voc enamels are one component, modified alkyd coatings formulated for maximum rust prevention and rapid dry.

DESCRIPTION: A quick-dry, low-voc industrial enamel for metal. Griggs QD enamels are formulated to have an extremely high solids content. These enamels offer excellent production turn around time due to their fast dry properties.

PROPERTIES:
COLORS..... Full Spectrum(All Colors)
SOLIDS(Volume)*..... 45 - 55%
THEORETICAL COVERAGE*..... 350 - 400 sq.ft/gal
DRY FILM THICKNESS..... 2.0 to 3.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
TO HANDLE..... 15 To 30 Minutes
RECOAT TIME..... 60 To 120 Minutes
VEHICLE TYPE..... Modified Alkyd
WEIGHT/GAL*..... 9.9 - 11.2 lbs/gal
TEMPERATURE RESISTANCE..... Up to 300 degrees F
*Values may vary with color.

ADVANTAGES:
(1). Meets Steel Structures Painting Council (S.S.P.C.) requirements.
(2). ASTM B117 Salt Fog Test: 500+ Hours.
(3). ASTM D 522-60 Conical Mandrel Passes: 1/8 in. mandrel
(4). Excellent Corrosion Resistance
(5). Excellent Foundation
(6). Extremely Abrasion Resistant

USES:
(1). Steel
(2). Machinery
(3). Tanks
(4). Railings
(5). Wood
(6). Towers
(7). Equipment

TECHNICAL DATA SHEET
501 SERIES
LOW VOC QD ENAMEL
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Quick-Dry Enamels are formulated for airless, electrostatic or conventional spray application. For spraying, thin up to 15% or as needed with Synthetic Reducer.
For brushing, reduce up to 15% with Mineral Spirits or Synthetic Reducer. Brush small areas only.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer.

STEEL:
Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are COMBUSTIBLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
DEER VALLEY QD ALUMINUM
501A04 ALUMINUM
PAGE 1 OF 2

PRODUCT: A lead-free , rust-resistant primer/topcoat coating. Deer Valley QD Aluminum is a single- component, modified alkyd coating formulated for maximum rust prevention and adhesion.

DESCRIPTION: A highly rust-resistant coating for ferrous and non-ferrous metal. This coating is lead-free and is extremely rust resistant due to its high content of strontium chromate. It's unique formulation allows it to be used as a primer and topcoat. May be applied over firm old alkyd or oilbase coatings as a barrier coat. This coating is extremely versatile due to its rich formulation.

PROPERTIES:
COLOR..... Aluminum
SOLIDS(Volume)*..... 35%
THEORETICAL COVERAGE*..... 650 mil sq.ft/gal
DRY FILM THICKNESS..... 2.0 to 2.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
TO HANDLE..... 30 Minutes
TO RECOAT..... 2 Hours
VEHICLE TYPE..... Modified Alkyd
WEIGHT/GAL*..... 9.1 lbs/gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

ADVANTAGES:
(1). Meets Steel Structures Painting Council (S.S.P.C.) requirements.
(2). Can be used as a primer and topcoat.
(3). ASTM D 522-60 Conical Mandrel Passes: 1/8 in. mandrel
(4). Excellent Corrosion Resistance
(5). Excellent Adhesion
(6). Extremely Abrasion Resistant

USES:
(1). Steel
(2). Machinery
(3). Tanks
(4). Galvanized Metal.

APPLICATION & REDUCTION:

Deer Valley QD Aluminum Coating can be applied by brush, roll or spray.

For brushing and rolling, use as is or thin with Synthetic Reducer.

For spraying, thin up to 15% or as needed with Synthetic Reducer.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer.

METAL SURFACES:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day. New galvanized metal should be acid etched for maximum cleaning and removal of processing contaminants.

PRECAUTIONS:

Contents are COMBUSTIBLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
LOW VOC QD ENAMEL
PAGE 1 OF 2

501A26 CHIMNEY SWEEP
501N06 NAEGLE BROWN
501N35 NEW LAMAR BROWN 2000
501A45 CHARCOAL GRAY D507F

PRODUCT: A lead-free, high-solids alkyd enamel for ferrous metals and wood. Quick dry low-voc enamels are one component, modified alkyd coatings formulated for maximum rust prevention and rapid dry.

DESCRIPTION: A quick-dry, low-voc industrial enamel for metal. Griggs QD enamels are formulated to have an extremely high solids content. These enamels offer excellent production turn around time due to their fast dry properties.

PROPERTIES:
COLORS..... Full Spectrum(All Colors)
SOLIDS(Volume)*..... 45 - 55%
THEORETICAL COVERAGE*..... 350 - 400 sq.ft/gal
DRY FILM THICKNESS..... 2.0 to 3.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
TO HANDLE..... 15 To 30 Minutes
RECOAT TIME..... 60 To 120 Minutes
VEHICLE TYPE..... Modified Alkyd
WEIGHT/GAL*..... 9.9 - 11.2 lbs/gal
TEMPERATURE RESISTANCE..... Up to 300 degrees F
*Values may vary with color.

ADVANTAGES:
(1). Meets Steel Structures Painting Council (S.S.P.C.) requirements.
(2). ASTM B117 Salt Fog Test: 500+ Hours.
(3). ASTM D 522-60 Conical Mandrel Passes: 1/8 in. mandrel
(4). Excellent Corrosion Resistance
(5). Excellent Foundation
(6). Extremely Abrasion Resistant

USES:
(1). Steel
(2). Machinery
(3). Tanks
(4). Railings
(5). Wood
(6). Towers
(7). Equipment

TECHNICAL DATA SHEET
LOW VOC QD ENAMEL
PAGE 2 OF 2

501A26 CHIMNEY SWEEP
501N06 NAEGLE BROWN
501N35 NEW LAMAR BROWN 2000
501A45 CHARCOAL GRAY D507F

APPLICATION & REDUCTION:

Griggs Quick-Dry Industrial Enamels are formulated for airless, electrostatic or conventional spray application. For spraying, thin up to 15% or as needed with Synthetic Reducer. For brushing, reduce up to 15% with Mineral Spirits or Synthetic Reducer. Brush small areas only.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:
Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
DEER VALLEY ENAMELS
501B01
PAGE 1 OF 2

PRODUCT: A lead-free, high-solids alkyd enamel for ferrous metal. Deer Valley enamels are one component, modified alkyd coatings formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant flat black industrial enamel for ferrous metal. Deer Valley enamels dry quickly and have an extremely high solids content. These enamels offer excellent "wetting" of the steel in addition to excellent abrasion and weather resistance. Re-formulated for lower VOC content.

PROPERTIES:
COLOR..... Flat Black
SOLIDS(Weight)..... 67 - 69%
THEORETICAL COVERAGE..... 728 mil sq.ft/gal
DRY FILM THICKNESS..... 2.0 to 3.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
TO HANDLE..... 1 To 2 Hours
TO RECOAT..... 10 To 12 Hours
VEHICLE TYPE..... Modified Alkyd
WEIGHT/GAL..... 10.7 - 10.9 lbs/gal
TEMPERATURE RESISTANCE..... Up to 300 degrees F
VOC Content..... 363 Grams/Liter

ADVANTAGES:
(1). Meets Steel Structures Painting Council (S.S.P.C.) requirements.
(2). ASTM B117 Salt Fog Test: 500+ Hours.
(3). ASTM D 522-60 Conical Mandrel Passes: 1/8 in. mandrel
(4). Excellent Corrosion Resistance
(5). Excellent Foundation
(6). Extremely Abrasion Resistant

USES:
(1). Steel
(2). Machinery
(3). Tanks
(4). Railings
(5). Equipment
(6). Towers

APPLICATION & REDUCTION:

Deer Valley Industrial Enamels are formulated for airless or conventional spray application.
For spraying, thin up to 15% or as needed with Synthetic Reducer or Xylene.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
501L88 LOW VOC QD ENAMEL
CLOSE BLUE
PAGE 1 OF 2

PRODUCT: A lead-free, high-solids alkyd enamel for ferrous metals and wood. Quick dry low-voc enamels are one component, modified alkyd coatings formulated for maximum rust prevention and rapid dry.

DESCRIPTION: A quick-dry, low-voc industrial enamel for metal. Griggs QD enamels are formulated to have an extremely high solids content. These enamels offer excellent production turn around time due to their fast dry properties.

PROPERTIES:
COLOR..... Close Blue
SOLIDS(Volume)*..... 45 - 55%
THEORETICAL COVERAGE*..... 350 - 400 sq.ft/gal
DRY FILM THICKNESS..... 2.0 to 3.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
TO HANDLE..... 15 To 30 Minutes
RECOAT TIME..... 60 To 120 Minutes
VEHICLE TYPE..... Modified Alkyd
WEIGHT/GAL*..... 9.9 - 11.2 lbs/gal
TEMPERATURE RESISTANCE..... Up to 300 degrees F
*Values may vary with color.

ADVANTAGES:
(1). Meets Steel Structures Painting Council (S.S.P.C.) requirements.
(2). ASTM B117 Salt Fog Test: 500+ Hours.
(3). ASTM D 522-60 Conical Mandrel Passes: 1/8 in. mandrel
(4). Excellent Corrosion Resistance
(5). Excellent Foundation
(6). Extremely Abrasion Resistant

USES:
(1). Steel
(2). Machinery
(3). Tanks
(4). Railings
(5). Wood
(6). Towers
(7). Equipment

APPLICATION & REDUCTION:

Griggs Quick-Dry Enamels are formulated for airless, electrostatic or conventional spray application. For spraying, thin up to 15% or as needed with Synthetic Reducer.
For brushing, reduce up to 15% with Mineral Spirits or Synthetic Reducer. Brush small areas only.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are COMBUSTIBLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
501N06 DEER VALLEY ENAMELS
PAGE 1 OF 2

PRODUCT: A lead-free , high-solids alkyd enamel for ferrous metal. Deer Valley enamels are one component, modified alkyd coatings formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant enamel for ferrous metal. Deer Valley enamels dry quickly and have an extremely high solids content. These enamels offer excellent "wetting" of the steel in addition to excellent abrasion and weather resistance. Re-formulated for lower VOC content. Available for winter and summer formulation.

PROPERTIES:

COLORS..... Full Spectrum(All Colors)
SOLIDS(Volume)*..... 63 - 67%
THEORETICAL COVERAGE*..... 885 mil sq.ft/gal
DRY FILM THICKNESS..... 2.0 to 3.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
TO HANDLE..... 1 To 2 Hours
TO RECOAT..... 10 To 12 Hours
VEHICLE TYPE..... Modified Alkyd
WEIGHT/GAL*..... 9.9 - 11.2 lbs/gal
TEMPERATURE RESISTANCE..... Up to 300 degrees F
*Values may vary with color.

ADVANTAGES:

(1). Meets Steel Structures Painting Council (S.S.P.C.) requirements.
(2). ASTM B117 Salt Fog Test: 500+ Hours.
(3). ASTM D 522-60 Conical Mandrel Passes: 1/8 in. mandrel
(4). Excellent Corrosion Resistance
(5). Excellent Foundation
(6). Extremely Abrasion Resistant

USES:

(1). Steel
(2). Machinery
(3). Tanks
(4). Railings
(5). Equipment
(6). Towers

APPLICATION & REDUCTION:

Deer Valley Industrial Enamels are formulated for airless or conventional spray application.
For spraying, thin up to 15% or as needed with Synthetic Reducer.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer.

STEEL:
Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
S/G MATTHEWS WHITE 501W03
DEER VALLEY ENAMELS
PAGE 1 OF 2

PRODUCT: A lead-free , high-solids alkyd enamel for ferrous metal. Deer Valley enamels are one component, modified alkyd coatings formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant enamel for ferrous metal. Deer Valley enamels dry quickly and have an extremely high solids content. These enamels offer excellent "wetting" of the steel in addition to excellent abrasion and weather resistance. Re-formulated for lower VOC content. Available for winter and summer formulation.

PROPERTIES:
COLORS..... Full Spectrum(All Colors).
SOLIDS(Volume)*..... 63 - 67%
THEORETICAL COVERAGE*..... 885 mil sq.ft/gal
DRY FILM THICKNESS..... 2.0 to 3.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
TO HANDLE..... 1 To 2 Hours
TO RECOAT..... 10 To 12 Hours
VEHICLE TYPE..... Modified Alkyd
WEIGHT/GAL*..... 9.9 - 11.2 lbs/gal
TEMPERATURE RESISTANCE..... Up to 300 degrees F
*Values may vary with color.

ADVANTAGES:
(1). Meets Steel Structures Painting Council (S.S.P.C.) requirements.
(2). ASTM B117 Salt Fog Test: 500+ Hours.
(3). ASTM D 522-60 Conical Mandrel Passes: 1/8 in. mandrel
(4). Excellent Corrosion Resistance
(5). Excellent Foundation
(6). Extremely Abrasion Resistant

TECHNICAL DATA SHEET
S/G MATTHEWS WHITE 501W03
DEER VALLEY ENAMELS
PAGE 2 OF 2

USES:
(1). Steel
(2). Machinery
(3). Tanks
(4). Railings
(5). Equipment
(6). Towers

APPLICATION & REDUCTION:

Deer Valley Industrial Enamels are formulated for airless or conventional spray application.
For spraying, thin up to 15% or as needed with Synthetic Reducer.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.
Keep away from heat and open flame.
KEEP OUT OF THE REACH OF CHILDREN.
Do not take internally.
Avoid breathing vapor or mist.
Do not use in tank or pit without proper protection.
Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
INDUSTRIAL MACHINERY ENAMEL
SEMI GLOSS
PAGE 1 OF 2

PRODUCT: A semi-gloss, alkyd enamel formulated for interior and exterior metal surfaces. This coating is primarily used as a quick dry finish coat on equipment for fast production time.

PROPERTIES:

COLORS	Full Range
GRIND	Not Under 6
SPECULAR GLOSS	75 - 80 @60 Deg
VISCOSITY	73 - 82 KU
DRYING TIME-AT 75 DEGREES F:	
SET-TO-TOUCH	Within 2 Hours
DRY HARD	Within 8 Hours

ADVANTAGES:
(1). Interior / Exterior Use
(2). Semi-Gloss Finish
(3). Durable Finish
(4). Full Color Range
(5). Fast Production Time

USES:
(1). Steel
(2). Machinery
(3). Tanks
(4). Equipment
(5). Towers

APPLICATION & REDUCTION:

Griggs Industrial Machinery Enamels can be applied by conventional or airless spray application. For spraying, thin up to 10% or as needed with Xylene. For brushing, use as is or with minimum thinning.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application. Prime with appropriate coating.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
HIGH-GLOSS ALKYD ENAMEL
505 SERIES
PAGE 1 OF 2

PRODUCT: A high quality full gloss alkyd enamel for use on all wood, metal or masonry surfaces. This product is extremely durable with excellent flow and leveling characteristics.

DESCRIPTION: A specially formulated high gloss industrial alkyd enamel for wood, metal and masonry surfaces. Griggs High Gloss Alkyd Enamels are durable, washable, easy to apply and have excellent hide and scrub properties.

PROPERTIES:

COLORS..... Full Spectrum(All Colors).
SOLIDS(Weight)..... 67 - 75%
SOLIDS(Volume)..... 48 - 55%
VOLATILE ORGANIC COMPOUNDS(VOC)..... < 420 G/L
THEORETICAL COVERAGE..... 700 sq.ft/gal*
DRYING TIME-AT 75 DEGREES F:
TO HANDLE..... 1 To 4 Hours
TO RECOAT..... 8 To 10 Hours
VEHICLE TYPE..... Modified Alkyd
WEIGHT/GAL..... 9.8 - 11.6 lbs/gal
* Coverage @ 1 Mil Dry Film.

ADVANTAGES:

(1). Meets TT-E-489G Specifications.
(2). Excellent Hide.
(3). Extremely Durable.
(4). Excellent Flow and Leveling.
(5). Rust & Corrosion Resistant.
(6). Extremely Washable.

USES:

(1). Wood.
(2). Metal.
(3). Cabinets.
(4). Masonry.
(5). Furniture.
(6). Machinery.

TECHNICAL DATA SHEET
HIGH-GLOSS ALKYD ENAMEL
505 SERIES
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs high gloss Alkyd Enamels are formulated for brush, roll or spray application. For spraying, thin up to 15% or as needed with Xylene or Xylol. For brushing, us at packaged consistency or thin as needed with Synthetic Reducer.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of high gloss alkyd enamel.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
HIGH-GLOSS ALKYD ENAMEL
505 SERIES
PAGE 1 OF 2

PRODUCT: A high quality, full gloss alkyd enamel for use on all exterior wood, metal or masonry surfaces. This product is extremely durable with excellent flow and leveling characteristics.

DESCRIPTION: A specially formulated high gloss industrial alkyd enamel for exterior wood, metal and masonry surfaces. Griggs High Gloss Alkyd Enamels are durable, washable, easy to apply and have excellent hide and scrub properties.

PROPERTIES:

COLORS..... Full Spectrum(All Colors)
SOLIDS(Weight)..... 61 - 71%
SOLIDS(Volume)..... 40 - 50%
THEORETICAL COVERAGE..... 650 sq.ft/gal*
DRYING TIME-AT 75 DEGREES F:
TO HANDLE..... 1 To 4 Hours
TO RECOAT..... 8 To 12 Hours
VEHICLE TYPE..... Modified Alkyd
WEIGHT/GAL..... 9.4 - 11.2 lbs/gal
* Coverage @ 1 Mil Dry Film.

ADVANTAGES:

(1). Meets TT-E-489G Specifications.
(2). Excellent Hide.
(3). Extremely Durable.
(4). Excellent Flow and Leveling.
(5). Easy Application.
(6). Extremely Washable.

USES:

(1). Wood.
(2). Metal.
(3). Cabinets.
(4). Masonry.
(5). Furniture.
(6). Machinery.

APPLICATION & REDUCTION:

Griggs high gloss Alkyd Enamels are formulated for brush, roll or spray application. For spraying, thin up to 15% or as needed with Synthetic Reducer. For brushing, us at packaged consistency or thin as needed with Mineral Spirits.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of high gloss alkyd enamel.

PRECAUTIONS:

Contents are COMBUSTIBLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
INDUSTRIAL MACHINERY ENAMEL S/G
505A39

PRODUCT: A semi-gloss, alkyd enamel formulated for interior and exterior metal surfaces. This coating is primarily used as a quick dry finish coat on equipment for fast production time.

PROPERTIES:

COLORS	Full Range
GRIND	Not Under 6
SPECULAR GLOSS	75 - 80 @60 Deg
VISCOSITY	73 - 82 KU
DRYING TIME-AT 75 DEGREES F:	
SET-TO-TOUCH	Within 2 Hours
DRY HARD	Within 8 Hours

ADVANTAGES:
(1). Interior / Exterior Use
(2). Semi-Gloss Finish
(3). Durable Finish
(4). Full Color Range
(5). Fast Production Time

USES:
(1). Steel
(2). Machinery
(3). Tanks
(4). Equipment
(5). Towers

APPLICATION & REDUCTION:

Griggs Industrial Machinery Enamels can be applied by conventional or airless spray application. For spraying, thin up to 10% or as needed with Mineral Spirits. For brushing, use as is or with minimum thinning.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application. Prime with appropriate coating.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
INDUSTRIAL ALKYD ENAMEL
FLAT CLEAR
505C09

PRODUCT: A high quality lusterless alkyd enamel for use on all wood, metal or masonry surfaces. This product is extremely durable with excellent flow and leveling characteristics.

DESCRIPTION: A specially formulated lusterless industrial alkyd enamel for wood, metal and masonry surfaces. Griggs Industrial Alkyd Flat Clear Enamel is easy to apply, low VOC and dries to a lusterless uniform clear finish.

PROPERTIES:

COLOR	Flat Clear
SOLIDS(Weight)	58 - 60%
SOLIDS(Volume)	49 - 51%
THEORETICAL COVERAGE	781 sq.ft/gal*
DRYING TIME-AT 75 DEGREES F:	
TO HANDLE	1 To 4 Hours
TO RECOAT	8 To 10 Hours
VEHICLE TYPE	Modified Alkyd
WEIGHT/GAL	7.9 - 8.3 lbs/gal

* Coverage @ 1 Mil Dry Film.

ADVANTAGES:
(1). Meets TT-E-527C Specifications.
(2). Excellent Hide.
(3). Extremely Durable.
(4). Excellent Flow and Leveling.
(5). Rust & Corrosion Resistant.
(6). Flat Finish

USES:
(1). Wood.
(2). Metal.
(3). Cabinets.
(4). Masonry.
(5). Furniture.
(6). Machinery.

TECHNICAL DATA SHEET
INDUSTRIAL ALKYD ENAMEL
FLAT CLEAR
505C09

APPLICATION & REDUCTION:

Griggs high gloss Alkyd Enamels are formulated for brush, roll or spray application. For spraying, thin up to 15% or as needed with Synthetic Reducer. For brushing, us at packaged consistency or thin as needed with Mineral Spirits.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of high gloss alkyd enamel.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
EPOXY CRACK FILLER

PRODUCT: A liquid modified 100% solids epoxy coating with room temperature curing. Excellent adhesion to concrete and other materials. This coating will cure in the presence of moisture.

MAJOR USES: Patching and surfacing, patching compounds, adhesives, bonding new and old concrete, potting and encapsulation, casting, hand lay laminating and seamless floors.

PROPERTIES: 100% solids
Tensile strength: 400 - 500 P.S.I. Tensile elongation: D-638
Pot life at 77 F: 15 - 35 minutes. Chemical and acid resistance: Excellent

APPLICATION: Griggs Epoxy Crack Filler is supplied in kits that yield 1 gal. This material can be poured directly into the crack. Always remember to mix Part A with Part B. It is very important to mix both parts well before use. Also very important is the thorough mixing after combining part A with part B.

PRECAUTIONS: Take these precautions before the coating dries and during application.

The following applies to Part A and Part B
Harmful or fatal if swallowed. Vapor harmful. Eye irritant. Keep away from heat, sparks, and open flame. Avoid prolonged contact with skin or breathing of vapors. Keep containers closed when not in use. In case of spillage, absorb and dispose of in accordance with local applicable regulations.
Use with adequate ventilation. KEEP OUT OF REACH OF CHILDREN!!! If swallowed do not induce vomiting. CALL A PHYSICIAN IMMEDIATELY.

TECHNICAL DATA SHEET
MIL-DTL-24441/21A
#151 HAZE GRAY

PRODUCT DESCRIPTION:

A two component epoxy polyamide paint designed to protect surfaces from environmental attack. MIL-DTL-24441/21A Haze Gray Topcoat is normally used with #150 primer for maximum resistance to fresh or salt water. The complete three coat Epoxy system is resistant to water, many industrial chemical fumes and high humidity environment conditions. This coating is Low VOC as well as lead and chromate free.

TYPICAL PROPERTIES:

(1). **COLOR**..... #26270 Haze Gray
(2). **SHELF LIFE**..... 1 Year From Date of Mfg
(3). **POT LIFE @ 73 DEGREES FAHRENHEIT**..... 5 Hours Min.
(4). **GLOSS @ 60 DEGREES**..... 30 Maximum
(5). **THEORETICAL COVERAGE**..... 300 - 325 Sq.Ft/Gallon
(6). **FINENESS OF GRIND**..... 5 Minimum
(7). **TITANIUM DIOXIDE(% OF PIGMENT)**..... 18% Minimum

DRYING TIMES (AT 73 DEGREES FAHRENHEIT)
To Touch: 2 Hours
Dries Hard: 6 Hours

SURFACE PREPARATION:
Remove all dirt, grease, wax, oil and other contaminants. All mill scale, rust and other interference materials must be completely removed by sandblasting to a minimum SSPC-SP-6 Commercial Grade (NACE NO.3). Prime with MIL-DTL-24441/20 #150 Green Primer.

APPLICATION AND REDUCTION:
Stir both components thoroughly. Mix the two components together in equal parts, 1:1 BY VOLUME! Allow to stand 1 hour at approximately 70 degrees Fahrenheit before using. Add MIL T-81772B TY.II if necessary to facilitate atomization. Pot life is approximately 2 hours at 90 degrees F, 6 hours at 70 degrees F and 16 hours at 50 degrees F.

FOR INDUSTRIAL USE ONLY. READ MSDS BEFORE USE

TECHNICAL DATA SHEET
8865 CONTAINMENT EPOXY COATING
PAGE 1 OF 5

PRODUCT: A liquid modified 100% solids novolac epoxy two component coating designed for severe chemical exposure conditions.

MAJOR USES: Industrial applications where superior resistance to chemicals, abrasion and solvents is required on concrete surfaces.

PROPERTIES: 100% Solids Modified Epoxy Novolac Coating. *Cure Time:*

Light Service..... 12-24 hours Full Service..... 30-36 hours Resistant to..... Chemicals, Cleaning, Solvents, Acids, Jet Fuels, Degreasers and Solvents.

SURFACE PREPARATIONS:

The minimum cure time of concrete must be least 30 days before application of epoxy coating(concrete shrinks during the normal curing process and may continue to shrink and settle after the 30 day curing period). Ambient & surface temperature of substrate must be above 50 degrees F for proper curing of Griggs 8865 Epoxy Coating. The concrete to be coated should be dry and free of all loose debris, dirt, dust, curing compounds, release agents and other contaminants to produce a sound surface before application.

MIXING:

Mix Component A & B until all pigments and settlement are completely mixed in before combining the two components. Then slowly pour component B into component A mixing slowly. Mixed admixed material 1 - 2 1/2 minutes until thoroughly mixed (if components A & B are not completely mixed this will severely effect the curing process). Manual or mechanical mixing may be used to mix 8865 Containment Epoxy. Dispense admixed material and clean tools immediately (cleaning may be done with Lacquer Thinner or warm soapy water). To extend the pot life, 8865 Epoxy components A & B may be inserted into a freezer or ice bath before mixing the 2 components with each other.

APPLICATION: Griggs 8865 Containment Epoxy is supplied in 1-gallon and 5-gallon kits. Coating may be applied using a roller, squeegee, sprayer or trowel. For best results, mechanically mix each component before combining. Mix at a ratio of 3:1 by volume. Silica sand may be added up to a ratio of 3 parts by weight of sand to 1 part by weight of catalyzed epoxy. Pot life is approximately 40 to 60 minutes at 77 Degrees F and shortens significantly as the temperature increases. Use admixed material immediately, pot life will lessen as it develops heat while in the bucket due to its exothermic properties. If spraying, take caution to prevent epoxy from hardening in pump and hoses. A plural component rig is recommended due to short pot life of this coating. Clean equipment immediately after use and before work breaks. For best results, use in or create a shaded area out of direct sunlight. Contact your Griggs representative for specific surface preparation and application recommendations.

PRECAUTIONS: Take these precautions before the coating dries and during application.

The following applies to Part A and Part B

Harmful or fatal if swallowed. Vapor harmful. Eye irritant. Keep away from heat, sparks, and open flame. Avoid prolonged contact with skin or breathing of vapors. Keep containers closed when not in use. In case of spillage, absorb and dispose of in accordance with local applicable regulations. **CAUTION: Admixed material may reach temperatures above 150 Degrees F in container.** Use with adequate ventilation. KEEP OUT OF REACH OF CHILDREN!!! If swallowed do not induce vomiting. CALL A PHYSICIAN IMMEDIATELY. READ MSDS BEFORE USE.

TYPICAL PROPERTIES AND RESISTANCE DATA

Tensile

Strength:	12,500 psi
Modulus:	479,400 psi
Elongation:	5.0%

Flexural

Strength:	21,143 psi
Modulus:	487,355
Yield strain:	5.9%

Dielectric Strength:	508 volts/mil
Heat Deflection Temperature:	106 Deg C

The following 10 chemicals/solvents were evaluated at ambient temperature. Three cured specimens, each measuring 1" x 3" x .0125" were immersed in the specific chemical/solvent, and weights were checked at given intervals for change. Weight change is reported as % change from the initial measurement. These specimens were cured for two hours at 100 Deg C.

	24hrs	7 days	28 days	90 days	180 days
WATER	0.17	0.41	0.84	1.48	2.23
SODIUM HYDROXIDE	0.19	0.33	0.70	1.21	1.85
5% ACETIC ACID	0.66	2.00	4.01	7.06	10.53
XYLENE/IPA(1:1 MIX)	0.00	0.03	0.03	0.02	0.07
98% SULFURIC ACID	0.17	0.28	0.38	0.55	0.84
METHYL ETHYL KETONE	0.02	0.00	0.00	0.08	0.29
METHANOL	0.31	0.85	1.88	3.59	5.73
METHYLENE CHLORIDE	1.14	7.19	24.6	41.7	40.76
GASOLINE	0.04	0.06	0.08	0.14	0.34
DIESEL FUEL	0.10	0.14	0.11	0.10	0.22

PROPERTIES

SOLIDS(Volume):..... 100%
Weight/Gallon(Admixed):..... 9.5 lbs
Viscosity(Brookfield):..... 11,200 cP @ 25 Deg C
Pot Life @ 75 Deg F:..... 45 - 60 Minutes

DRYING TIMES @ 75 DEGREES F:

Dry-to-Touch:..... 10 - 12 Hours Dry
Hard:..... 24 Hours Full
Cure:..... 36 Hours

SPECIAL NOTES:

Griggs 8865 Containment Epoxy is a specially formulated coating to be used as an epoxy barrier for severe chemical exposures. The surface preparation of the concrete will greatly effect the final results. The concrete must be cured for at least 30 days and free of all dirt, debris, dust, oils, grease, fats, chemicals, old coatings, curing compounds, laitance, efflorescence, salts, and foreign matter. The surface must have a profile similar to 40 -60 grit sandpaper for proper penetration and adhesion of this epoxy. The concrete surface must be dry and have a pH of 7 - 11 with all projections and splatter removed and all surface defects repaired. The temperature of the surface to be coated must be at least 50 Degrees F during application and curing. If this material is used in direct sunlight, bubbles may form due to the expansion of air and/or moisture entrapment in the concrete. A shaded work area is strongly recommended for best results. Silica sand may be added to Griggs 8865 up to a ratio of 3 parts sand to 1 part 8865 by weight. Use only clean and dry 20/40 mesh oval/round silica sand that has been prepackaged in moisture proof bags. The use of contaminated silica sand will adversely effect the performance and/or application of Griggs 8865. It is recommended that all materials to be used be stored at a temperature of 70 to 90 Degrees F, twenty-four to forty-eight hours before application. This includes Parts A and B, and any silica sand that may be used.

Griggs Paint will replace any product that does not conform to its pre-published manufacturing specifications. Replacement material will be furnished at no charge FOB: Phoenix, Arizona. Griggs makes no other warranties, expressed or implied, concerning its products, information, suggestions and procedures and disclaims all warranties including any implied warranties or merchantability or fitness for a particular use of this product.

TECHNICAL DATA SHEET
DC733 #17038 GLOSS BLACK EPOXY
AMINE COATING NPC61661 FP5025
TY.II, CL.A

PRODUCT DESCRIPTION:

One type of two-component epoxy based finish coat for the aerospace industry. This product is specifically formulated for industrial aerospace use on metals.

TYPICAL PROPERTIES:

(1). COLOR..... #17038 Gloss Black
(2). **DRYING TIME:**
To Touch..... 1 - 2 Hours
(3). Dry Hard..... Within 8 Hours
To Recoat..... Overnight
(4). VEHICLE TYPE..... Epoxy Amine Adduct
(5). POT LIFE..... 8 Hours @ 80 ºF
(6). SHELF LIFE..... 1 Year From Date/Mfg
(7). **RESISTANCE TO:**
Solvents.....Excellent
Water.....Excellent
Oils/Greases.....Excellent
Alkali.....Excellent
(8). **SPRAYING VISCOSITY:** 18-23 Seconds #1 Zahn Cup.

APPLICATION AND REDUCTION:

DC733 is normally applied over well cleaned, primed metal that has been prepared according to Garrett Specifications. Mix one part DC733 with one part of the converter provided in the kit. Allow 45 minutes to one hour wetting time. Spray one cross coat to achieve a dry film thickness of 0.3 0.5 mils. Use admixed material within 8 hours. Dry to touch in 30 minutes, to handle in 4 hours and to recoat within 12 -18 hours. For baking, allow at least one hour for solvent release, and bake at 180 - 200 degrees Fahrenheit for 45 to 60 minutes.

TECHNICAL DATA SHEET
MIL-DTL-24441/23A
BLACK TOPCOAT

PRODUCT DESCRIPTION:
A heavy duty two component black epoxy polyamide paint that does not contain lead, chromium or other toxic metal pigments. MIL-DTL-24441/23A Epoxy Polyamide is used on interior or exterior steel where a heavy duty epoxy coating is required with maximum resistance to fresh or salt water. The complete three coat Epoxy system is resistant to water, many industrial chemical fumes and high humidity environment conditions.

TYPICAL PROPERTIES:
(1). **COLOR**..... Black
(2). **SHELF LIFE**..... 1 Year From Date of Mfg
(3). **IMMERSION RESISTANCE**..... Pass Hot Distilled Water
(4). **VOLUME SOLIDS**..... 52%
(5). **COVERAGE AT 2-3 DRY MILS**..... 300 - 325 Sq.Ft/Gal
(6). **MINIMUM DRY FILM REQUIRED**..... 2 - 3 Mils
(7). **WET FILM REQUIRED PER COAT**..... 3.8 - 5.8 Mils

DRYING TIMES
To Touch: 2 Hours
To Topcoat: Overnight
To Handle: Overnight
Cures Hard: 7 Days

SURFACE PREPARATION:
Remove all dirt, grease, wax, oil and other contaminants. All mill scale, rust and other interference materials must be completely removed by sandblasting to a minimum SSPC-SP-6 Commercial Grade (NACE NO.3). Prime with MIL-DTL-24441/23A.

APPLICATION AND REDUCTION:
Stir both components thoroughly. Mix the two components together in equal parts BY VOLUME. Allow to stand 1 hour at approximately 70 degrees Fahrenheit before using. Add reducer T-262-66 or MIL-T-81772B TY.II as necessary to facilitate atomization. Pot life is approximately 2 hours at 90 degrees F, 6 hours at 70 degrees F and 16 hours at 50 degrees F.

FOR INDUSTRIAL USE ONLY. READ MSDS BEFORE USE

TECHNICAL DATA SHEET
ANTI-GRAFFITI CLEAR EPOXY
COATING WATERBASE
PAGE 1 OF 2

PRODUCT: A two-component waterbase clear epoxy anti-graffiti coating system.

DESCRIPTION: Griggs Anti-Graffiti Clear waterbase epoxy coating is a chemically cured product that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is designed to seal and protect all masonry surfaces against many types of graffiti and weathering. This coating is available in a 4:1 mixture for brush and roll applications. It has a high solids content for excellent film build and low volatile organic compound content. A two coat system is recommended for proper protection. Apply first coat of 300C15 to seal the surface, second coat of clear epoxy is then applied as a topcoat.

PROPERTIES:

SOLIDS(Weight)	57 - 59%
SOLIDS(Volume)	54 - 56%
VISCOSITY	100 - 125 KU
COLOR	Clear
POT LIFE(77 degrees F)	6 - 8 Hours*
TACK FREE	3 - 4 Hours*
RECOAT	Overnight*
LIGHT SERVICE	24 Hours*
FULL SERVICE	7 Days*

* Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.

TECHNICAL DATA SHEET
ANTI-GRAFFITI CLEAR EPOXY
COATING WATERBASE

SURFACE PREPARATION: Surface to be coated must be clean, dry, and free of all foreign contaminants including grease, oil, dirt and loose paint or curing compounds. Dirt and dust are best removed with a stiff bristle brush and by compressed air. Grease and oil should be removed by cleaning with appropriate solvents such as mineral spirits, lacquer wash thinner or xylene. New masonry and concrete surfaces must be cured a minimum of 28 days before application. Prepare cement and concrete surfaces by acid washing with a solution of 1 part muriatic acid to 4 parts water. Always pour the acid into the water to avoid splattering. Pour onto cement surface, broom or brush in with a stiff bristle brush in order to achieve proper etching. Flush thoroughly with clean water, neutralize any remaining acid with a solution of ammonia and water, flush again with clean water. Let dry thoroughly.

APPLICATION: Apply 300C15 as a seal coat prior to application of clear epoxy. When ready to apply epoxy, mix 4 parts Component 1 to 1 part Component 2 by volume. Thin after catalyzing with up to 3/4 gallon of water per 1.25 gal kit to achieve proper flow and leveling.

PRECAUTIONS:

KEEP FROM REACH OF CHILDREN.

KEEP AWAY FROM HEAT, SPARKS OR FLAME.

USE WITH ADEQUATE VENTILATION.

AVOID BREATHING VAPOR OR MIST.

READ MATERIAL SAFETY DATA SHEET BEFORE USE.

TECHNICAL DATA SHEET
EPOXY SPOT SEALER
CLEAR 600C85
PAGE 1 OF 2

PRODUCT: A two-component clear epoxy spot sealer.

DESCRIPTION: Griggs Epoxy Spot Sealer is a clear 2-component chemically cured product that forms a film that is resistant to various chemicals. This product has excellent adhesion to most substrates and is recommended for sealing various metal substrates. This coating is available in a 1:1 mixture for spray, brush and roll applications. It is also available in a LOW-VOC version.

PROPERTIES:

SOLIDS(Weight)	35 - 37%
SOLIDS(Volume)	30 - 32%
VISCOSITY	40 - 50 KU
COLOR	Clear
POT LIFE(77 degrees F)	6 - 8 Hours**
TACK FREE	2 Hours**

** Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.

ADVANTAGES:

(1). Chemical Resistant
(2). Quick Bake Cycle

TECHNICAL DATA SHEET
EPOXY SPOT SEALER
CLEAR 600C85

SURFACE PREPARATION: Surface to be coated must be clean, dry, and free of all foreign contaminants including grease, oil, and dirt. Dirt and dust are best removed with a stiff bristle brush and by compressed air. Grease and oil should be removed by cleaning with appropriate solvents.

DIRECTIONS FOR USE: Stir each component separately before combining. Mix one volume Part B into one volume Part A while stirring. Let admixed material stand for 30 - 45 minutes. Restir and then apply as is by brush or spray to areas that need to be sealed. Let coated part flash-off for a minimum of 30 minutes. Bake for 45 - 60 minutes at 200 - 225 degrees Fahrenheit.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

TECHNICAL DATA SHEET
EPOXY POLYAMINE COATING
DC733 600G02
PAGE 1 OF 2

PRODUCT: A two-component epoxy polyamine coating.

DESCRIPTION: Griggs DC733 Epoxy Polyamine Coating is a two-component chemically cured product that forms a film that is resistant to chemicals, solvents, moisture, immersion and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant coating is required. This coating is available in a 1:1 mixture for spray, brush and roll applications. Available in clear and a full range of colors.

PROPERTIES:

SOLIDS(Weight)..... 54 - 58%*
SOLIDS(Volume)..... 45 - 49%*
VISCOSITY..... 70 - 90 KU
COLOR..... #24670 Green
POT LIFE(77 degrees F)..... 8 - 12 Hours**
TACK FREE..... 3 Hours**
RECOAT..... Overnight**
LIGHT SERVICE..... 24 Hours**
FULL SERVICE..... 7 Days**
** Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.
* Values may vary with color.

ADVANTAGES:

(1). Chemical Resistant
(2). Excellent Topcoat
(3). Meets ASTM Standard Tests
(4). Abrasion Resistant
(5). Resistant to Corrosive Fumes

USES:

(1). Steel
(2). Concrete Floors
(3). Equipment
(4). Machinery
(5). Anti-Graffiti Coating

SURFACE PREPARATION: Surface to be coated must be clean, dry, and free of all foreign contaminants including grease, oil, dirt and loose paint or curing compounds. Dirt and dust are best removed with a stiff bristle brush and by compressed air. Grease and oil should be removed by cleaning with appropriate solvents such as mineral spirits, lacquer wash thinner or xylene. Prime with appropriate coating for system requirements. For immersion service, ask your Griggs representative for special surface preparation recommendations.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

CONTENTS ARE FLAMMABLE!

TECHNICAL DATA SHEET
MIL-C-2275OF TY.I & TY.II
EPOXY POLYAMIDE COATING

PRODUCT DESCRIPTION:

A two-component epoxy-polyamide coating for spray and brush applications, furnished in a packaged kit and suitable for use under air pollution regulations. Formulated for the protection against solvents and chemicals on interior and exterior surfaces. Type II use for low infrared reflective needs. Meets MIL-C-22750 Revision "F".

TYPICAL PROPERTIES:

(1). **COLORS**..... All Fed.Std 595 Colors
(2). **SHELF LIFE**..... 1 Year From Date of Mfg
(3). **DRYING TIME:**
Set-To-Touch: Within 1 Hour
Dry Hard: Within 7 Hours
(4). **Thinner**..... MIL-T-81772B Ty.II
(5). **Gloss Values:**
Gloss: 90 minimum
Semi-Gloss: 15 - 30
Lusterless: 8 maximum, 16 maximum for Gull Gray
(6). **VISCOSITY:**
#4 Ford Cup: 16 seconds, 1 Hour After Mixing

APPLICATION AND REDUCTION:

Each of the two components should be thoroughly mixed separately . Component B is then slowly poured into Component A with constant stirring until a three-to-one ratio is achieved. Reduce the admixed material approximately 50% with MIL-T-81772B TY.II Thinner to achieve a viscosity of 16-18 seconds in a #4 Ford Cup. Mix thoroughly and allow to stand one hour before using. Apply a mist coat and allow to dry 30 minutes. Apply a second coat to a total dry film thickness of 1.4 to 1.8 mils. May also be applied by brush or roller application at packaged consistency or with minimum thinning.

TECHNICAL DATA SHEET
NON-SKID EPOXY COATING
PAGE 1 OF 2

PRODUCT: A high quality non-skid two component epoxy enamel for use on all wood, concrete or metal floor surfaces. This product is extremely durable and provides a non-skid surface for better traction. This is a two-component coating, catalyst is required.

DESCRIPTION: A specially formulated non-skid two-component epoxy enamel for wood concrete and metal floors and deck surfaces. Griggs Non-Skid Epoxy Enamels are durable and provide a no-slip surface that helps prevent slipping in critical areas. This coating is specially formulated for high traffic areas due to its catalyzed epoxy formulation.

PROPERTIES:
COLORS..... Full Spectrum
SOLIDS(Weight)*..... 58 - 62%
THEORETICAL COVERAGE*..... 350 - 450 sq.ft/gal
DRY FILM THICKNESS..... 2.0 to 3.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
TO HANDLE..... 4 To 6 Hours
TO RECOAT..... 12 To 24 Hours
VEHICLE TYPE..... Epoxy Polyamide
WEIGHT/GAL*..... 10.2 - 11.5 lbs/gal
*Values may vary with color.

ADVANTAGES:
(1). Provides a Non-Skid Surface.
(2). Excellent Hide.
(3). Extremely Durable.
(4). Excellent Adhesion.
(5). Chemical Resistant.
(6). Extremely Washable.

USES:
(1). Wood Decks
(2). Metal Decks
(3). Concrete Floors

TECHNICAL DATA SHEET
NON-SKID EPOXY COATING
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Non-Skid Epoxy Coatings are formulated for brush or roll application. Use at packaged viscosity or thin as needed with T-262-66 Epoxy Reducer, not to exceed 10% by volume.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of non-skid coating.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
DC733 #082 MUNSELL BLUE
EPOXY AMINE COATING

PRODUCT DESCRIPTION:

One type of two-component epoxy based finish coat for the aerospace industry. This product is specifically formulated for industrial aerospace use on metals.

TYPICAL PROPERTIES:

(1). COLOR..... #082 Gloss Munsell Blue
(2). **DRYING TIME:**
To Touch..... 1 - 2 Hours
(3). Dry Hard..... Within 8 Hours
To Recoat..... Overnight
(4). VEHICLE TYPE..... Epoxy Amine Adduct
(5). POT LIFE..... 8 Hours @ 80 ºF
(6). SHELF LIFE..... 1 Year From Date/Mfg
(7). **RESISTANCE TO:**
Solvents.....Excellent
Water.....Excellent
Oils/Greases.....Excellent
Alkali.....Excellent
(8). **SPRAYING VISCOSITY:** 18-23 Seconds #1 Zahn Cup.

APPLICATION AND REDUCTION:

DC733 is normally applied over well cleaned, primed metal that has been prepared according to Garrett Specifications. Mix one part DC733 with one part of the converter provided in the kit. Allow 45 minutes to one hour wetting time. Spray one cross coat to achieve a dry film thickness of 0.3 0.5 mils. Use admixed material within 8 hours. Dry to touch in 30 minutes, to handle in 4 hours and to recoat within 12 -18 hours. For baking, allow at least one hour for solvent release, and bake at 180 - 200 degrees Fahrenheit for 45 to 60 minutes.

TECHNICAL DATA SHEET
C-1178-66 TYPE CATALYST

PRODUCT DESCRIPTION:

C-1178-66 type converter is an amine based catalyst designed specifically for two component epoxy coatings. Such films show excellent chemical, solvent and corrosion resistance as well as hardness and toughness. It is formulated for low bake and air dry cycles. Full cure is achieved when baked at 180 200 degrees Fahrenheit for one hour. This force cure cycle enables quicker handling and testing of coatings cured with this catalyst.

PERFORMANCE HIGHLIGHTS:

C-1178-66 type converter is recommended for those applications requiring a high degree of the following.

(1). CHEMICAL RESISTANCE
(2). SOLVENT RESISTANCE
(3). HARDNESS & FLEXIBILITY

TECHNICAL DATA SHEET
STANDARD SET EPOXY ADHESIVE
600W05 PART A
600V06 PART B
PAGE 1 OF 2

PRODUCT: A liquid epoxy adhesive.

DESCRIPTION: Standard Set Epoxy Adhesive is a two-component epoxy adhesive, Part B is black and Part A is white when mixed thoroughly produce a gray color. Standard Set Epoxy is a very quick setting adhesive, when fully cured bonds extremely well to plastics, metals and concrete.

MAJOR USES: Standard Set Epoxy Adhesive is formulated to meet state and local specifications for pavement markers, plastics, metals and concrete.

PROPERTIES:

TENSILE STRENGTH	9500-12000 PSI
TENSILE ELONGATION	6 - 7
COLOR (When mixed)	Light Gray
HEAT RESISTANCE	250 - 300 Deg F
POT LIFE(77 Degrees F)	5-13 Minutes*
FULL SERVICE	5 Days*

*Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.

TECHNICAL DATA SHEET
STANDARD SET EPOXY ADHESIVE
600W05 PART A
600V06 PART B

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or curing compounds. Surface may be damp, but standing water must be removed.

MIXING INSTRUCTIONS: Settling of fillers and pigments in components A and B shall be completely redispersed to provide a homogeneous mix before the components are used. Mix component A and B one to one by volume, mix thoroughly until you achieve a uniform gray color. Pot life of Standard Set Epoxy is 5 to 13 minutes at 77 degrees F. Griggs T-231-66 thinner is recommended for equipment clean up.

PRECAUTIONS:

USE WITH ADEQUATE VENTILATION.

KEEP OUT OF THE REACH OF CHILDREN.

USE WITH PROPER DUAL CARTRIDGE RESPIRATOR WITH GREEN BAND CARTRIDGE TO PROTECT AGAINST METHYL AMINE VAPORS.

WEAR PROTECTIVE GLOVES.

WEAR SAFETY GLASSES OR GOGGLES.

DO NOT BREATH VAPORS.

READ MATERIAL SAFETY DATA SHEET BEFORE USING THIS COATING.

TECHNICAL DATA SHEET
C-252-66 TYPE CATALYST

PRODUCT DESCRIPTION:

C-252-66 gloss epoxy type catalyst is an amine based air dry catalyst designed specifically for two component epoxy coatings. Such films show excellent chemical, solvent and corrosion resistance as well as hardness and toughness. At normal film thicknesses and climatic conditions, epoxies catalyzed with C-252-66 type catalyst will dry to touch in 1-1/2 hours and dry to handle in 8 hours.

PERFORMANCE HIGHLIGHTS:

C-252-66 type catalyst is recommended for those applications requiring an air dry gloss catalyst and high degree of the following.

(1). CHEMICAL RESISTANCE
(2). SOLVENT RESISTANCE
(3). HARDNESS & FLEXIBILITY

TECHNICAL DATA SHEET
EPOXY POLYAMINE COATING
DC733 #011 WHITE
PAGE 1 OF 2

PRODUCT: A two-component epoxy polyamine coating.

DESCRIPTION: Griggs DC733 Epoxy Polyamine Coating is a two-component chemically cured product that forms a film that is resistant to chemicals, solvents, moisture, immersion and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant coating is required. This coating is available in a 1:1 mixture for spray, brush and roll applications. Available in clear and a full range of colors.

PROPERTIES:

SOLIDS(Weight)..... 54 - 58%*
SOLIDS(Volume)..... 45 - 49%*
VISCOSITY..... 70 - 90 KU
COLOR..... #011 Gloss White
POT LIFE(77 degrees F)..... 8 - 12 Hours**
TACK FREE..... 3 Hours**
RECOAT..... Overnight**
LIGHT SERVICE..... 24 Hours**
FULL SERVICE..... 7 Days**
** Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.
* Values may vary with color.

ADVANTAGES:

(1). Chemical Resistant
(2). Excellent Topcoat
(3). Meets ASTM Standard Tests (4). Abrasion Resistant
(5). Resistant to Corrosive Fumes

USES:

(1). Steel
(2). Concrete Floors
(3). Equipment
(4). Aerospace Parts(Allied Signal)
(5). Anti-Graffiti Coating
(6). Machinery

TECHNICAL DATA SHEET
EPOXY POLYAMINE COATING
DC733 #011 WHITE

SURFACE PREPARATION: Surface to be coated must be clean, dry, and free of all foreign contaminants including grease, oil, dirt and loose paint or curing compounds. Dirt and dust are best removed with a stiff bristle brush and by compressed air. Grease and oil should be removed by cleaning with appropriate solvents such as mineral spirits, lacquer wash thinner or xylene. Prime with appropriate coating for system requirements. For immersion service, ask your Griggs representative for special surface preparation recommendations.

MIXING INSTRUCTIONS:
Mix at a ratio of 1:1 by volume with catalyst that is provided(C-1178-66 or C-252-66). Thin as needed with T-262-66 Epoxy Thinner or MIL T-81772B TY.II Thinner.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

CONTENTS ARE FLAMMABLE!

TECHNICAL DATA SHEET
EPOXY POLYAMINE COATING
DC733
PAGE 1 OF 3

PRODUCT: A two-component epoxy polyamine coating.

DESCRIPTION: Griggs DC733 Epoxy Polyamine Coating is a two-component chemically cured product that forms a film that is resistant to chemicals, solvents, moisture, immersion and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant coating is required. This coating is available in a 1:1 mixture for spray, brush and roll applications. Available in clear and a full range of colors.

PROPERTIES:

SOLIDS(Weight)..... 54 - 58%*
SOLIDS(Volume)..... 45 - 49%*
VISCOSITY..... 70 - 90 KU
COLORS..... Clear & Full Range
POT LIFE(77 degrees F)..... 8 - 12 Hours**
TACK FREE..... 3 Hours**
RECOAT..... Overnight**
LIGHT SERVICE..... 24 Hours**
FULL SERVICE..... 7 Days**
** Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.
* Values may vary with color.

ADVANTAGES:

(1). Chemical Resistant
(2). Excellent Topcoat
(3). Meets ASTM Standard Tests
(4). Abrasion Resistant
(5). Resistant to Corrosive Fumes

USES:

(1). Steel
(2). Concrete Floors
(3). Equipment
(4). Aerospace Parts(Allied Signal)
(5). Anti-Graffiti Coating
(6). Machinery

SURFACE PREPARATION: Surface to be coated must be clean, dry, and free of all foreign contaminants including grease, oil, dirt and loose paint or curing compounds. Dirt and dust are best removed with a stiff bristle brush and by compressed air. Grease and oil should be removed by cleaning with appropriate solvents such as mineral spirits, lacquer wash thinner or xylene. Normally prime with 612A or P-415A-66 Epoxy primers. For immersion service, ask your Griggs representative for special surface preparation and primer recommendations.

MIXING INSTRUCTIONS:
Mix at a ratio of 1:1 by volume with catalyst that is provided(C-1178-66 or C-252-66). Thin as needed with T-262-66 Epoxy Thinner or MIL T-81772B TY.II Thinner.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

CONTENTS ARE FLAMMABLE!

TECHNICAL DATA SHEET
EPOXY POLYAMINE COATING
DC733

RESISTANCE PROPERTIES CHART

EXPOSURE	SPLASH & SPILLAGE	FUMES
Acids	Good	Very Good
Alkalies	Excellent	Excellent
Solvents	Good/Excellent	Excellent
Salt	Excellent	Excellent
Water	Excellent	Excellent

Solvent Resistance: Passes Methyl Ethyl Ketone rub test:

A cotton terry-cloth rag shall be soaked in methyl ethyl ketone solvent and rubbed back and forth 25 times(50 passes) over the coating with a firm finger pressure. Rubbing through to bare metal indicates failure due to improper cure.

Heat Resistance: Passes

Continuous: 200 Degrees F
Non-Continuous: 250 Degrees F

Fluid Resistance: Passes

Two test panels shall be separately immersed for 24 hours in MIL-L-23699 lubricating oil at a temperature of 245 - 255 Degrees Fahrenheit and MIL-L-83282 hydraulic fluid at a temperature of 145 - 155 Degrees Fahrenheit. Fours hours after removal, the film shall not exhibit any blistering, softening, dark staining, or other film defects.

TECHNICAL DATA SHEET
EPOXY POLYAMIDE TOPCOAT
HI-BUILD 600W38
PAGE 1 OF 2

PRODUCT: A two-component hi-build epoxy polyamide coating.

DESCRIPTION: Griggs Epoxy Polyamide Coating is a two- component chemically cured product that forms a film that is resistant to chemicals, solvents, moisture, immersion and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant topcoat is required. This coating is available in a 1:1 mixture for spray, brush and roll applications. HI-BUILD epoxy coating is rust inhibitive and chemical resistant with excellent abrasion resistance. It is recommended for use on new metal surfaces or metal surfaces from which previous coatings have been removed and properly primed.

PROPERTIES:

SOLIDS(Weight)	67 - 71%*
SOLIDS(Volume)	54 - 58%*
VISCOSITY	70 - 90 KU
COLORS	Full Range
POT LIFE(77 degrees F)	8 - 10 Hours**
TACK FREE	3 Hours**
RECOAT	Overnight**
LIGHT SERVICE	24 Hours**
FULL SERVICE	7 Days**
VOLATILE ORGANIC COMPOUNDS	285 g/l*

COVERAGE RATES:	DRY	WET	SQFT/GAL
SUGGESTED	5.0	7.5	233
MINIMUM	4.0	6.0	290
MAXIMUM	6.0	9.0	195

** Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life. *Values may vary with color.

ADVANTAGES:

(1). Chemical Resistant
(2). Self Priming
(3). Meets ASTM Standard Tests
(4). Abrasion Resistant
(5). Resistant to Corrosive Fumes

TECHNICAL DATA SHEET
EPOXY POLYAMIDE TOPCOAT
HI-BUILD 600W38

SURFACE PREPARATION: Surface to be coated must be clean, dry, and free of all foreign contaminants including grease, oil, dirt and loose paint or curing compounds. Dirt and dust are best removed with a stiff bristle brush and by compressed air. Grease and oil should be removed by cleaning with appropriate solvents such as mineral spirits, lacquer wash thinner or xylene. For immersion service, ask your Griggs representative for special surface preparation recommendations.

MIXING INSTRUCTIONS: Thoroughly mix each component before combining. Mix at a ratio of 1:1 by volume while under agitation. Continue mixing until the admixed material is thoroughly combined. Allow admixed material to stand 30 minutes before use. Do not mix more material than can be used in 8 - 10 hours.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

TECHNICAL DATA SHEET
MIL-DTL-24441/22A
#152 WHITE

PRODUCT DESCRIPTION:

A two component epoxy polyamide paint designed to protect surfaces from environmental attack. MIL-DTL-24441/22A White Topcoat is normally used with #150 primer for maximum resistance to fresh or salt water. The complete three coat Epoxy system is resistant to water, many industrial chemical fumes and high humidity environment conditions. This coating is Low VOC as well as lead and chromate free.

TYPICAL PROPERTIES:

(1). **COLOR**..... #27886 White
(2). **SHELF LIFE**..... 1 Year From Date of Mfg
(3). **POT LIFE @ 73 DEGREES FAHRENHEIT**..... 5 Hours Min.
(4). **GLOSS @ 60 DEGREES**..... 20 Minimum
(5). **THEORETICAL COVERAGE**..... 300 - 350 Sq.Ft/Gallon
(6). **FINENESS OF GRIND**..... 4 Minimum
(7). **TITANIUM DIOXIDE(% OF PIGMENT)**..... 91% Minimum

DRYING TIMES (AT 73 DEGREES FAHRENHEIT)
To Touch: 2 Hours
Dries Hard: 8 Hours

SURFACE PREPARATION:
Remove all dirt, grease, wax, oil and other contaminants. All mill scale, rust and other interference materials must be completely removed by sandblasting to a minimum SSPC-SP-6 Commercial Grade (NACE NO.3). Prime with MIL-DTL-24441/20 #150 Green Primer.

APPLICATION AND REDUCTION:
Stir both components thoroughly. Mix the two components together in equal parts, 1:1 BY VOLUME! Allow to stand 1 hour at approximately 70 degrees Fahrenheit before using. Add MIL T-81772B TY.II if necessary to facilitate atomization. Pot life is approximately 2 hours at 90 degrees F, 6 hours at 70 degrees F and 16 hours at 50 degrees F.

FOR INDUSTRIAL USE ONLY. READ MSDS BEFORE USE

TECHNICAL DATA SHEET
608 SERIES EPOXY POLYAMINE
COATING DC733 LOW VOC
PAGE 1 OF 2

PRODUCT: A two-component epoxy polyamine coating.

DESCRIPTION: Griggs Epoxy Polyamine Coating is a two- component chemically cured product that forms a film that is resistant to chemicals, solvents, moisture, immersion and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, water, chemical and solvent resistant coating is required. This coating is available in a 1:1 mixture for spray, brush and roll applications. DC733 LOW VOC epoxy coating is solvent and chemical and water resistant with excellent abrasion and scrub resistance.

PROPERTIES:

SOLIDS(Weight)	54 - 58%**
SOLIDS(Volume)	45 - 49%**
VISCOSITY	70 - 90 KU
COLORS	Full Range
POT LIFE(77 degrees F)	8 - 12 Hours*
TACK FREE	30 Minutes - 1 Hour*
RECOAT	3 - 5 Hours*
THEORETICAL COVERAGE	350-400 Sq.Ft/Gal

* Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life. Full cure can be accomplished by baking @ 160 - 200 degrees Fahrenheit for 45 - 60 minutes.
** Values may vary with color.

ADVANTAGES:

(1). Solvent/Chemical Resistant
(2). Excellent Topcoat
(3). Meets ASTM Standard Tests
(4). Meets Allied-Signal MCS9010
(5). Meets Allied-Signal PCS5401
(6). Meets Allied-Signal EMS53181
(7). Abrasion Resistant
(8). Resistant to Corrosive Fumes
(9). "VOC" Compliant Formulation

TECHNICAL DATA SHEET
608 SERIES EPOXY POLYAMINE
COATING DC733 LOW VOC

SURFACE PREPARATION/MIXING INSTRUCTIONS:

Surface to be coated must be clean, dry, and free of all foreign contaminants including grease, oil, dirt and loose paint or curing compounds. Dirt and dust are best removed with a stiff bristle brush and by compressed air. Grease and oil should be removed by cleaning with appropriate solvents such as Methyl Ethyl Ketone or EPA Approved Griggs Universal Thinner and Cleaner Number DCT-737. Prime with appropriate coating for system requirements. For immersion service, ask your Griggs representative for special surface preparation recommendations.

Thoroughly mix before use, then combine with catalyst C-1178B at a ratio of 1:1 by volume. Let admixed material stand for 30 45 minutes for induction time. Pot life under normal conditions is 8 to 12 hours. Thin with MIL-T-81772B Type II is necessary.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

FOR INDUSTRIAL USE ONLY.

CONTENTS ARE FLAMMABLE.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

TECHNICAL DATA SHEET
608 SERIES EPOXY POLYAMINE
COATING METALLIC SERIES
PAGE 1 OF 2

PRODUCT: A two-component metallic epoxy polyamine coating.

DESCRIPTION: Griggs Epoxy Polyamine Coating is a two- component metallic-pigmented, chemically cured product that forms a film that is resistant to chemicals, solvents, moisture, immersion and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, water, chemical and solvent resistant coating is required. This coating is available in a 1:1 mixture for spray, brush and roll applications. DC733 LOW VOC epoxy coating is solvent and chemical resistant with excellent abrasion resistance.

PROPERTIES:

SOLIDS(Weight)	54 - 56%*
SOLIDS(Volume)	47 - 49%*
VISCOSITY	70 - 90 KU
COLORS	Full Range
POT LIFE(77 degrees F)	8 - 12 Hours*
TACK FREE	30 Minutes - 1 Hour*
RECOAT	3 - 5 Hours*
THEORETICAL COVERAGE	300 - 350 Sq.Ft/Gal*

* Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life. Full cure can be accomplished by baking @ 160 - 200 degrees Fahrenheit for 45 - 60 minutes.

* Values may vary with color.

ADVANTAGES:

(1). Solvent/Chemical Resistant
(2). Excellent Topcoat
(3). Metallic Pigmented
(4). Resistant to Corrosive Fumes
(5). Abrasion Resistant

SURFACE PREPARATION/MIXING INSTRUCTIONS:

Surface to be coated must be clean, dry, and free of all foreign contaminants including grease, oil, dirt and loose paint or curing compounds. Dirt and dust are best removed with a stiff bristle brush and by compressed air. Grease and oil should be removed by cleaning with appropriate solvents such as Methyl Ethyl Ketone or EPA Approved Griggs Universal Thinner and Cleaner Number DCT-737. Prime with appropriate coating for system requirements. For immersion service, ask your Griggs representative for special surface preparation recommendations.

Thoroughly mix before use, then combine with catalyst C-1178B at a ratio of 1:1 by volume. Let admixed material stand for 30 45 minutes for induction time. Pot life under normal conditions is 8 to 12 hours. Thin with MIL-T-81772B Type II is necessary.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

FOR INDUSTRIAL USE ONLY.

CONTENTS ARE FLAMMABLE.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

TECHNICAL DATA SHEET
EPOXY POOL PAINT
DC733 LOW VOC
PAGE 1 OF 2

PRODUCT: A two-component epoxy coating.

DESCRIPTION: Griggs Epoxy Coating is a two-component chemically cured product that forms a film that is resistant to chemicals, solvents, moisture, immersion and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant coating is required. This coating is available in a 1:1 mixture for spray, brush and roll applications. LOW-VOC epoxy coating is solvent and chemical resistant with excellent abrasion resistance.

PROPERTIES:

SOLIDS(Weight)..... 54 - 58%*
SOLIDS(Volume)..... 45 - 49%*
VISCOSITY..... 70 - 90 KU
COLORS..... Full Range
POT LIFE(77 degrees F)..... 8 - 12 Hours**
TACK FREE..... 3 Hours**
RECOAT..... Overnight**
LIGHT SERVICE..... 24 Hours**
FULL SERVICE..... 7 Days**
** Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.
* Values may vary with color.

ADVANTAGES:

(1). Chemical Resistant
(2). Excellent Topcoat
(3). Meets ASTM Standard Tests
(4). Abrasion Resistant
(5). Resistant to Corrosive Fumes

TECHNICAL DATA SHEET
EPOXY POOL PAINT
DC733 LOW VOC

SURFACE PREPARATION:

Surface to be coated must be clean, dry, and free of all foreign contaminants including grease, oil, dirt and loose paint or curing compounds. Dirt and dust are best removed with a stiff bristle brush and by compressed air. Grease and oil should be removed by cleaning with appropriate solvents or Tri-Sodium Phosphate(TSP) and water solution. Bare plaster and concrete surfaces must be acid etched prior and painting to ensure coating penetration into the surface for proper bonding and adhesion. Previously painted surfaces must be tested for compatibility with this coating.

MIXING INSTRUCTIONS/APPLICATION:

Mix separately, then combine at a ratio of 1:1 by volume. Thoroughly mix both components, then **let catalyzed paint sit for 30 - 45 minutes for "wetting time" to allow for chemical cross linking to start.** Apply by brush, roller or spray application. A minimum of two coats is required for concrete or plaster pools. Thin the first coat 15-20% with T-262-66 epoxy thinner. Apply the second coat at packaged consistency.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

CONTENTS ARE FLAMMABLE.

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

TECHNICAL DATA SHEET
MIL-E-16663A
ENAMEL, SEMIGLOSS

PRODUCT: A rapid, air-drying and baking type enamels for production line application by brushing, spraying, or dipping. For use on metal surfaces of ammunition and ammunition containers.

PROPERTIES:

COLORS	Fed Std. 595B
VISCOSITY	70 - 78 KU
TYPE I	Air Drying
TYPE II	Baking
CLASS 1	Rapid Drying
CLASS 2	Flash Drying

ADVANTAGES:
(1). Fast Drying
(2). Production Line Use
(3). Meets MIL-E-16663A TY.I, CL.1
(4). Full Color Range, 595 Colors

USES:
(1). Steel
(2). Ammunition
(3). Ammunition Containers
(4). Equipment
(5). Metal Surfaces

SURFACE PREPARATION:
Surface must be clean, dry and free of all contamination before application.

PRECAUTIONS:
Contents are FLAMMABLE.
Keep away from heat and open flame.
KEEP OUT OF THE REACH OF CHILDREN.
Do not take internally.
Avoid breathing vapor or mist.
Do not use in tank or pit without proper protection.
Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
TT-P-38E ALUMINUM
PAGE 1 OF 2

PRODUCT: An air-dry, ready-mixed aluminum coating conforming to Federal Specifications.

DESCRIPTION: A high grade, ready-mixed aluminum coating suitable for use on exterior and interior surfaces exposed to atmospheric salt and brine conditions.

PROPERTIES:

COLOR..... Aluminum
SOLIDS(Volume)..... 45 - 50%
THEORETICAL COVERAGE..... 700 mil-sq ft/gal
DRY FILM THICKNESS..... 1.5 mils p/coat

DRYING TIME-AT 75 DEGREES F:

SET-TO-TOUCH..... 2 HOURS MAX
DRY HARD..... 8 HOURS MAX
VEHICLE TYPE..... PHENOLIC ALKYD

ADVANTAGES:

(1). Excellent Weather Resistance
(2). Meets TT-P-38E
(3). Excellent Coverage
(4). Salt & Brine Resistant
(5). Exterior Grade Coating

USES:

(1). Steel
(2). Machinery
(3). Wood
(4). Railings
(5). Equipment
(6). Towers

APPLICATION & REDUCTION:

Griggs TT-P-38E aluminum coating may be applied by brush, roll or spray application. For spraying, thin up to 15% or as needed with Xylol. For brushing, thin up to 10% with Synthetic Reducer.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are Flammable.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
TT-L-58E
GLOSS LACQUER 700A133
PAGE 1 OF 2

PRODUCT: A very high quality nitrocellulose lacquer for general interior use as a finishing coat over a primed metal or a sealed wood substrate. It is available in gloss and semigloss sheens.

PROPERTIES:

COLORS	All Fed-Std 595B
GRIND	Not Under 6.0
FLEXIBILITY	Pass 1/4" Rod
VISCOSITY(#4 Ford Cup)	15-35 Seconds
NON-VOLATILE(wt.lacquer)	Not Under 26%

DRYING TIME AT 75 DEGREES F:

DUST FREE: 3 - 5 MINUTES
TACK FREE: WITHIN 10 MINUTES

USES:

(1). Furniture
(2). Machinery
(3). Steel Surfaces
(4). Equipment
(5). Office Equipment
(6). Computer Cabinets

TECHNICAL DATA SHEET
TT-L-58E
GLOSS LACQUER
PAGE 2 OF 2

APPLICATION & REDUCTION:

TT-L-58E should only be applied by spray application due to its fast dry properties. Thin one part TT-L-58E with approximately 2 parts MIL-T-81772B TY.III Thinner. Spray one tack coat followed by one full wet coat being sure to keep a "wet edge" for maximum gloss finish.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of gloss lacquer. Primer per specification requirements.

STEEL:
Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

WOOD:
Surface must be clean and free of all contaminants. Sand apply a lacquer based sealer before application of topcoat.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
MIL-E-24635B SILICONE ALKYD ENAMEL
PAGE 1 OF 2

PRODUCT: An air-dry, silicone enamel conforming to MIL-E-24635B. It is highly weather resistant with excellent color and gloss retention.

DESCRIPTION: A high grade copolymerized silicone alkyd semigloss enamel intended for use on primed smooth metal surfaces. It is highly weather resistant and has superior color and gloss retention. Available in color number 26270 per FED.STD 595B, Navy Haze Gray and others as required.

PROPERTIES:

COLOR..... Fed.Std 595B
SOLIDS(Weight)..... Minimum 63%
VISCOSITY..... 67 - 77 KU
GLOSS(60 Deg)..... 40 - 50%

DRYING TIMES:

SET-TO-TOUCH..... 2 HOURS MAX
DRY HARD..... 8 HOURS MAX
THEORETICAL COVERAGE..... 393 SQ.FT/GALLON
RECOMMENDED DRY FILM..... 2 MILS / COAT
VEHICLE TYPE.....SILICONE ALKYD

ADVANTAGES:

(1). Excellent Weather Resistance.
(2). Meets MIL-E-24635B.
(3). Excellent Coverage.
(4). Excellent Gloss Retention.
(5). UV Resistant.

USES:

(1). Steel
(2). Machinery
(3). Tanks
(4). Railings
(5). Equipment
(6). Towers

APPLICATION & REDUCTION:

MIL-E-24635B Silicone Alkyd Enamel may be applied by brush, roll or spray application. For spraying, thin up to eight parts by volume of enamel with one part of thinner in accordance with TT-T-291F or TT-T-306C. For brush or roll, use at packaged consistency or thin only as needed with TT-T-291F for proper flow and ease of application.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination and primed before application.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
A-A-2962A CL.A, GR.B
SEMI-GLOSS ALKYD ENAMEL

PRODUCT: An exterior grade, semi-gloss alkyd enamel formulated for low "VOC" content.

PROPERTIES: COLORS..... Fed Std. 595B
VOLATILE ORGANIC COMPOUNDS..... 420 G/L Maximum

ADVANTAGES:
(1). Exterior Grade
(2). Semi-Gloss Finish
(3). Meets A-A-2962A
(4). Full Color Range, 595 Colors

USES:
(1). Steel
(2). Machinery
(3). Tanks
(4). Wood
(5). Equipment
(6). Towers

SURFACE PREPARATION/MIXING:

Surface must be clean, dry and free of all contamination before application. Thin as needed up to 10% by volume with TT-T-306C Synthetic Reducer or TT-X-916 Xylol.

PRECAUTIONS:

Contents are FLAMMABLE.
Keep away from heat and open flame.
KEEP OUT OF THE REACH OF CHILDREN.
Do not take internally.
Avoid breathing vapor or mist.
Do not use in tank or pit without proper protection.
Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
MIL-PRF-24635B SILICONE ALKYD ENAMEL
PAGE 1 OF 2

PRODUCT: An air-dry, silicone enamel conforming to MIL-PRF-24635B. It is highly weather resistant with excellent color and gloss retention.

DESCRIPTION: A high grade copolymerized silicone alkyd semigloss enamel intended for use on primed smooth metal surfaces. It is highly weather resistant and has superior color and gloss retention. Available in color number 26270 per FED.STD 595B, Navy Haze Gray and others as required.

PROPERTIES:

COLOS..... Fed.Std 595B
SOLIDS(Weight)..... Minimum 63%
VISCOSITY..... 67 - 77 KU
GLOSS(60 Deg)..... 40 - 50%

DRYING TIMES:

SET-TO-TOUCH..... 2 HOURS MAX
DRY HARD..... 8 HOURS MAX
THEORETICAL COVERAGE..... 393 SQ.FT/GALLON
RECOMMENDED DRY FILM..... 2 MILS / COAT
VEHICLE TYPE.....SILICONE ALKYD

ADVANTAGES:

(1). Excellent Weather Resistance.
(2). Meets MIL-PRF-24635B.
(3). Excellent Coverage.
(4). Excellent Gloss Retention.
(5). UV Resistant.

USES:

(1). Steel
(2). Machinery
(3). Tanks
(4). Railings
(5). Equipment
(6). Towers

APPLICATION & REDUCTION:

MIL-PRF-24635B Silicone Alkyd Enamel may be applied by brush, roll or spray application. For spraying, thin up to eight parts by volume of enamel with one part of thinner in accordance with TT-T-291F or TT-T-306C. For brush or roll, use at packaged consistency or thin only as needed with TT-T-291F for proper flow and ease of application.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination and primed before application.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
MIL-P-24380B(SH) 700B12

PRODUCT DESCRIPTION:

One type of fast drying, solvent type, gloss black paint for application on steel anchor chains.

TYPICAL PROPERTIES:

(1). COLOR..... #17038 Gloss Black
(2). VISCOSITY..... 38 - 42 Seconds #4 Ford
(3). WEIGHT/GAL..... 10.0 - 11.0 Pounds
(4). NON-VOLATILE MATTER..... 30 - 40% By Weight

DRYING TIMES:

SET-TO-TOUCH..... Within 15 Minutes
DRY HARD..... Within 60 Minutes

ADVANTAGES:

(1). Use on all types of steel anchor chains
(2). Fast Drying time
(3). Meets MIL-P-24380B(SH)
(4). High Gloss Finish
(5). Approved by Dept of Navy
(6). Approved by Naval Sea Systems Command

APPLICATION AND REDUCTION:

Griggs MIL-P-24380B(SH) may be thinned with Xylol as required for desired application. May be sprayed or used in a dipping tank process. Clean up with Xylol.

TECHNICAL DATA SHEET
TT-E-529G ALKYD
TYPE II BAKING
PAGE 1 OF 2

PRODUCT: A semi-gloss, alkyd baking enamel formulated for interior and exterior metal and wood surfaces. This coating is primarily used as a bake dry finish coat on equipment.

PROPERTIES:
COLORS..... Fed Std. 595B
GRIND..... Not Under 6
SPECULAR GLOSS..... 15 - 25 @60 Deg
VISCOSITY..... 67 - 77 KU
DRYING TIME-AT 75 DEGREES F:
DRY HARD(Bake)..... Within 30 Minutes

ADVANTAGES:
(1). Interior / Exterior Use
(2). Semi-Gloss Finish
(3). Meets TT-E-529G Type II
(4). Full Color Range, 595 Colors
(5). Hard Baked Finish.

USES:
(1). Steel
(2). Machinery
(3). Tanks
(4). Parts
(5). Equipment

TECHNICAL DATA SHEET
TT-E-529G ALKYD
TYPE II BAKING
PAGE 2 OF 2

APPLICATION & REDUCTION:
TT-E-529G Type II Enamel can be applied by brush or spray but is designed primarily for spray application. Thin with Griggs T0123 Griggs Baking Enamel Reducer at 40%-45% by volume for spray application. Spray one tack coat followed by one full wet coat. Allow part to air dry for 30-45 minutes at room temperature. Pre-heat oven to 250-300 Degrees Fahrenheit, place part in oven and bake for 30-45 minutes.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.
Keep away from heat and open flame.
KEEP OUT OF THE REACH OF CHILDREN.
Do not take internally.
Avoid breathing vapor or mist.
Do not use in tank or pit without proper protection.
Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
MIL-DTL-24631 TY.II

PRODUCT: An exterior grade polyester urethane paint formulated to meet MIL-DTL-24631A per Navy formula 187.

DESCRIPTION: **MIL-DTL-24631A TY.II**
is a two part, exterior grade, polyester urethane coating for use by the Naval Sea Systems Command and the Department of the Navy.

COLOR..... Black

MIXING: Thoroughly mix both components before combining at a ratio of 4 parts Component A to 1 part Component B. Mix no more than can be applied within an 8 hour work day.

ADVANTAGES:
(1). Exterior Durability
(2). Meets MIL-DTL-24631/7
(3). Resistant Exterior Elements
(4). Excellent Color Retention

APPLICATION: May be applied by spraying or brushing. Thin with MIL-T-81772B TY.I as needed for proper atomization and brushability.

TECHNICAL DATA SHEET
TT-P-26C FIRE-RETARDANT COATING

PRODUCT: A government specification, single component, fire-retardant paint formulated to meet TT-P-26C.

DESCRIPTION: **TT-P-26C** is a fire-retardant coating that is resistant to burning and flaming per ASTM D-1360 with a flame spread rating of not more than 25 and a smoke development rating of not more than 50.

PROPERTIES:

COLORS..... Per Fed-Std 595B
FINISH..... Lusterless
FINENESS OF GRIND..... 3 Minimum
SPECULAR GLOSS..... 12 Maximum
LEAD CONTENT..... 0.5 Maximum

DRYING TIMES:

TO TOUCH..... 4 Hours
DRY HARD..... 18 Hours

ADVANTAGES:

(1). Fire-Retardant Properties
(2). Meets TT-P-26C (PT-209C)
(3). Resistant to Burning
(4). Air Dry Lusterless Finish

USES:

(1). Aerospace Applications
(2). Submarines
(3). Factories
(4). Industrial Facilities

APPLICATION: Apply by brush, roller or spray methods. For brush and roll, thin with Mineral Spirits Reduce at 10% by volume. For spray application, thin with Xylene at 10-15% by volume.

TECHNICAL DATA SHEET
MIL-DTL-24631/1C
BLACK EPOXY COATING

PRODUCT DESCRIPTION:

A flexible two-component black epoxy paint per MIL-DTL-24631/1C(SH) Type I. Suitable for camouflage use per Navy Formula 184. It is low "VOC" and lead/chromate free.

TYPICAL PROPERTIES:

(1). **COLOR**..... Black
(2). **SHELF LIFE**..... 1 Year From Date of Mfg
(3). **DRYING TIME:**
Set-To-Touch: Within 6 Hours
Dry Hard: Within 24 Hours
(4). **Thinner**..... MIL-T-81772B Ty.II
(5). **Gloss Values:**
Gloss: 20 maximum
(6). **Fineness of Grind:**
Minimum Hegman 5
(7). **VOLATILE ORGANIC COMPOUNDS: Mixed Components**
Max "VOC": 340 grams/liter (2.8 pounds/gallon)

APPLICATION AND REDUCTION: (SPRAYING)

Each of the two components should be thoroughly mixed separately . Component B is then slowly poured into Component A with constant stirring until a one-to-one ratio is achieved. Reduce the admixed material per spray equipment specifications to achieve a viscosity for proper atomization and spraying. Mix thoroughly and allow to stand 30-45 minutes before using to allow for induction time of the two components.

TECHNICAL DATA SHEET
MIL-C-450C BITUMINOUS COATING

PRODUCT DESCRIPTION:

A bituminous, asphalt solvent type coating for application on the interior surfaces of ammunition items such as bombs, shells, rockets, and mines prior to being filled with explosives.

TYPICAL PROPERTIES:

(1). **COLOR**..... Black
(2). **SHELF LIFE**..... 1 Year From Date of Mfg
(3). **DRYING TIME:**
TYPE I: Tack Free - Within 30 Minutes
TYPE II: Tack Free - Within 1 Hour TYPE III: Tack Free - Within 8 Hours * Drying times will be affected by ambient or substrate temperatures, excessive film build thicknesses, or insufficient ventilation.
(4). **SOLIDS(WEIGHT):**..... 45 - 55%
(5). **VISCOSITY:** (#4 Ford Cup)
TYPE I: 15 - 28 Seconds
TYPE II: 120 - 190 Seconds
TYPE III: 150 - 250 Seconds

APPLICATION AND REDUCTION:

Mix thoroughly before use. Thin with Xylol for brushing or spraying up to 1 pint per gallon as needed for proper flow and atomization. May be used directly on properly prepared, clean, metal substrates. For conventional spraying, a minimum 3/8" I.D., 50' maximum material hose and .086" I.D. fluid tip and appropriate air cap is recommended. For airless spraying, a minimum 3/8" I.D. material hose and .023-.035" spray tip size, 2300-2500 output psi, is recommended. For brushing, use a medium bristle brush. For rolling, use a lambskin or equivalent quality cover with a short nap(1/4" - 3/8")

TECHNICAL DATA SHEET
A-A-2962 TY.I, CL.A
SEMI-GLOSS ALKYD ENAMEL

PRODUCT: An exterior grade, semi-gloss alkyd enamel formulated for low "VOC" content.

PROPERTIES: COLORS..... Fed Std. 595B
VOLATILE ORGANIC COMPOUNDS..... 420 G/L Maximum

ADVANTAGES:
(1). Exterior Grade
(2). Semi-Gloss Finish
(3). Meets A-A-2962
(4). Full Color Range, 595 Colors

USES:
(1). Steel
(2). Machinery
(3). Tanks
(4). Wood
(5). Equipment
(6). Towers

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application.

PRECAUTIONS:

Contents are FLAMMABLE.
Keep away from heat and open flame.
KEEP OUT OF THE REACH OF CHILDREN.
Do not take internally.
Avoid breathing vapor or mist.
Do not use in tank or pit without proper protection.
Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
MIL-C-450C BITUMINOUS COATING

PRODUCT DESCRIPTION:

A bituminous, asphalt solvent type coating for application on the interior surfaces of ammunition items such as bombs, shells, rockets, and mines prior to being filled with explosives.

TYPICAL PROPERTIES:

(1). **COLOR**..... Black

(2). **SHELF LIFE**..... 1 Year From Date of Mfg

(3). **DRYING TIME:**
TYPE I: Tack Free - Within 30 Minutes
TYPE II: Tack Free - Within 1 Hour
TYPE III: Tack Free - Within 8 Hours * Drying times will be affected by ambient or substrate temperatures, excessive film build thicknesses, or insufficient ventilation.

(4). **SOLIDS(WEIGHT):**..... 45 - 55%

(5). **VISCOSITY:** (#4 Ford Cup)
TYPE I: 15 - 28 Seconds
TYPE II: 120 - 190 Seconds
TYPE III: 150 - 250 Seconds

APPLICATION AND REDUCTION:

Mix thoroughly before use. Thin with Xylol for brushing or spraying up to 1 pint per gallon as needed for proper flow and atomization. May be used directly on properly prepared, clean, metal substrates. For conventional spraying, a minimum 3/8" I.D., 50' maximum material hose and .086" I.D. fluid tip and appropriate air cap is recommended. For airless spraying, a minimum 3/8" I.D. material hose and .023-.035" spray tip size, 2300-2500 output psi, is recommended. For brushing, use a medium bristle brush. For rolling, use a lambskin or equivalent quality cover with a short nap(1/4" - 3/8")

TECHNICAL DATA SHEET
BLOCK OUT LACQUER
FLAT BLACK #37038

PRODUCT: A very high opacity, low "VOC", nitrocellulose lacquer with excellent block-out characteristics. This lacquer will obliterate most markings with a single coat. Fast dry will allow multiple coats to be applied quickly for fast production time. Can be used on a variety of substrates including metal, wood and fiberboard.

PROPERTIES:

COLOR	#37038 Black(Hi-Hide)
GRIND	Not Under 5.0
VOC	309 G/L
WEIGHT/GAL	9.7 - 9.9 LB/GAL

DRYING TIME AT 75 DEGREES F:

DUST FREE:	3 - 5 MINUTES
DRY HARD:	WITHIN 40 MINUTES

USES:

(1). Stencil Block-Out
(2). Obliterating Coating
(3). Metal Surfaces
(4). Wood Surfaces
(5). Cardboard Surfaces

APPLICATION & REDUCTION:

Griggs Block-Out Lacquer is fast dry and is best applied by spray application. Thin approximately 10% by volume with TT-T-266D Thinner. Small areas may be brushed or rolled. Thin with MIL-T-81772B Type III as needed to improve flow properties for brush and roll applications.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
TT-V-109C PHENOLIC
SPAR VARNISH

PRODUCT DESCRIPTION:

A clear, air-drying alkyd varnish for interior use.

TYPICAL PROPERTIES:

(1). COLOR..... CLEAR
(2). **DRYING TIMES:**
Dry Hard..... Within 18 Hours
Set-to-Touch..... Within 3 Hours
(3). VEHICLE TYPE..... Modified Alkyd
(4). SHELF LIFE..... 1 Year From Date/Mfg
(5). NON-VOLATILE(Weight)..... 44% Minimum

APPLICATION AND REDUCTION:

TT-V-109C is normally applied by brush, roll or spray methods. Thin up to 15% by volume with Mineral Spirits as needed for proper flow and atomization.

TECHNICAL DATA SHEET
TT-C-542E CLEAR
MOISTURE CURE URETHANE

PRODUCT: A single component polyurethane coating formulated for excellent exterior durability and gloss retention. This coating meets TT-C-542E Type I, Class A.

DESCRIPTION: Griggs TT-C-542E POLYURETHANE Coating is a single component moisture-cured product that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical, weather, water and abrasion resistant coating is required.

PROPERTIES:

SOLIDS(Weight)..... 35 - 40%

VISCOSITY..... 50 - 200 CPS

COLOR.....Clear **

TACK FREE..... 2 Hours

DRY THROUGH..... 5 Hours

** AVAILABLE IN CLEAR ONLY **

ADVANTAGES:

(1). Excellent Exterior Durability
(2). Abrasion Resistant
(3). Chemical Resistant
(4). Water Resistant
(5). Resistant to Corrosive Fumes

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or grease. Greasy or oily surfaces should be solvent cleaned with care taken not to paint over moist or wet surfaces.

APPLICATION: Griggs TT-C-542E TYPE I, CLASS A Coating can be brushed rolled or sprayed. If thinning is required, use Griggs MIL-T-81772B Polyurethane Thinner.

PRECAUTIONS:

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

CONTENTS ARE FLAMMABLE.

TECHNICAL DATA SHEET
MIL-V-16399A TY.B VARNISH,
MOISTURE PROOF

PRODUCT DESCRIPTION:

A moisture proof, clear gloss varnish composed of a tung oil and phenolic resin vehicle base. Intended for use in the sealing and moisture proofing of small explosive devices. Provides a hard, abrasion resistant, moisture proofing film when the coating is fully cured.

TYPICAL PROPERTIES:

COLOR..... Clear Gloss
SOLIDS..... Minimum 50%

DRYING TIMES:

SET-TO-TOUCH..... Within 2 Hours
DRY HARD..... Within 8 Hours
(Drying times will be affected by temperature, humidity and applied film thickness)

APPLICATION AND REDUCTION:

Apply to clean dry surfaces by brush, roll or spray application. Reduce with Xylene, up to one pint per gallon, as needed for proper flow and/or atomization.

STORAGE:

Store Indoors at room temperature.

Keep away from heat, sparks and open flame.

Read MSDS before use. For industrial use only.

TECHNICAL DATA SHEET
MIL-V-12276D TY.II VARNISH,
PHENOLIC BAKING

PRODUCT DESCRIPTION:

A baking type, pigmented, semi-transparent phenolic varnish. It is intended for use as a protective finish for lining munitions, chemical and other containers requiring special protection.

TYPICAL PROPERTIES:

COLOR..... Blue in package, Green after bake
SOLIDS..... Minimum 24%

DRYING CYCLE:

After air drying for one hour, the coated parts should be baked until the resin coating exhibits a distinct green coloration. Lab test procedures call for the metal panels to be baked at 325 Degrees F +/- 5 Degrees, however, the size and shape of the parts may require deviation from this schedule in order to obtain full cure and hardness.

APPLICATION AND REDUCTION:

Normal application is dipping or spraying at packaged viscosity. Apply to a dry film thickness of 0.4 to 0.6 mils. If necessary, thinning may be done with T0113 Reducer not to exceed one-half pint per gallon.

STORAGE:

Store Indoors at room temperature.

Keep away from heat, sparks and open flame.

Read MSDS before use. For industrial use only.

TECHNICAL DATA SHEET
MIL-C-17504C CLEAR
ACRYLIC COATING

PRODUCT DESCRIPTION:

A single component, clear acrylic plastic coating for use as a protective coating. Formulated for the protection and sealing of substrates. Provides resistance to water, sunlight, chemicals and abrasion. Available in bulk liquid form and in aerosol cans.

TYPICAL PROPERTIES:

(1). **COLOR**..... Clear
(2). **SHELF LIFE**..... 1 Year From Date of Mfg
(3). **DRYING TIME:**
Set-To-Touch: Within 8 Minutes
Dry Hard: Within 8 Hours
(4). **Thinner**..... MIL-T-81772B Ty.III
(5). **VISCOSITY:**
#4 Ford Cup: 22 seconds maximum @ 77 Deg F

APPLICATION AND REDUCTION:

Reduce with MIL T 81772B TY.III Thinner as needed to achieve proper flow and leveling. Spray application is the recommended method, however, small areas may be brushed. Several coats may be required for porous substrates. Let each coat thoroughly dry before application of subsequent coats.

TECHNICAL DATA SHEET
MIL-P-21563B
PAINT, FLUORESCENT

PRODUCT DESCRIPTION:

A high visibility, durable, exterior, fluorescent paint system including a clear overlay coating containing UV and weather stabilizer which is sold separate from the pigmented fluorescent base coat.

TYPICAL PROPERTIES:

(1). **VEHICLE**..... High Grade Acrylic Resin
(2). **NON-VOLATILE(COLORS)**..... 52% Minimum
(3). **GRIND**..... 5 Minimum
(4). **DRYING TIME**..... Within 1 Hour
(5). **COLORS**..... Clear, Fluo.Red-Orange, Fluo.Yellow Orange

DIRECTIONS FOR USE:

MIL-P-21563B is a single-component paint and ready for use. Thin with TT-X-916 Xylol as needed for proper atomization of paint. Surface to be coated must be clean and free of all dirt and contaminants.

TECHNICAL DATA SHEET
TT-E-485F COMP.G

PRODUCT: A rust inhibiting semigloss enamel formulated to meet TT-E-485F Comp.G specification.

DESCRIPTION: *TT-E-485F Composition G* is a semigloss rust inhibiting enamel for use on metal as a one or two coat primer/finishing coating system available in four types.

TYPE I: Dip Application
TYPE II: Brush & Roller Application
TYPE III: Roller Coat Application
TYPE IV: Flash Dry Application

PROPERTIES:

COLOR..... #24084 Olive Drab
FINISH..... Semi-Gloss
SOLIDS(Weight)..... 56 - 75%
PIGMENT(Weight)..... 30 - 55%
VISCOSITY(#4 Ford Cup)..... 75 - 200 Secs

DRYING TIMES:

TO TOUCH..... Within 3 Hours
DRY THROUGH..... Within 16 Hours
DRY HARD..... Within 72 Hours

ADVANTAGES:

(1). Rust Inhibiting
(2). Primer / Topcoat System
(3). Resistant to Abrasion
(4). Air Dry

USE: Properly prepared metal surfaces.

APPLICATION: Apply by brush, roller or spray methods. For brush and roll, thin with MIL-T-81772B Type III up to one pint per gallon. For spray application, thin with MIL-T-81772B Type III at 10-15% by volume or for proper atomization.

TECHNICAL DATA SHEET
A-A-2962A TY.I, CL.B
LUSTERLESS ALKYD ENAMEL

PRODUCT: An exterior grade, lusterless alkyd enamel formulated for low "VOC" content.

PROPERTIES: COLORS..... Fed Std. 595B
VOLATILE ORGANIC COMPOUNDS... 420 G/L Maximum

ADVANTAGES:
(1). Exterior Grade
(2). Lusterless Finish
(3). Meets A-A-2962A
(4). Full Color Range, 595 Colors

USES:
(1). Steel
(2). Machinery
(3). Tanks
(4). Wood
(5). Equipment
(6). Towers

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application.

PRECAUTIONS:

Contents are FLAMMABLE.
Keep away from heat and open flame.
KEEP OUT OF THE REACH OF CHILDREN.
Do not take internally.
Avoid breathing vapor or mist.
Do not use in tank or pit without proper protection.
Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
MIL-P-52108A PAINT,
STENCIL/OBLITERATING

PRODUCT DESCRIPTION:

One type of waterbase, acrylic emulsion paint for stenciling, obliterating markings and for service color markings on wood and fiberboard containers.

TYPICAL PROPERTIES:

(1). COLORS..... 30277, 37038, 33538, 37875
(2). **DRYING TIME:**
Dust Free..... Within 15 Minutes
Dry Through..... Within 60 Minutes
(3). VEHICLE TYPE..... Acrylic Emulsion
(4). GLOSS(60 Degree)..... Not Over 10
(5). VISCOSITY(Packaged)..... 72 - 82 KU

APPLICATION AND REDUCTION:

Griggs MIL-P-52108A is normally used at packaged consistency or can be reduced with clean tap water if required for applicator preference. May be applied by brush, roller, conventional or airless spray methods.

PRECAUTIONS:

KEEP FROM FREEZING.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
700H88 TT-L-32A
SEMIGLOSS COBBLESTONE
PAGE 1 OF 2

PRODUCT: A very high quality nitrocellulose lacquer with good exterior durability and gloss. New "HAPS" free formulation. This lacquer originally was designed as an aircraft finishing material, but it is now specified wherever a quality nitrocellulose finishing lacquer is required.

PROPERTIES:

COLORS..... Cobblestone
GRIND..... Not Under 7.0
PIGMENT CONTENT..... Not Under 45%
VISCOSITY(Reduced)#4 Ford Cup..... Not Over 20 Sec.
HYDROCARBONS..... Not Over 50%
GLOSS..... Semigloss Finish

DRYING TIME AT 75 DEGREES F:

DUST FREE: 3 - 5 MINUTES
DRY HARD: WITHIN 40 MINUTES

USES:

(1). Aerospace Applications
(2). Machinery
(3). Steel Surfaces
(4). Equipment
(5). Office Equipment
(6). Computer Cabinets

APPLICATION & REDUCTION:

TT-L-32A should only be applied by spray application due to its fast dry properties. Thin one part TT-L-32A with approximately 2 parts MIL-T-81772B TY.III Thinner. Spray one tack coat followed by one full wet coat being sure to keep a "wet edge" for maximum smooth finish.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of lacquer. Prime per specification requirements.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
TPD-24607 NON-FLAMING ENAMEL

PRODUCT: A government specification, non-flaming enamel formulated to meet TPD-24607.

DESCRIPTION: **TPD-24607 NON-FLAMING ENAMEL** is a non-flaming coating that is resistant to burning and flaming per ASTM E-162with a maximum flame index of less than 20.

PROPERTIES:

COLORS	Per Fed-Std 595B
FINISH	Semigloss
SOLIDS(Weight)	79- 82%
PIGMENT(Weight)	52 - 54%
VISCOSITY	80 - 90 KU
DRYING TIMES:	
TO TOUCH	2 Hours
DRY HARD	5 hours

ADVANTAGES:
(1). Non-Flaming Properties
(2). Meets TPD-24607
(3). Resistant to Burning
(4). Air Dry-Semigloss Finish

USES:
(1). Aerospace Applications
(2). Submarines
(3). Factories
(4). Industrial Facilities

APPLICATION: Apply by brush, roller or spray methods. For brush and roll, thin with Mineral Spirits Reduce at 10% by volume. For spray application, thin with Xylene at 10-15% by volume.

TECHNICAL DATA SHEET
MIL-R-3043B
PERMANENT RESIN COATING

PRODUCT DESCRIPTION:

A thermosetting resin coating for surfaces of engine components and metal parts. Dyed to a semi- transparent blue color which changes to green upon proper baking.

TYPICAL PROPERTIES:

COLOR..... Blue in package, Green after bake
SOLIDS(Volume)..... 13 - 14%

DRYING CYCLE:

After air drying for one hour, the coated parts should be baked until the resin coating exhibits a distinct green coloration. Test procedures call for the metal panels to be baked at 325 Degrees F +/- 5 Degrees, however, the size and shape of the parts may require deviation from this schedule in order to obtain full cure and hardness.

APPLICATION AND REDUCTION:

Normal application is dipping or spraying at packaged viscosity. Apply to a dry film thickness of 0.5 to 0.7 mils. If necessary, thinning may be done with MIL-T-81772B Type 3 or MIL-T-18362 not to exceed 5% by volume.

STORAGE:

Store Indoors at room temperature.

Keep away from heat, sparks and open flame.

Read MSDS before use.

For industrial use only.

TECHNICAL DATA SHEET
DOD-24607 NON-FLAMING ENAMEL

PRODUCT: A government specification, non-flaming enamel formulated to meet DOD-24607.

DESCRIPTION: **DOD-24607 NON-FLAMING ENAMEL** is a non-flaming coating that is resistant to burning and flaming.

PROPERTIES:
COLORS..... Per Fed-Std 595B
FINISH..... Semigloss
SOLIDS(Weight)..... 79- 82%
PIGMENT(Weight)..... 52 - 54%
VISCOSITY..... 80 - 90 KU
DRYING TIMES:
TO TOUCH..... 2 Hours
DRY HARD..... 5 hours

ADVANTAGES:
(1). Non-Flaming Properties
(2). Meets DOD-24607
(3). Resistant to Burning
(4). Air Dry-Semigloss Finish

USES:
(1). Aerospace Applications
(2). Submarines
(3). Factories
(4). Industrial Facilities

APPLICATION: Apply by brush, roller or spray methods. For brush and roll, thin with Mineral Spirits Reduce at 5% by volume. For spray application, thin with Xylene up to 10% by volume.

TECHNICAL DATA SHEET
MIL-E-22118B
ENAMEL, ELECTRICAL-INSULATING

PRODUCT: A government specification, synthetic insulating enamel formulated to meet MIL-E-22118B.

DESCRIPTION: **MIL-E-22118B ENAMEL, ELECTRICAL-INSULATING** is one type and grade of synthetic insulating enamel for use on electrical equipment and for general purpose use.

PROPERTIES:

COLOR	Red
FINISH	Semigloss
SOLIDS(Weight)	58 - 60%
PIGMENT(Weight)	25 - 27%
VISCOSITY	61 - 69 KU

DRYING TIMES:

TACK FREE	1/2 Hour
DRY THROUGH	5 hours

ADVANTAGES:
(1). Electrical Insulating Properties
(2). Meets MIL-E-22118B
(3). General Purpose Enamel
(4). Air Dry or Bake Finish

APPLICATION: Apply by brush, roller, dipping or spray. For brush and roll, thin with TT-T-306C, Reduce at 10% by volume. For spray and dip application, thin with Xylene at 10-15% by volume.

Dries through within 2 hours. May be baked after air dry for 1/2 hour. Bake at 225-250 Degrees Fahrenheit for 30-45 minutes. Always PRE-HEAT the oven.

TECHNICAL DATA SHEET
700W11 TT-L-32A
GLOSS LACQUER
PAGE 1 OF 2

PRODUCT: A very high quality nitrocellulose lacquer with good exterior durability and gloss. New "HAPS" free formulation. This lacquer originally was designed as an aircraft finishing material, but it is now specified wherever a quality nitrocellulose finishing lacquer is required. The clear may be aluminized (12 ounces of TT-P-320D Aluminum Paste per gallon of clear) to obtain an excellent aluminum lacquer.

PROPERTIES:

COLORS..... All Fed-Std 595B
GRIND..... Not Under 7.0
PIGMENT CONTENT..... Not Under 45%
VISCOSITY(Reduced)#4 Ford Cup..... Not Over 20 Sec.
HYDROCARBONS..... Not Over 50%

DRYING TIME AT 75 DEGREES F:

DUST FREE: 3 - 5 MINUTES
DRY HARD: WITHIN 40 MINUTES

USES:

(1). Aerospace Applications
(2). Machinery
(3). Steel Surfaces
(4). Equipment
(5). Office Equipment
(6). Computer Cabinets

TECHNICAL DATA SHEET
700W11 TT-L-32A
GLOSS LACQUER
PAGE 2 OF 2

APPLICATION & REDUCTION:

TT-L-32A should only be applied by spray application due to its fast dry properties. Thin one part TT-L-32A with approximately 2 parts MIL-T-81772B TY.III Thinner. Spray one tack coat followed by one full wet coat being sure to keep a "wet edge" for maximum gloss finish.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of gloss lacquer. Primer per specification requirements.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
DOD-24607A NON-FLAMING ENAMEL

PRODUCT: A government specification, non-flaming enamel formulated to meet DOD-24607A.

DESCRIPTION: **DOD-24607A NON-FLAMING ENAMEL** is a non-flaming coating that is resistant to burning and flaming.

PROPERTIES:

COLORS..... Per Fed-Std 595B
FINISH..... Semigloss
SOLIDS(Weight)..... 79- 82%
PIGMENT(Weight)..... 52 - 54%
VISCOSITY..... 80 - 90 KU
DRYING TIMES:
TO TOUCH..... 2 Hours
DRY HARD..... 5 hours

ADVANTAGES:

(1). Non-Flaming Properties
(2). Meets DOD-24607A
(3). Resistant to Burning
(4). Air Dry-Semigloss Finish

USES:

(1). Aerospace Applications
(2). Submarines
(3). Factories
(4). Industrial Facilities

APPLICATION: Apply by brush, roller or spray methods. For brush and roll, thin with Mineral Spirits Reduce at 10% by volume. For spray application, thin with Xylene at 10-15% by volume. Apply to a dry film thickness of 1.5 - 2.0 mils.

TECHNICAL DATA SHEET
700W55 MIL-L-19537C
ACRYLIC NITRO-CELLULOSE
GLOSS LACQUER
PAGE 1 OF 2

PRODUCT: A general purpose exterior protective coating for metal surfaces. MIL-L-19537C is particularly formulated for resistance to diester lubricating oil, and is primarily intended for spray application. Available in all gloss Fed-Std 595B colors.

PROPERTIES:

COLORS..... All Fed-Std 595B
GRIND..... Not Under 7.5
NON-VOLATILE..... Not Under 40%
VISCOSITY(Reduced)#4 Ford Cup..... Not Over 20 Sec.

DRYING TIME AT 75 DEGREES F:

DRY HARD: WITHIN 40 MINUTES

USES:

(1). Aerospace Applications
(2). Machinery
(3). Steel Surfaces
(4). Equipment
(5). Office Equipment
(6). Computer Cabinets

TECHNICAL DATA SHEET
700W55 MIL-L-19537C
ACRYLIC NITRO-CELLULOSE
GLOSS LACQUER

APPLICATION & REDUCTION:

MIL-L-19537C should only be applied by spray application due to its fast dry properties. Thin one part MIL-L-19537C with approximately 2 parts MIL-T-81772B TY.III Thinner. Spray one tack coat followed by one full wet coat being sure to keep a "wet edge" for maximum gloss finish.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of gloss lacquer. Prime per specification requirements.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
TT-P-1411A CEMENTITIOUS PAINT

PRODUCT: A government specification, cementitious paint formulated to meet TT-P-1411A.

DESCRIPTION: TT-P-1411A PAINT,COPOLYMER-RESIN, CEMENTITIOUS is a waterproofing coating for concrete and masonry walls.

PROPERTIES:

COLORS	FULL RANGE
FINISH	LUSTERLESS
PIGMENT(Weight)	61 - 65%
VEHICLE(Weight)	36 - 40%
VISCOSITY	100 - 120 KU

DRYING TIMES:

TO TOUCH	1 Hour
DRY HARD	3 hours

ADVANTAGES:
(1). Waterproofing Properties
(2). Meets TT-P-1411A
(3). Resistant to Mold & Mildew
(4). Air Dry Lusterless Finish

USES:
(1). Masonry
(2). Walls
(3). Cement
(4). Industrial Facilities

APPLICATION: Apply by brush, roller or spray methods. For brush and roll, thin with Mineral Spirits Reduce at 10% by volume. For spray application, thin with Xylene at 10-15% by volume.

TECHNICAL DATA SHEET
MIL-PRF-24635C TY.II, CL.2
SILICONE ALKYD ENAMEL
PAGE 1 OF 2

PRODUCT: An air-dry, low VOC, silicone enamel conforming to MIL-PRF-24635C Type II, Cl.2. It is highly weather resistant with excellent color and gloss retention.

DESCRIPTION: A high grade copolymerized silicone alkyd semigloss enamel intended for use on primed smooth metal surfaces, reinforced plastic, wood and plastic/composite surfaces. It is highly weather resistant and has superior color and gloss retention. Available in color number 26270 per FED.STD 595B, Navy Haze Gray and others as required.

PROPERTIES:

COLORS	Fed.Std 595B
SOLIDS(Weight)	Minimum 63%
VISCOSITY	67 - 77 KU
GLOSS(60 Deg)	45 - 60%
DRYING TIMES:	
SET-TO-TOUCH	2 HOURS MAX
DRY HARD	8 HOURS MAX
VOLATILE ORGANIC COMPOUNDS	340 G/L MAX
RECOMMENDED DRY FILM	2 MILS / COAT
VEHICLE TYPE	SILICONE ALKYD

ADVANTAGES:
(1). Excellent Weather Resistance.
(2). Meets MIL-PRF-24635C Ty.II, Cl.2
(3). Excellent Coverage.
(4). Excellent Gloss Retention.
(5). UV Resistant.

USES:
(1). Steel
(2). Machinery
(3). Tanks
(4). Railings
(5). Equipment
(6). Towers

TECHNICAL DATA SHEET
MIL-PRF-24635C TY.II, CL.2
SILICONE ALKYD ENAMEL
PAGE 2 OF 2

APPLICATION & REDUCTION:

MIL-PRF-24635C Ty.II, Cl.2 Silicone Alkyd Enamel may be applied by brush, roll or spray application. For spraying, thin up to eight parts by volume of enamel with one part of thinner in accordance with TT-T-291F or TT-T-306C. For brush or roll, use at packaged consistency or thin only as needed with TT-T-291F for proper flow and ease of application.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination and properly prepared and/or primed before application.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
DC701 WATER REDUCIBLE HIGH GLOSS ACRYLIC ENAMEL

PRODUCT: A high-gloss, waterbase, styrenated acrylic latex formulated for extreme water and corrosion resistance. May be used over marginally rusted surfaces, concrete, masonry and wood.

DESCRIPTION: A high gloss, corrosion resistant, acrylic water reducible enamel for steel. DC701 offers excellent corrosion resistance, early water resistance. Has a high gloss finish for use as a waterbase alternative for maintenance, concrete floors, wood, masonry, steel, railcar and OEM finishes.

PROPERTIES:

COLORS..... Full Range
SOLIDS(Weight)..... 48 - 50%
SOLIDS(Volume)..... 39 - 42%
THEORETICAL COVERAGE..... 630 mil sq.ft/gal
DRY FILM THICKNESS..... 2.0 to 2.5 mils p/coat

DRYING TIME-AT 75 DEGREES F:

TO HANDLE..... 10 - 15 Minutes
TO RECOAT..... 20 - 30 Minutes
VEHICLE TYPE..... Styrenated Acrylic
WEIGHT/GAL..... 9.8 - 10.2 lbs/gal

ADVANTAGES:

(1). Superior Corrosion Resistance
(2). Early Water Resistance
(3). Superior Gloss Development & Retention
(4). Excellent Flash Rust Resistance
(5). Low "VOC" Content
(6). Water Clean-Up
(7). UV Resistant Acrylic Film
(8). Direct-to-Metal Coating

USES:
(1). Steel
(2). Concrete Floors
(3). Wood
(4). Masonry
(5). Equipment
(6). Rail Cars
(7). Tools
(8). Parts

APPLICATION & REDUCTION:
DC701 Water-Reducible Acrylic Enamels can be reduced with water up to 20% by volume for spraying applications. For high build applications, however, they can be used as packaged. Thin as needed with water for smooth flow and leveling of the paint film.

SURFACE PREPARATION:
Surface must be clean, dry and free of all contamination before application. Remove any rust-scale by power or hand tool cleaning.

STEEL:
Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

KEEP FROM FREEZING.

TECHNICAL DATA SHEET
DC740 DIPPING ENAMEL
740A29 GRAY
PAGE 1 OF 2

PRODUCT: A water-base, rust-resistant topcoat for ferrous metal. DC740 Dipping Enamels are single- component, modified alkyd coatings formulated for maximum rust prevention.

DESCRIPTION: A high gloss, rust-resistant, dipping grade water reducible enamel for steel. These enamels have an extremely low VOC content. DC740 Dipping Enamels have excellent exterior durability and dry to a hard glossy finish.

PROPERTIES:
COLORS..... Gray & Full Range
(A WIDE RANGE OF CUSTOM COLORS AVAILABLE)
SOLIDS(Volume)..... 28%
THEORETICAL COVERAGE..... 565 mil sq.ft/gal
DRY FILM THICKNESS..... 2.0 to 2.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
TO HANDLE..... 30 Minutes.
TO RECOAT..... 2 Hours
VEHICLE TYPE..... Modified Alkyd
WEIGHT/GAL..... 10.1 lbs/gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

ADVANTAGES:
(1). Low Volatile Organic Compound Content
(2). Excellent Exterior Durability
(3). Hard Glossy Finish
(4). Abrasion Resistant
(5). Water Reducible
(6). Water Clean-Up
(7). Low V.O.C.

USES:
(1). Steel
(2). Machinery
(3). Parts
(4). Tools
(5). Equipment

APPLICATION & REDUCTION:

DC740 Dipping Enamels should be reduced with water up to 20% by volume for smooth dipping flow and leveling. For high build applications, however, they can be used as packaged. Thin as needed with water for smooth flow and leveling of the paint film.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of dipping enamel topcoat.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
DC740 WATER REDUCIBLE
740B09 FLAT BLACK #124042
PAGE 1 OF 2

PRODUCT: A water-base, modified, alkyd coating for industrial applications.

DESCRIPTION: A lusterless, industrial grade, water-reducible modified alkyd enamel formulated for use on wood and other substrates. Provides a uniform flat film that seals and protects with excellent abrasion resistance.

PROPERTIES:

COLOR..... Black
SOLIDS(Weight)..... 36 - 38%
SOLIDS(Volume)..... 25 - 27%
THEORETICAL COVERAGE..... 404 mil sq.ft/gal

DRYING TIME-AT 75 DEGREES F:
TO HANDLE..... 15 - 30 Minutes
TO RECOAT..... 45 - 60 Minutes
VEHICLE TYPE..... Modified Alkyd
WEIGHT/GAL..... 9.0 - 9.5 lbs/gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

ADVANTAGES:

(1). Low Volatile Organic Compound Content
(2). Excellent Durability
(3). Uniform Lusterless Finish
(4). Abrasion Resistant
(5). Water Reducible
(6). Water Clean-Up

USES:

(1). Wood
(2). Particle Board
(3). Composite Board
(4). Plywood
(5). Masonite
(6). Metal
(7). Concrete/Masonry

APPLICATION & REDUCTION:

DC740 Water-Reducible Enamel can be reduced with water up to 35% by volume for spraying applications. For high build applications, however, they can be used as packaged. Thin as needed with water for smooth flow and leveling of the paint film.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of enamel topcoat.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
DC740 WATER REDUCIBLE
MODIFIED ENAMEL #450 TAN
PAGE 1 OF 2

PRODUCT: A water-base, earth tone tan, rust-resistant topcoat for ferrous metal. DC740 Water- Reducible Enamels are single-component, modified alkyd coatings formulated for maximum rust prevention.

DESCRIPTION: A high gloss, earth tone tan color, rust-resistant, industrial grade water reducible enamel for steel. These enamels have an extremely low VOC content. DC740 Water- Reducible Enamels have excellent exterior durability and dry to a hard glossy finish.

PROPERTIES:

COLOR..... #450 Tan
SOLIDS(Weight)..... 45 - 48%
SOLIDS(Volume)..... 29 - 32%
THEORETICAL COVERAGE..... 565 mil sq.ft/gal
DRY FILM THICKNESS..... 2.0 to 2.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
TO HANDLE..... 10 - 20 Minutes
TO RECOAT..... 30 - 35 Minutes
VEHICLE TYPE..... Modified Alkyd
WEIGHT/GAL..... 10.6 lbs/gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

ADVANTAGES:

(1). Low Volatile Organic Compound Content
(2). Excellent Exterior Durability
(3). Hard Glossy Finish
(4). Abrasion Resistant
(5). Water Reducible
(6). Water Clean-Up
(7). Industrial Finish

USES:

(1). Steel
(2). Machinery
(3). Parts
(4). Tools
(5). Equipment

APPLICATION & REDUCTION:

DC740 Water-Reducible Enamels can be reduced with water up to 35% by volume for spraying applications. For high build applications, however, they can be used as packaged. Thin as needed with water for smooth flow and leveling of the paint film.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of enamel topcoat.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
DC740 WATER REDUCIBLE
MODIFIED ENAMEL
PAGE 1 OF 2

PRODUCT: A water-base, rust-resistant topcoat for ferrous metal. DC740 Water-Reducible Enamels are single-component, modified alkyd coatings formulated for maximum rust prevention.

DESCRIPTION: A high gloss, rust-resistant, industrial grade water reducible enamel for steel. These enamels have an extremely low VOC content. DC740 Water-Reducible Enamels have excellent exterior durability and dry to a hard glossy finish.

PROPERTIES:

COLORS..... Full Range
SOLIDS(Weight)..... 45 - 48%
SOLIDS(Volume)..... 29 - 32%
THEORETICAL COVERAGE..... 565 mil sq.ft/gal
DRY FILM THICKNESS..... 2.0 to 2.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
TO HANDLE..... 10 - 20 Minutes
TO RECOAT..... 30 - 35 Minutes
VEHICLE TYPE..... Modified Alkyd
WEIGHT/GAL..... 10.1 lbs/gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

ADVANTAGES:

(1). Low Volatile Organic Compound Content
(2). Excellent Exterior Durability
(3). Hard Glossy Finish
(4). Abrasion Resistant
(5). Water Reducible
(6). Water Clean-Up
(7). Industrial Finish

USES:

(1). Steel
(2). Machinery
(3). Parts
(4). Tools
(5). Equipment

APPLICATION & REDUCTION:

DC740 Water-Reducible Enamels can be reduced with water up to 35% by volume for spraying applications. For high build applications, however, they can be used as packaged. Thin as needed with water for smooth flow and leveling of the paint film.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of enamel topcoat.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
DC740ML WATER REDUCIBL
MODIFIED ENAMEL
PAGE 1 OF 2

PRODUCT: A water-base, rust-resistant topcoat for ferrous metal. DC740ML Water-Reducible Enamels are single-component, modified alkyd coatings formulated for maximum rust prevention.

DESCRIPTION: A high gloss, rust-resistant, industrial grade water reducible enamel for steel. These enamels have an extremely low VOC content. DC740ML Water-Reducible Enamels have excellent exterior durability and dry to a hard glossy finish.

PROPERTIES:
COLORS..... Full Range
SOLIDS(Weight)..... 45 - 48%
SOLIDS(Volume)..... 29 - 32%
THEORETICAL COVERAGE..... 565 mil sq.ft/gal
DRY FILM THICKNESS..... 2.0 to 2.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
TO HANDLE..... 10 - 20 Minutes
TO RECOAT..... 30 - 35 Minutes
VEHICLE TYPE..... Modified Alkyd
WEIGHT/GAL..... 10.1 lbs/gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

ADVANTAGES:
(1). Low Volatile Organic Compound Content
(2). Excellent Exterior Durability
(3). Hard Glossy Finish
(4). Abrasion Resistant
(5). Water Reducible
(6). Water Clean-Up
(7). Industrial Finish

USES:
(1). Steel
(2). Machinery
(3). Parts
(4). Tools
(5). Equipment

APPLICATION & REDUCTION:

DC740ML Water-Reducible Enamels can be reduced with water up to 35% by volume for spraying applications. For high build applications, however, they can be used as packaged. Thin as needed with water for smooth flow and leveling of the paint film.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of enamel topcoat.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
DC740 WATER REDUCIBLE
WHITE PRIMER
PAGE 1 OF 2

PRODUCT: A water-base, high opacity, white primer for ferrous metal. DC740 Water-Reducible Primer is a single-component, modified alkyd coating formulated for maximum rust prevention.

DESCRIPTION: A flat, high-hide industrial grade modified water reducible primer for steel. This primer has an extremely low VOC content. DC740 Flat White Water-Reducible Primer dries to a hard, abrasion resistant film.

PROPERTIES:

COLOR..... Flat White
SOLIDS(Weight)..... 55 - 57%
SOLIDS(Volume)..... 35 - 37%
THEORETICAL COVERAGE..... 568 mil sq.ft/gal
DRY FILM THICKNESS..... 2.0 to 2.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
TO HANDLE..... 10 - 20 Minutes
TO RECOAT..... 30 - 35 Minutes
VEHICLE TYPE..... Modified Alkyd
WEIGHT/GAL..... 11.3 lbs/gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

ADVANTAGES:

(1). Low Volatile Organic Compound Content
(2). Excellent Exterior Durability
(3). Hard Finish
(4). Abrasion Resistant
(5). Water Reducible
(6). Water Clean-Up
(7). Industrial Finish

USES:

(1). Steel
(2). Machinery
(3). Parts
(4). Tools
(5). Equipment

APPLICATION & REDUCTION:

DC740 Water-Reducible White Primer can be reduced with water up to 35% by volume for spraying applications. For high build applications, however, they can be used as packaged. Thin as needed with water for smooth flow and leveling of the paint film.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of enamel topcoat.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
DC740 WATER REDUCIBLE
LEAD-FREE ALKYD ENAMEL
PAGE 1 OF 2

PRODUCT: A water-base, rust-resistant lead/chromate free topcoat for ferrous metal. DC740 Water-Reducible Enamels are single-component, modified alkyd coatings formulated for maximum rust prevention.

DESCRIPTION: A high gloss, rust-resistant, industrial grade water reducible enamel for steel. These enamels have an extremely low VOC content. DC740 Water-Reducible Enamels have excellent exterior durability and dry to a hard glossy finish. Formulated without lead or chromates.

PROPERTIES:

COLORS..... Full Range
SOLIDS(Weight)..... 45 - 48%
SOLIDS(Volume)..... 29 - 32%
THEORETICAL COVERAGE..... 565 mil sq.ft/gal
DRY FILM THICKNESS..... 2.0 to 2.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
TO HANDLE..... 10 - 20 Minutes
TO RECOAT..... 30 - 35 Minutes
VEHICLE TYPE..... Modified Alkyd
WEIGHT/GAL..... 10.1 lbs/gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

ADVANTAGES:

(1). Low Volatile Organic Compound Content
(2). Excellent Exterior Durability
(3). Hard Glossy Finish
(4). Abrasion Resistant
(5). Water Reducible
(6). Lead/Chromate Free
(7). Industrial Finish

USES:

(1). Steel
(2). Machinery
(3). Parts
(4). Tools
(5). Equipment

APPLICATION & REDUCTION:

DC740 Lead-Free Water-Reducible Enamels can be reduced with water up to 30% by volume for spraying applications. For high build applications, however, they can be used as packaged. Thin as needed with water for smooth flow and leveling of the paint film.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of enamel topcoat.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

Keep from freezing.

TECHNICAL DATA SHEET
LACQUER SANDING SEALER

PRODUCT DESCRIPTION:

A fast drying, solvent base nitrocellulose lacquer sanding sealer for wood surfaces. For use on interior wood to be topcoated with clear lacquer finishes.

TYPICAL PROPERTIES:

(1). COLOR..... Clear
(2). **DRYING TIME:** 75 Degrees Fahrenheit
To Touch..... 3 - 5 Minutes
(3). To Sand..... 25 - 30 Minutes
(4). SOLIDS(VOLUME)..... 17 - 19%
(5). THEORETICAL COVERAGE..... 150 - 200 sq.ft/gallon
(6). VEHICLE..... Nitrocellulose Lacquer

APPLICATION AND REDUCTION:

Apply at packaged consistency without thinning. May be applied by brush or spray. If thinning is necessary, reduce with Lacquer Thinner.

TECHNICAL DATA SHEET
LACQUER TOPCOAT
PAGE 1 OF 2

PRODUCT: A very high quality nitrocellulose lacquer with good working properties and flow. This lacquer originally was designed as an aircraft finishing material, but it is now specified wherever a quality nitrocellulose finishing lacquer is required. Available in gloss, semigloss, satin and flat sheens.

PROPERTIES:

COLOR..... Clear
SOLIDS(WEIGHT)..... 28 - 32%*
COVERAGE..... 150 - 300 sq.ft/gal
VISCOSITY(Reduced)#4 Ford Cup..... Not Over 20 Sec.
*Solids content will vary with sheen range.

DRYING TIME AT 75 DEGREES F:

DUST FREE: 3 - 5 MINUTES
DRY HARD: WITHIN 40 MINUTES

USES:

(1). Interior Wood
(2). Furniture
(3). Trim
(4). Doors
(5). Molding
(6). Cabinets

TECHNICAL DATA SHEET
LACQUER TOPCOAT
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Nitrocellulose Lacquer should only be applied by spray application due to its fast dry properties. Thin one part TT L-32A with approximately 2 parts MIL-T-81772B TY.III Thinner. Spray one tack coat followed by one full wet coat being sure to keep a "wet edge" for smooth finish.

SURFACE PREPARATION:

Surface must be clean, dry and free of grease, oil, chalk, dust, and other contaminants. Sand smooth and clean with tack rag or duster. Putty or caulk all holes, dents, scratches and splits after application of primer.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
LACQUER TOPCOAT
PAGE 1 OF 2

PRODUCT: A very high quality nitrocellulose lacquer with good working properties and flow. This lacquer originally was designed as an aircraft finishing material, but it is now specified wherever a quality nitrocellulose finishing lacquer is required. Available in gloss, semigloss and satin sheens.

PROPERTIES:

COLORS..... Full Range
GRIND..... Not Under 7.0
PIGMENT CONTENT..... Not Under 45%
VISCOSITY(Reduced)#4 Ford Cup..... Not Over 20 Sec.

DRYING TIME AT 75 DEGREES F:

DUST FREE: 3 - 5 MINUTES
DRY HARD: WITHIN 40 MINUTES

USES:

(1). Interior Wood
(2). Machinery
(3). Steel Surfaces
(4). Doors
(5). Office Equipment
(6). Computer Cabinets

APPLICATION & REDUCTION:

Griggs Nitrocellulose Lacquer should only be applied by spray application due to its fast dry properties. Thin one part lacquer with approximately 2 parts of high quality Lacquer Thinner. Spray one tack coat followed by one full wet coat being sure to keep a "wet edge" for smooth finish.

SURFACE PREPARATION:

Surface must be clean, dry and free of grease, oil, chalk, dust, and other contaminants. Sand smooth and clean with tack rag or duster. Putty or caulk all holes, dents, scratches and splits after application of primer.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
ACRYLIC LACQUER - VERY LOW VOC
PAGE 1 OF 2

PRODUCT: An exterior acrylic lacquer coating that for protection of metal and wood surfaces with an extremely low "VOC" content and "HAPS" free formulation.

DESCRIPTION: A general purpose, exterior protective acrylic lacquer coating for metal and wood surfaces. This coating is particularly formulated for extremely low "VOC" content and is manufactured without Hazardous Air Pollutants(HAPS). It is resistant to diester lubricating oil and heat Available in gloss, semigloss and lusterless finishes.

PROPERTIES:
COLORS..... Full Range
VOC(Gloss White)..... 93 Grams/Liter
DRY HARD..... Within 40 Minutes
RESISTANT TO:
HEAT
WEATHER
WATER
HYDROCARBONS
LUBRICATING OIL

ADVANTAGES:
(1). Meets MIL-L-81352B TY.I
(2). Weather Resistant
(3). Fast Dry
(4). Full Color Range, 595 Colors
(5). Durable Exterior Coating

USES:
(1). Steel
(2). Machinery
(3). Aircraft
(4). Vehicles
(5). Equipment
(6). Wood Shutters & Furniture

TECHNICAL DATA SHEET
ACRYLIC LACQUER - VERY LOW VOC

APPLICATION & REDUCTION:

Griggs Acrylic Lacquer - Very Low "VOC" can be applied by conventional or airless spray application. For spraying, thin up to 10% or as needed with TT-T-266 Lacquer Thinner or Xylol. For brushing, reduce up to 10% with MIL-T-81772B TY.3 Thinner. Brush small areas only.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
A-423-66 #17038 GLOSS BLACK
EPOXY AMINE COATING

PRODUCT DESCRIPTION:

One type of two-component epoxy based finish coat for the aerospace industry. This product is specifically formulated for industrial aerospace use on metals.

TYPICAL PROPERTIES:

(1). COLOR..... #17038 Gloss Black
(2). **DRYING TIME:**
To Touch..... 1 - 2 Hours
(3). Dry Hard..... Within 8 Hours
To Recoat..... Overnight
(4). VEHICLE TYPE..... Epoxy Amine Adduct
(5). POT LIFE..... 8 Hours @ 80 ºF
(6). SHELF LIFE..... 1 Year From Date/Mfg
(7). **RESISTANCE TO:**
Solvents..... Excellent
Water..... Excellent
Oils/Greases..... Excellent
Alkali..... Excellent
(8). **SPRAYING VISCOSITY:** 18-23 Seconds #1 Zahn Cup.

APPLICATION AND REDUCTION:

A-423-66 is normally applied over well cleaned, primed metal that has been prepared according to Garrett Specifications. Mix one part A-423-66 with one part of the converter provided in the kit. Allow 45 minutes to one hour wetting time. Spray one cross coat to achieve a dry film thickness of 0.3- 0.5 mils. Use admixed material within 8 hours. Dry to touch in 30 minutes, to handle in 4 hours and to recoat within 12 -18 hours. For baking, allow at least one hour for solvent release, and bake at 180 - 200 degrees Fahrenheit for 45 to 60 minutes.

TECHNICAL DATA SHEET
A-423-66 CLEAR
EPOXY AMINE COATING

PRODUCT DESCRIPTION:

One type of two-component epoxy based finish coat for the aerospace industry. This product is specifically formulated for industrial aerospace use on metals.

TYPICAL PROPERTIES:

(1). COLOR..... Clear Gloss
(2). **DRYING TIME:**
To Touch..... 1 - 2 Hours
(3). Dry Hard..... Within 8 Hours
To Recoat..... Overnight
(4). VEHICLE TYPE..... Epoxy Amine Adduct
(5). POT LIFE..... 8 Hours @ 80 ºF
(6). SHELF LIFE..... 1 Year From Date/Mfg
(7). **RESISTANCE TO:**
Solvents..... Excellent
Water..... Excellent
Oils/Greases..... Excellent
Alkali..... Excellent
(8). **SPRAYING VISCOSITY:** 18-23 Seconds #1 Zahn Cup.

APPLICATION AND REDUCTION:

A-423-66 is normally applied over well cleaned, primed metal that has been prepared according to Honeywell(Allied Signal)Specifications. Mix one part A-423-66 with one part of the converter provided in the kit. Allow 45 minutes to one hour wetting time. Spray one cross coat to achieve a dry film thickness of 0.3- 0.5 mils. Use admixed material within 8 hours. Dry to touch in 30 minutes, to handle in 4 hours and to recoat within 12 -18 hours. For baking, allow at least one hour for solvent release, and bake at 180 - 200 degrees Fahrenheit for 45 to 60 minutes.

TECHNICAL DATA SHEET
A-423-66 #082 MUNSELL BLUE
EPOXY AMINE COATING

PRODUCT DESCRIPTION:

One type of two-component epoxy based finish coat for the aerospace industry. This product is specifically formulated for industrial aerospace use on metals.

TYPICAL PROPERTIES:

(1). COLOR..... #082 Gloss Munsell Blue
(2). **DRYING TIME:**
To Touch..... 1 - 2 Hours
(3). Dry Hard..... Within 8 Hours
To Recoat..... Overnight
(4). VEHICLE TYPE..... Epoxy Amine Adduct
(5). POT LIFE..... 8 Hours @ 80 ºF
(6). SHELF LIFE..... 1 Year From Date/Mfg
(7). **RESISTANCE TO:**
Solvents..... Excellent
Water..... Excellent
Oils/Greases..... Excellent
Alkali..... Excellent
(8). **SPRAYING VISCOSITY:** 18-23 Seconds #1 Zahn Cup.

APPLICATION AND REDUCTION:

A-423-66 is normally applied over well cleaned, primed metal that has been prepared according to Garrett Specifications. Mix one part A-423-66 with one part of the converter provided in the kit. Allow 45 minutes to one hour wetting time. Spray one cross coat to achieve a dry film thickness of 0.3- 0.5 mils. Use admixed material within 8 hours. Dry to touch in 30 minutes, to handle in 4 hours and to recoat within 12 -18 hours. For baking, allow at least one hour for solvent release, and bake at 180 - 200 degrees Fahrenheit for 45 to 60 minutes.

TECHNICAL DATA SHEET
A-423-66 #16492 GRAY
EPOXY AMINE COATING
NPC61624, NPC61678

PRODUCT DESCRIPTION:

One type of two-component epoxy based finish coat for the aerospace industry. This product is specifically formulated for industrial aerospace use on metals.

TYPICAL PROPERTIES:

(1). COLOR..... #16492 Gray
(2). **DRYING TIME:**
To Touch..... 1 - 2 Hours
(3). Dry Hard..... Within 8 Hours
To Recoat..... Overnight
(4). VEHICLE TYPE..... Epoxy Amine Adduct
(5). POT LIFE..... 8 Hours @ 80 ºF
(6). SHELF LIFE..... 1 Year From Date/Mfg
(7). **RESISTANCE TO:**
Solvents..... Excellent
Water..... Excellent
Oils/Greases..... Excellent
Alkali..... Excellent
(8). **SPRAYING VISCOSITY:** 18-23 Seconds #1 Zahn Cup.

APPLICATION AND REDUCTION:

A-423-66 is normally applied over well cleaned, primed metal that has been prepared according to Garrett Specifications. Mix one part A-423-66 with one part of the converter provided in the kit. Allow 45 minutes to one hour wetting time. Spray one cross coat to achieve a dry film thickness of 0.3- 0.5 mils. Use admixed material within 8 hours. Dry to touch in 30 minutes, to handle in 4 hours and to recoat within 12 -18 hours. For baking, allow at least one hour for solvent release, and bake at 180 - 200 degrees Fahrenheit for 45 to 60 minutes.

STORAGE:

Store Indoors at room temperature. Keep away from heat, sparks and open flame.

TECHNICAL DATA SHEET
#356 POLYURETHANE
PAGE 1 OF 2

PRODUCT: A two-component polyurethane coating.

DESCRIPTION: Griggs #356 Polyurethane Coating is a two- component chemically cured product that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant coating is required. This coating is available in a 1:1 mixture for spray applications and a 4:1 ratio for brush and roll applications. It is specially formulated for industrial truck applications, including rock haulers, cement mixers, construction machinery and support equipment.

PROPERTIES:

SOLIDS(Weight)	52 - 59%
SOLIDS(Volume)	40 - 46%
VISCOSITY	70 - 90 KU
COLOR	Full Range
POT LIFE(77 degrees F)	6 - 8 Hours*
TACK FREE	6 Hours*
RECOAT	Overnight*
LIGHT SERVICE	24 Hours*
FULL SERVICE	7 Days*

* Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.

SURFACE PREPARATION:

Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or grease. Greasy or oily surfaces should be solvent cleaned with care taken not to paint over moist or wet surfaces. The recommended primer is MIL-P-23377E Type I Epoxy Polyamide. The use of alkyd based primers under this coating is not advisable.

Old paint in peeling condition must be removed. Sandblasting or wire brushing are the preferred methods. Chalky paint must also be wire brushed for maximum adhesion.

APPLICATION:

Griggs #356 Polyurethane Coating can be brushed rolled or sprayed. The preferred method is spraying. Mechanically mix each component , then combine at a ratio of 1:1 by volume. Let admixed material stand for 15-30 minutes before using to allow for chemical induction. If thinning is required, use Griggs #4141 Polyurethane Thinner.

PRECAUTIONS:

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

TECHNICAL DATA SHEET
100% SOLIDS EPOXY
PAGE 1 OF 3

PRODUCT: A liquid modified 100% solids epoxy coating.

DESCRIPTION: Griggs 100% Epoxy Coating is a two-component epoxy coating that contains an extremely high solids content. When fully cured, it forms an extremely tough, glossy, blush- free film that exhibits excellent impact and abrasion resistance. The cured film is unaffected by grease, oil, gasoline, detergents, and most solvents. This epoxy coating is formulated to cure in the presence of moisture. Griggs 100% Epoxy Coating can be applied at any mil thickness in a single application due to its high solids content. This coating may be made into a non-skid film by the addition of silica sand or any desired aggregate.

MAJOR USES: Griggs 100% solids Epoxy Coating can be used for flooring and surfacing, patching compounds and seamless floors in garages carports, factories, warehouses and industrial facilities. It also has been used as an adhesive, potting and encapsulation casting, hand lay-up laminating and bonding new to old concrete.

PROPERTIES:

SOLIDS(Weight)..... 100%
TENSIL STRENGTH..... 9500-10000 PSI
TENSIL ELONGATION..... 6-7
COLOR..... Light Gray
POT LIFE(77 degrees F)..... 35-45 Mins.*
TACK FREE..... 7 Hours*
RECOAT..... Overnight*
LIGHT SERVICE..... 24 Hours*
FULL SERVICE..... 5 Days*
* Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.

TECHNICAL DATA SHEET
100% SOLIDS EPOXY
PAGE 2 OF 3

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or curing compounds. Surface may be damp, but standing water must be removed. Concrete should be sandblasted, vacuum blasted or acid etched. If an acid etch is performed, surface must be rinsed and neutralized with a solution of ammonia and water. Mix 1 pint household ammonia to 5 gallons water and scrub surface immediately after water rinse. If recoating an epoxy surface is desired, and coating has cured more than 24 hours at 77 degrees F or cannot be indented with a fingernail, a light sanding with 60-80 grit sandpaper is required for proper adhesion of the new coat.

MIXING INSTRUCTIONS: This material is 100% solids with high viscosity. Mix only that amount of material that can be used in a 45 minute work period at 77 degrees F. Work times are shortened by higher temperatures. For longer pot life(work life) pour mixed material on floor immediately after mixing. Mix 3 Parts A to 1 Part B by volume. Always carefully measure the amounts and mix for 2 full minutes using a wooden stir stick, scraping the bottom and sides of the mixing vessel. Thorough mixing of the material is very important for obtaining a properly cured film.

APPLICATION RECOMMENDATIONS: Griggs 100% SOLIDS EPOXY COATING can be applied by brush, roller, notched trowel or airless spray. It is normally applied as received. For application of high build protective coatings to concrete, normal spread rate is 200-300 square feet per gallon. At this spread rate, a dry film thickness of 6-8 mils and a uniform glossy film will be achieved. Application is most easily achieved by pouring the admixed material on the floor, brush trimming the edges and seams and spreading the material with a short nap or carpet roller. Backroll sufficiently to insure a good even distribution of the coating. If a non-slip surface is desired, walk back onto the **uncured** coating wearing golf shoes and sprinkle silica sand from a shaker can into the coating and roll it in with a short nap or carpet roller.

PRECAUTIONS:

USE WITH ADEQUATE VENTILATION.

KEEP OUT OF THE REACH OF CHILDREN.

USE WITH PROPER DUAL CARTRIDGE RESPIRATOR WITH GREEN BAND CARTRIDGE TO PROTECT AGAINST METHYL AMINE VAPORS.

AVOID SKIN CONTACT, WEAR PROTECTIVE GLOVES.

WEAR SAFETY GLASSES OR GOGGLES.

DO NOT BREATHE VAPORS.

READ MATERIAL SAFETY DATA SHEET BEFORE USING THIS COATING.

TECHNICAL DATA SHEET
HI - HEAT COATING
36-603

PRODUCT: A ready mixed, high heat coating formulated with silicone resin to meet or exceed government specification TT-P-28G.

DESCRIPTION: Velvon Aluminum 36-603 High-Heat paint is a specially formulated silicone coating designed to withstand temperatures of up to 1200 degrees Fahrenheit. There must be metal to coating contact between the substrate and the coating. *Do not use a primer.* This coating may be brushed, rolled or sprayed.

PROPERTIES:

COLOR..... Aluminum
FINISH..... Low Sheen
SOLIDS(Weight)..... 40 - 42%
VOC..... 603 G/L
VISCOSITY..... 65 - 75 KU

DRYING TIMES:

TO TOUCH..... 1 hour
DRY HARD..... 3 hours
FULL HARDNESS..... 400 F @ 1 hour

ADVANTAGES:

(1). High Heat Resistance.
(2). Silicone Alkyd.
(3). Meets or Exceeds TT-P-28G.
(4). Air Dry.

USES:

(1). Aerospace Applications.
(2). Boilers.
(3). Heat Exchangers.
(4). Engines.
(5). Exhausts.

APPLICATION: Apply by brush, roller or spray methods. For brush and roll, thin with Xylol or Toluol Reducer at 10-15% by volume. For spray application, thin with Toluene at 10-15% by volume.

TECHNICAL DATA SHEET
4606 PATCH EPOXY
PAGE 1 OF 3

PRODUCT: A liquid modified 100% solids epoxy coating with room temperature curing. Excellent adhesion to concrete and other surfaces.

MAJOR USES: Patching, filling joints and cracks, surfacing ramps and other industrial areas that require a non skid surface.

PROPERTIES: 100% solids

Cure Time:

Light Traffic.....4-12 hours Heavy Traffic.....12-24 hours Resistant to.....Chemicals Cleaning Solvents and Soaps, Jet Fuels, Degreasers and Solvents,

SURFACE PREPARATIONS:

The minimum cure time of concrete must be least 30 days before application of 4606 Patch Epoxy (concrete shrinks during the normal curing process and may continue to shrink and settle after the 30 day curing period). Ambient & surface temperature of substrate must be above 50 degrees F. for proper curing of 4606 Patch Epoxy. The crack or joint should be dry and free of all loose debris, dirt, dust, curing compounds, release agents and other contaminants to produce a sound surface before application of 4606 Patch Epoxy.

TECHNICAL DATA SHEET
4606 PATCH EPOXY
PAGE 2 OF 3

MIXING:

Mix Component A & B until all pigments and settlement are completely mixed in before combining the two components. Then slowly pour component B into component A mixing slowly. Mixed admixed material 1-2 1/2 minutes until completely mixed (if components A & B are not completely mixed this will severely effect the curing process of 4606 Patch Epoxy). Manual or mechanical mixing may be used to mix 4606 Patch Epoxy. Dispense admixed material and clean tools immediately (cleaning may be done with T-262 Epoxy Thinner or a good Lacquer Wash). To extend the pot life of 4606 Patch Epoxy components A & B may be inserted into a freezer or ice bath before mixing the 2 components with each other.

APPLICATION: 4606 Epoxy Crack Filler is supplied in kits. This material can be poured directly into the crack or applied with a bulk dispensing caulking gun. Always remember to mix Part A with Part B. It is very important to mix both parts well before use. Also very important is the thorough mixing after combining part A with part B. 4606 Patch Epoxy should be applied to joints and cracks in 2 stages. The first stage should fill the crack or joint approximately half the distance to the surface. Allow the first stage to settle 15 to 30 minutes then apply second stage until flush with the surface. All 4606 Patch Epoxy is filled over the surface should be shaved until flush with the surface.

PRECAUTIONS: Take these precautions before the coating dries and during application.

The following applies to Part A and Part B

Harmful or fatal if swallowed. Vapor harmful. Eye irritant. Keep away from heat, sparks, and open flame. Avoid prolonged contact with skin or breathing of vapors. Keep containers closed when not in use. In case of spillage, absorb and dispose of in accordance with local applicable regulations.
CAUTION: Admixed material may reach temperatures above 150 degrees F. Use with adequate ventilation. KEEP OUT OF REACH OF CHILDREN!!! If swallowed do not induce vomiting. CALL A PHYSICIAN IMMEDIATELY.

TECHNICAL DATA SHEET
4606-100 EPOXY
PAGE 1 OF 3

PRODUCT: A liquid modified 100% solids epoxy coating.

DESCRIPTION: ICS 4606-100 Epoxy Coating is a two-component epoxy coating that contains an extremely high solids content. When fully cured, it forms an extremely tough, glossy, blush- free film that exhibits excellent impact and abrasion resistance. The cured film is unaffected by grease, oil, gasoline, detergents, and most solvents. This epoxy coating is formulated to cure in the presence of moisture. ICS 4606- 100 Epoxy Coating can be applied at any mil thickness in a single application due to its high solids content. This coating may be made into a non-skid film by the addition of silica sand or any desired aggregate.

MAJOR USES: ICS-4606 100 Epoxy Coating can be used for concrete flooring and walls of containment reservoirs and seamless floors in garages carports, factories, warehouses and industrial facilities, sewage and waste treatment plants, water treatment plants.

PROPERTIES:

SOLIDS(Volume)	100%
TENSIL STRENGTH	9500-10000 PSI
TENSIL ELONGATION	6-7
COLOR	Light Gray
POT LIFE(77 degrees F)	1-2 Hours*
TACK FREE	7 Hours*
RECOAT	Overnight*
LIGHT SERVICE	24 Hours*
FULL SERVICE	5 Days*
GLOSS	Full Gloss
VOC	0

*Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or curing compounds. Surface may be damp, but standing water must be removed. Concrete should be sandblasted (whip blast). If recoating an epoxy surface is desired, and coating has cured more than 24 hours at 77 degrees F or cannot be indented with a fingernail, a light sanding with 60 80 grit sandpaper is required for proper adhesion of the new coat.

MIXING INSTRUCTIONS: This material is 100% solids with high viscosity. Mix only that amount of material that can be used in a 2 Hour work period at 77 degrees F. Work times are shortened by higher temperatures. For longer pot life(work life) pour mixed material on floor immediately after mixing. Always carefully measure the amounts and mix for 2 full minutes using a wooden stir stick, scraping the bottom and sides of the mixing vessel. Thorough mixing of the material is very important for obtaining a properly cured film.

APPLICATION RECOMMENDATIONS: ICS 4606-100 EPOXY COATING can be applied by brush, roller, notched trowel or airless spray. It is normally applied as received. For application of high build protective coatings to concrete, normal spread rate is 200-300 square feet per gallon. At this spread rate, a dry film thickness of 6-8 mils and a uniform glossy film will be achieved. Application is most easily achieved by pouring the admixed material on the floor, brush trimming the edges and seams and spreading the material with a short nap or carpet roller. Backroll sufficiently to insure a good even distribution of the coating. If a non-slip surface is desired, walk back onto the **uncured** coating wearing golf shoes and sprinkle silica sand from a shaker can into the coating and roll it in with a short nap or carpet roller. When airless equipment is used, a 45 to 1 pump and .022" to .030 tip is recommended. DO NOT LET ADMIXED MATERIAL REMAIN IN OR ON APPLICATION EQUIPMENT LONGER THAN 2 HOURS.

PRECAUTIONS:

USE WITH ADEQUATE VENTILATION.

KEEP OUT OF THE REACH OF CHILDREN.

USE WITH PROPER DUAL CARTRIDGE RESPIRATOR WITH GREEN BAND CARTRIDGE TO PROTECT AGAINST METHYL AMINE VAPORS.

AVOID SKIN CONTACT, WEAR PROTECTIVE GLOVES.

WEAR SAFETY GLASSES OR GOGGLES.

DO NOT BREATHE VAPORS.

READ MATERIAL SAFETY DATA SHEET BEFORE USING THIS COATING.

TECHNICAL DATA SHEET
611BC GLOSS GREEN EPOXY
AMINE COATING NPC61611

PRODUCT DESCRIPTION:

One type of two-component epoxy based primer/finish coat for the aerospace industry. This product is specifically formulated for corrosion control of metals.

TYPICAL PROPERTIES:

(1). COLOR..... #14151 Green* #14097 Green

(2). **ELONGATION:**
Passes 1/8" conical mandrel method per ASTM D-522-60.

(3). **SALT SPRAY FOG METHOD ASTM-117-73:** No blistering, cracking, softening or delamination of film. No rust creepage at scribe and no rusting at edges after 500+ hours.

(4). Excellent Corrosion Resistance

(5). **PENCIL HARDNESS:** 4H

(6). Excellent Solvent, Chemical and Heat Resistance.

(7). **FLASH POINT:** 24 Degrees Fahrenheit

(8). **WEIGHT/GAL:** 9.58 lbs/gal(admixed)

(9). **SOLIDS(Volume):** 33-36%

(10). **SPRAYING VISCOSITY:** 16-20 Seconds #2 Zahn Cup.

* Color# 14151 is the gloss equivalent of Color# 34151
Meets Garrett/Honeywell MCS9010, NPC61611, PCS5401 & FP5025

APPLICATION AND REDUCTION:

611BC is normally applied over well cleaned, bare metal without the use of pretreatment wash primers. Mix one part epoxy primer with one part of the converter provided in the kit. Allow 45 minutes to one hour wetting time. Spray one cross coat to achieve a dry film thickness of 0.3 - 0.5 mils. Use admixed material within 8 hours. Dry to touch in 30 minutes, to handle in 4 hours and to topcoat within 12 - 18 hours. For baking, allow at least one hour for solvent release, and bake at 180 - 200 degrees Fahrenheit for 45 to 60 minutes.

SHELF LIFE: 1 YEAR FROM DATE OF MFG

TECHNICAL DATA SHEET
A-423-66
EPOXY AMINE COATING

PRODUCT DESCRIPTION:

One type of two-component cati-coat epoxy based finish coat for the aerospace industry. This product is specifically formulated for industrial aerospace use on metals.

TYPICAL PROPERTIES:

(1). COLORS..... Full Range
(2). **DRYING TIME:**
To Touch..... 1 - 2 Hours
(3). Dry Hard..... Within 8 Hours
To Recoat..... Overnight
(4). VEHICLE TYPE..... Epoxy Amine Adduct
(5). POT LIFE..... 8 Hours @ 80 ºF
(6). SHELF LIFE..... 1 Year From Date/Mfg
(7). **RESISTANCE TO:**
Solvents.....Excellent
Water.....Excellent
Oils/Greases.....Excellent
Alkali.....Excellent
(8). **SPRAYING VISCOSITY:** 18-23 Seconds #1 Zahn Cup.

APPLICATION AND REDUCTION:

A-423-66 is normally applied over well cleaned, primed metal that has been prepared according to Garrett Specifications. Mix one part A-423-66 with one part of the converter provided in the kit. Allow 45 minutes to one hour wetting time. Spray one cross coat to achieve a dry film thickness of 0.3- 0.5 mils. Use admixed material within 8 hours. Dry to touch in 30 minutes, to handle in 4 hours and to recoat within 12 -18 hours. For baking, allow at least one hour for solvent release, and bake at 180 - 200 degrees Fahrenheit for 45 to 60 minutes.

STORAGE:

Store Indoors at room temperature. Keep away from heat, sparks and open flame.

TECHNICAL DATA SHEET
A-423-66 EPOXY
AMINE COATING

PRODUCT DESCRIPTION:

One type of two-component epoxy based finish coat for the aerospace industry. This product is specifically formulated for industrial aerospace use on metals.

TYPICAL PROPERTIES:

(1). COLORS..... Full Range
(2). **DRYING TIME:**
To Touch..... 1 - 2 Hours
(3). Dry Hard..... Within 16 Hours
To Recoat..... Overnight
(4). VEHICLE TYPE..... Epoxy Amine Adduct
(5). POT LIFE..... 8 Hours @ 80 Deg F
(6). SHELF LIFE..... 1 Year From Date/Mfg
(7). **RESISTANCE TO:**
Solvents.....Excellent
Water.....Excellent
Oils/Greases.....Excellent
Alkali.....Excellent
(8). **SPRAYING VISCOSITY:** 18-23 Seconds #1 Zahn Cup.

APPLICATION AND REDUCTION:

A-423-66 is normally applied over well cleaned, primed metal that has been prepared according to Garrett Specifications. Mix one part A-423-66 with one part of the converter provided in the kit. Allow 45 minutes to one hour wetting time. Spray one cross coat to achieve a dry film thickness of 0.3- 0.5 mils. Use admixed material within 8 hours. Dry to touch in 30 minutes, to handle in 4 hours and to recoat within 12 -18 hours. For baking, allow at least one hour for solvent release, **pre-heat** oven and bake at 180-200 degrees Fahrenheit for 45 to 60 minutes.

STORAGE / PRECAUTIONS:

Store Indoors at room temperature. Keep away from heat, sparks and open flame.
Read MSDS before use.
Contents are Flammable.
For Industrial Use Only.

TECHNICAL DATA SHEET
A-423-66 NPC61600-2
EPOXY AMINE COATING

PRODUCT DESCRIPTION:

One type of two-component epoxy based finish coat for the aerospace industry. This product is specifically formulated for industrial aerospace use on metals.

TYPICAL PROPERTIES:

(1). COLOR..... #24670 Green
(2). **DRYING TIME:**
To Touch..... 1 - 2 Hours
(3). Dry Hard..... Within 16 Hours
To Recoat..... Overnight
(4). VEHICLE TYPE..... Epoxy Amine Adduct
(5). POT LIFE..... 8 Hours @ 80 Deg F
(6). SHELF LIFE..... 1 Year From Date/Mfg
(7). **RESISTANCE TO:**
Solvents..... Excellent
Water..... Excellent
Oils/Greases..... Excellent
Alkali..... Excellent
(8). **SPRAYING VISCOSITY:** ..... 18-23 Seconds #1 Zahn Cup

APPLICATION AND REDUCTION:

A-423-66 is normally applied over well cleaned, primed metal that has been prepared according to Garrett Specifications. Mix one part A-423-66 with one part of the converter provided in the kit. Allow 45 minutes to one hour wetting time. Spray one cross coat to achieve a dry film thickness of 0.3- 0.5 mils. Use admixed material within 8 hours. Dry to touch in 30 minutes, to handle in 4 hours and to recoat within 12 -18 hours. For baking, allow at least one hour for solvent release, **pre-heat** oven and bake at 180-200 degrees Fahrenheit for 45 to 60 minutes.

STORAGE / PRECAUTIONS:

Store Indoors at room temperature. Keep away from heat, sparks and open flame.
Read MSDS before use.
Contents are Flammable.
For Industrial Use Only.

TECHNICAL DATA SHEET
A-932-66 EPOXY ENAMEL

PRODUCT DESCRIPTION:

One type of two-component aluminized epoxy enamel approximating the color of #17178 aluminum. It is normally applied over LAC-37-722 Type I Epoxy Primer. Conforms to Lockheed Specification LAC-37-722 Type III and STM-37-305.

TYPICAL PROPERTIES:

(1). COLOR..... Aluminum
(2). **DRYING TIME:**
Dust Free..... 30 Minutes
Dry Hard..... Within 8 Hours
Full Cure..... Within 7 Days
(3). VOLUME SOLIDS..... 24.5%
(4). SHELF LIFE..... 1 Year From Date/Mfg

APPLICATION AND REDUCTION:

A-932-66 is normally applied over well cleaned surfaces that have been primed with LAC-37-722 Type I Epoxy Primer. After agitating the A932-66, slowly add the catalyst, C- 916-66 in a one to one mixture by volume. Stir constantly while mixing the two components. Allow 45 minutes to 1 hour induction time before use. Spray to a minimum thickness of 1.25 dry mils. For thinning or clean up, use T-262-66 Epoxy Thinner.

STORAGE:

Store Indoors at room temperature.
Keep away from heat, sparks and open flame.
Read MSDS before use.

TECHNICAL DATA SHEET
ACID RESISTANT LACQUER
A-A-1452B

PRODUCT: An acid, gasoline and oil resistant lacquer formulated for spraying the aluminum surface around storage batteries.

DESCRIPTION: **A-A-1452B *ACID RESISTANT LACQUER*** is a spraying lacquer specifically formulated for use on the aluminum surface around storage batteries. This coating is resistant to acid, gasoline and oils. Formulated for spraying, however, small areas may be brushed if spraying is impractical.

PROPERTIES:

COLORS:
TYPE I: #17038 GLOSS BLACK TYPE II: #17875 GLOSS WHITE FINISH..... High Gloss SOLIDS(Weight)..... 28 - 33%

DRYING TIMES:
TO TOUCH..... 10 Minutes
DRY HARD..... 60 Minutes

ADVANTAGES:
(1). Acid Resistant.
(2). Gasoline Resistant.
(3). Oil Resistant.
(4). Durable.
(5). Fast Dry.

USES:
(1). Auto/Truck Battery Trays.
(2). Battery Storage Racks.
(3). Engine Racks.

APPLICATION: Apply by spray method, although small areas may be brushed. Thin with MIL-T-81772B Type III Reducer or A-A-857B at approximately 10% by volume or as required for proper atomization for spraying. For brushing, thin as needed to facilitate proper flow. Do not over brush.

TECHNICAL DATA SHEET
STENCIL PAINT A-A-1558A

PRODUCT: A solvent base, stencil paint intended for use for marking and identification.

DESCRIPTION: *Griggs A-A-1558A STENCIL PAINT* is a high opacity, solvent base coating for use in marking bales, crates, boxes and drums. It is intended for application by brushing or spraying, interior or exterior use.

PROPERTIES:

COLORS..... All Fed.Std.595B
GLOSS(60 Deg)..... 30% Maximum
DRYING TIMES:
TO TOUCH..... 10 Minutes
DRY HARD..... 60 Minutes
SOLIDS(Weight)..... 60% Minimum

ADVANTAGES:

(1). Fast Drying.
(2). Interior / Exterior
(3). High Opacity
(4). Durable

USES:

(1). Boxes
(2). Crates
(3). Bales
(4). Drums

APPLICATION: Apply by spray or brush methods. Thin with MIL-T-81772B Type III Reducer at approximately 10% by volume or as required for proper atomization for spraying. For brushing, thin as needed to facilitate proper flow. Do not over brush.

TECHNICAL DATA SHEET
A-A-2787 TY.I ENAMEL
AEROSOL, LOW VOC

PRODUCT: A solvent thinned, low VOC, aerosol enamel that meets specification A-A-2787 Type I.

DESCRIPTION: A-A-2787 TYPE I AEROSOL ENAMEL, LOW VOC is a high quality alkyd enamel available in gloss, semigloss and flat finishes.

PROPERTIES: COLORS..... Per Fed-Std 595B
FINISH..... Gloss, Semigloss, Flat
COLORS: #37038 BLACK, #35109 BLUE, #20117 BROWN, #36375 GRAY, #33538 YELLOW

DRYING TIMES:
TO TOUCH..... Within 30 Minutes
DRY THROUGH..... Within 18 Hours

ADVANTAGES:
(1). Low "VOC"
(2). Meets A-A-2787 Type I
(3). Aerosol Spray Application
(4). Air Dry Finish

USES:
(1). Furniture
(2). Equipment
(3). Shelving
(4). Industrial Facilities

APPLICATION: Apply by spraying thin, multiple coats on the substrate. Do not over spray thick one coat films, as running and sagging of the film will occur.

TECHNICAL DATA SHEET
A-A-2962 TY.I, CL.A, GR.B
SEMI-GLOSS ALKYD ENAMEL

PRODUCT: An exterior grade, semi-gloss alkyd enamel formulated for low "VOC" content.

PROPERTIES: COLORS..... Fed Std. 595B
VOLATILE ORGANIC COMPOUNDS..... 420 G/L Maximum

ADVANTAGES:
(1). Exterior Grade
(2). Semi-Gloss Finish
(3). Meets A-A-2962
(4). Full Color Range, 595 Colors

USES:
(1). Steel
(2). Machinery
(3). Tanks
(4). Wood
(5). Equipment
(6). Towers

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application.

PRECAUTIONS:

Contents are FLAMMABLE.
Keep away from heat and open flame.
KEEP OUT OF THE REACH OF CHILDREN.
Do not take internally.
Avoid breathing vapor or mist.
Do not use in tank or pit without proper protection.
Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
A-A-2962A TY.III, CL.B
GLOSS ALKYD ENAMEL

PRODUCT: An exterior grade, high gloss alkyd enamel formulated for low "VOC" content.

PROPERTIES: COLORS..... Fed Std. 595B
VOLATILE ORGANIC COMPOUNDS..... 420 G/L Maximum

ADVANTAGES:
(1). Exterior Grade
(2). High-Gloss Finish
(3). Meets A-A-2962A
(4). Full Color Range, 595 Colors

USES:
(1). Steel
(2). Machinery
(3). Tanks
(4). Wood
(5). Equipment
(6). Towers

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application.

PRECAUTIONS:

Contents are FLAMMABLE.
Keep away from heat and open flame.
KEEP OUT OF THE REACH OF CHILDREN.
Do not take internally.
Avoid breathing vapor or mist.
Do not use in tank or pit without proper protection.
Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
A-A-3003
LACQUER, SPRAYING
PAGE 1 OF 2

PRODUCT: A very high quality nitrocellulose lacquer for general interior use as a finishing coat over a properly prepared primed metal, plastic or sealed wood substrates. It is available in gloss and semigloss sheens, pigmented and clear.

PROPERTIES:

COLORS	All Fed-Std 595B
GRIND	Not Under 6.0
FLEXIBILITY	Pass 1/4" Rod
VISCOSITY(#4 Ford Cup)	15-35 Seconds
NON-VOLATILE(wt.lacquer)	Not Under 26%
VOLATILE ORGANIC COMPOUNDS	MAX 340 G/L

DRYING TIME AT 75 DEGREES F:

DRY-TO-TOUCH:	WITHIN 10 MINUTES
DRY THROUGH:	WITHIN 2 HOURS

USES:

(1). Furniture
(2). Machinery
(3). Steel Surfaces
(4). Equipment
(5). Office Equipment
(6). Computer Cabinets

APPLICATION & REDUCTION:

A-A-3003 should only be applied by spray application due to its fast dry properties. Thin one part A-A-3003 with approximately 2 parts MIL-T-81772B TY.III Thinner. Spray one tack coat followed by one full wet coat being sure to keep a "wet edge" for maximum smooth finish.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of coating. Prime per specification requirements and/or recommendations.

STEEL:
Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

WOOD:
Surface must be clean and free of all contaminants. Sand apply a lacquer based sealer before application of topcoat.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
A-A-3164
SYNTHETIC LACQUER
PAGE 1 OF 2

PRODUCT: A low VOC, lusterless and semigloss synthetic resin lacquer for application onto a lacquer resistant primer or recoating properly prepared metal surfaces. All colors are lead and chromate free. Not for use on bare metal without a primer undercoat. Provides a rapid, tack free and dry hard condition at temperatures lower than curing type resins.

PROPERTIES:

COLORS	All Fed-Std 595B
GRIND	Not Under 5
SPECULAR GLOSS	Varies By Color
VISCOSITY,#4 Ford Cup	Not Over 25 Sec.
VOLATILE ORGANIC CONTENT	Max 420 G/L

DRYING TIME AT 75 DEGREES F:

TO TOUCH:	WITHIN 15 MINUTES
DRY HARD:	WITHIN 40 MINUTES

USES:

(1). Ammunition
(2). Machinery
(3). Steel Surfaces
(4). Equipment
(5). Camouflage Requirements

APPLICATION & REDUCTION:

A-A-3164 should only be applied by spray application due to its fast dry properties. Thin up to one pint per gallon with MIL-T-81772B Type III Thinner, or as needed for proper atomization with spray equipment. Spray one tack coat followed by one full wet coat. The use of MIL-C-8514C and TT-P-1757B Primers, or other recommended lacquer resistant primers, are normally required for use under this lacquer topcoat.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application. Substrate must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
A-A-3165
GLOSS LACQUER COATING
PAGE 1 OF 2

PRODUCT: A durable, pigmented, high gloss lead and chromate free lacquer for spray or brush application. It has good exterior durability and gloss. A-A-3165 features a "HAPS" free, low VOC, formulation that conforms to air pollution regulations. This lacquer is specifically formulated as an aircraft finishing coating. The clear may be aluminized (12 ounces of TT-P-320D Aluminum Paste per gallon of clear) to obtain an excellent aluminum lacquer.

PROPERTIES:

COLORS	All Fed-Std 595B
GLOSS(60 Degrees)	75 - 80%
VOC CONTENT	420 G/L Maximum
VISCOSITY(Reduced)#4 Ford Cup	Not Over 20 Sec.
SOLIDS(Weight)	30 - 40% Minimum

DRYING TIME AT 75 DEGREES F:

DRY TO TOUCH:	WITHIN 10 MINUTES
DRY HARD:	WITHIN 40 MINUTES

APPLICATION & REDUCTION:

A-A-3165 should only be applied by spray application due to its fast dry properties. Thin up to one pint per gallon with MIL-T-81772B Type III Thinner, or as needed for proper atomization with spray equipment. Spray one tack coat followed by one full wet coat being sure to keep a "wet edge" for maximum gloss finish. The use of MIL-C-8514C and TT-P-1757B Primers or other recommended lacquer resistant primers are normally required for use under this lacquer topcoat.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of gloss lacquer. Prime per specification requirements.

STEEL:
Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
WALKWAY COMPOUND-NONSLIP
A-A-59166

PRODUCT: A non-slip walkway coating for the exterior of aircraft surfaces.

DESCRIPTION: ***Griggs*** **A-A-59166 WALKWAY COATING** is a nonslip walkway compound coating for use on walkways of exterior aircraft surfaces. Type II contains grit for additional non-skid properties. For brushing and rolling application only.

PROPERTIES:

COLORS..... Per Fed.Std. 595B
TYPE I: Smooth Texture
TYPE II: Grit Added
FINISH..... Lusterless
SOLIDS(Weight)..... 52 - 65%

DRYING TIMES:

TACK FREE..... 15 Minutes
RECOAT..... 30 Minutes
DRY THROUGH..... 6 Hours
FULL HARDNESS..... 24 Hours

ADVANTAGES:
(1). Non-Slip.
(2). Air Dry.
(3). Brushable.
(4). Durable.
(5). Fast Dry.

USES:
(1). Exterior Aircraft Walkways.
(2). Heavy Traffic Areas.
(3). Non-Slip Requirements.

APPLICATION: Apply by brush or roll methods. Thin with MIL-T-81772B Type III Reducer or TT-X-916 Xylene as needed to facilitate proper flow. Do not over brush so that an even distribution of the grit is achieved.

TECHNICAL DATA SHEET
A-A-665E ENAMEL
FAST DRY AEROSOL

PRODUCT: A fast-dry alkyd enamel.

DESCRIPTION: *Griggs* A-A-665E is a specially formulated fast dry alkyd enamel for general purpose and touch-up use. Available in 16 ounce aerosol cans only.

PROPERTIES:
COLORS:..... All Fed.Std.595B
FINISH:..... Gloss, Semigloss & Flat
DRYING TIMES:
TO TOUCH:..... 15 Minutes
DRY THROUGH:..... 2 Hours

ADVANTAGES:
(1). Full Color Range.
(2). Interior - Exterior.
(3). Prevents Rust.
(4). Durable.
(5). Fast Dry.

USES:
(1). Equipment.
(2). Tools.
(3). Metal Furniture.
(4). Parts

APPLICATION: Surface must be clean and dry, bare metal should be primed for best results. Hand shake for one minute at room temperature.
Spray two coats, each consisting of one horizontal and one vertical pass, from a distance of 10 to 12 inches from the substrate
Use with adequate ventilation
Keep away from heat, flames and other ignition sources.
Keep away from children – Industrial use only.
Read MSDS before use.

TECHNICAL DATA SHEET
ACRYLIC ENAMEL
PAGE 1 OF 2

PRODUCT: A durable, high gloss, acrylic enamel formulated to give excellent exterior durability.

DESCRIPTION: A specially formulated acrylic enamel made from high quality resins and raw materials. Griggs Acrylic Enamel provides a high gloss finish that is rust-inhibitive and weather resistant.

PROPERTIES:

COLORS..... Full Range
FINISH..... High Gloss
SOLIDS(Weight)..... 55-65%
SOLIDS(Volume)..... 40-50%
VISCOSITY..... 65-80 KU
SOLVENT..... Aliphatic Hydrocarbons
COVERAGE..... 400 sq.ft./gal

DRYING TIME:

TO TOUCH..... 1-3 Hours
TO RECOAT..... 12 Hours
VEHICLE TYPE..... Acrylic Modified
PIGMENT TYPE..... Fade Resistant

RESISTANCE TO:

CHEMICALS..... Good
HEAT..... 250 F
WEATHER..... Excellent
ULTRA VIOLET LIGHT..... Excellent

ADVANTAGES:

(1). High Gloss
(2). Excellent Exterior Durability
(3). Rust Inhibitive
(4). Durable and Tough
(5). Excellent Color and Gloss Retention
(6). Excellent Hide and Coverage
(7). Meets TT-E-001384

TECHNICAL DATA SHEET
ACRYLIC ENAMEL
PAGE 2 OF 2

APPLICATION: Griggs Acrylic Enamel can be brushed, rolled or sprayed. Spraying is the recommended form of application. Use at full body consistency for brush and roll. Reduce up to 25% with Xylene for spraying. May be mixed with an Acrylic Urethane Catalyst for increased performance. Mix 1 pint of catalyst to 1 gallon of acrylic(8:1).

SURFACE PREPARATION: Surface must be clean, dry and free of oil, grease or loose paint. Greasy or oily surfaces should be solvent cleaned until all oily residue is removed. Do not paint over wet or moist surfaces. Old paint in peeling condition must be removed. Remove by sandblasting or wire brushing. Chalky paint should also be wire brushed for maximum adhesion. Old paint that is firm, clean and free of chalk or grease, may be painted over without further preparation. Prime ferrous metals with TT-P-636 Primer or equal quality type primer. Non-Ferrous metals must be primed with DOD-P-15328 Metal Pretreatment Wash Primer prior to application of TT-P-636 for increased adhesion.

PRECAUTIONS: USE ONLY WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH EYES AND SKIN.

DO NOT TAKE INTERNALLY.

KEEP OUT OF THE REACH OF CHILDREN.

AVOID BREATHING VAPOR AND MIST.

TECHNICAL DATA SHEET
ACRYTHANE ACRYLIC POLYURETHANE
PAGE 1 OF 2

PRODUCT: A two-component, acrylic-polyurethane system designed for very good exterior durability.

DESCRIPTION: A high quality two-part acrylic-polyurethane coating that offers superior exterior durability at an affordable cost. Acrythane can be applied by brush, roll or spray on a variety of substrates. This product is available in a variety of colors, with custom colors available upon request. The full range of OSHA safety colors are available for plant maintenance and color coding.

PROPERTIES:

COLORS..... Full Spectrum(All Colors)
SOLIDS(Volume)*..... 39 - 51%
THEORETICAL COVERAGE*..... 885 mil sq.ft/gal
DRY FILM THICKNESS..... 2.0 to 3.0 mils p/coat

DRYING TIME-AT 75 DEGREES F:

TO HANDLE..... 1 To 3 Hours
TO RECOAT..... 12 To 24 Hours
VEHICLE TYPE..... Acrylic/Polyurethane
WEIGHT/GAL*..... 9.2 - 11.2 lbs/gal

ADVANTAGES:

(1). Weather Resistant.
(2). Durable and Tough.
(3). Abrasion Resistant.
(4). Excellent Coverage and Hide.
(5). Full Range of Colors.

USES:

(1). Steel
(2). Machinery
(3). Tanks
(4). Railings
(5). Equipment
(6). Towers

TECHNICAL DATA SHEET
ACRYTHANE ACRYLIC POLYURETHANE

APPLICATION & REDUCTION:

Griggs Acrythane Coating may be brushed, rolled or sprayed. Unreduced Acrythane must be catalyzed at an 8:1 ratio with Acrythane Catalyst(1 pint per gallon). Thin with MIL-T-81772B Reducer up to 1 pint per gallon for spray application. For brushing and rolling, use as is or with minimum thinning.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application.

STEEL:
Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
ADOT #3 GLOSS TOPCOAT
PAGE 1 OF 2

PRODUCT: An air-dry, waterbase, modified acrylic coating conforming to ADOT specifications.

DESCRIPTION: A high grade water reducible acrylic type copolymer gloss and medium gloss enamels intended for use on primed metal but particularly on smooth exterior metal. It is highly weather-resistant and has superior color and gloss retention.

PROPERTIES:

COLORS..... Full Spectrum(All Colors)
SOLIDS(Volume)*..... 60 - 67%
THEORETICAL COVERAGE*..... 300 - 350 sq.ft/gal
DRY FILM THICKNESS..... 1.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
SET-TO-TOUCH..... 2 HOURS MAX
DRY HARD..... 8 HOURS MAX
VEHICLE TYPE..... MODIFIED ACRYLIC
*Values may vary with color.

ADVANTAGES:

(1). Excellent Weather Resistance.
(2). Meets ADOT Requirements.
(3). Excellent Coverage.
(4). Excellent Gloss Retention.

USES:

(1). Steel
(2). Machinery
(3). Tanks
(4). Railings
(5). Equipment
(6). Towers

APPLICATION & REDUCTION:

ADOT #3 Modified Acrylic enamels may be applied by brush, roll or spray application.
For spraying, thin up to 15% or as needed with tap water. For brushing, thin up to 10% with tap water.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer.

STEEL:
Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
ADOT #3 SILICONE ALKYD ENAMEL
PAGE 1 OF 2

PRODUCT: An air-dry, silicone alkyd coating conforming to ADOT specifications.

DESCRIPTION: A high grade silicone alkyd type copolymer gloss and medium gloss enamels intended for use on primed metal but particularly on smooth exterior metal. It is highly weather-resistant and has superior color and gloss retention.

PROPERTIES:

COLORS..... Full Spectrum(All Colors)
SOLIDS(Volume)*..... 60 - 67%
THEORETICAL COVERAGE*..... 640 - 720 sq.ft/gal
DRY FILM THICKNESS..... 1.5 mils p/coat

DRYING TIME-AT 75 DEGREES F:

SET-TO-TOUCH..... 2 HOURS
MAX DRY HARD..... 8 HOURS
MAX VEHICLE TYPE..... SILICONE ALKYD
*Values may vary with color.

ADVANTAGES:

(1). Excellent Weather Resistance.
(2). Meets ADOT Requirements.
(3). Excellent Coverage.
(4). Excellent Gloss Retention.

USES:

(1). Steel
(2). Machinery
(3). Tanks
(4). Railings
(5). Equipment
(6). Towers

TECHNICAL DATA SHEET
ADOT #3 SILICONE ALKYD
PAGE 2 OF 2

APPLICATION & REDUCTION:

ADOT #3 Silicone Alkyd enamels may be applied by brush, roll or spray application.

or spray application.
For spraying, thin up to 15% or as needed with Synthetic Reducer.
For brushing, thin up to 10% with Mineral Spirits.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer.

STEEL:
Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are Combustible.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
HIGH-GLOSS ALKYD ENAMEL
PAGE 1 OF 2

PRODUCT: A high quality full gloss alkyd enamel for use on all wood, metal or masonry surfaces. This product is extremely durable with excellent flow and leveling characteristics.

DESCRIPTION: A specially formulated high gloss alkyd enamel for wood, metal and masonry surfaces. Griggs High Gloss Alkyd Enamels are durable, washable, easy to apply and have excellent hide and scrub properties.

PROPERTIES:
COLORS..... Full Spectrum(All Colors)
SOLIDS(Weight)*..... 58 - 60%
SOLIDS(Volume)*..... 43 - 45%
THEORETICAL COVERAGE*..... 350 - 450 sq.ft/gal
DRY FILM THICKNESS..... 2.0 to 3.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
TO HANDLE..... 6 To 8 Hours
TO RECOAT..... 12 To 24 Hours
VEHICLE TYPE..... Modified Alkyd
WEIGHT/GAL*..... 9.9 - 11.2 lbs/gal
*Values may vary with color.

ADVANTAGES:
(1). Meets TT-P-102D Specifications.
(2). Excellent Hide.
(3). Extremely Durable.
(4). Excellent Flow and Leveling.
(5). Easy Application.
(6). Extremely Washable.

USES:
(1). Wood.
(2). Metal.
(3). Cabinets.
(4). Masonry.
(5). Furniture.

APPLICATION & REDUCTION:

Griggs high gloss Alkyd Enamels are formulated for brush, roll or spray application. For spraying, thin up to 15% or as needed with Synthetic Reducer. For brushing, us at packaged consistency or thin as needed with Mineral Spirits.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of high gloss alkyd enamel.

PRECAUTIONS:

Contents are COMBUSTIBLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
ANTI-STATIC COATING
EPOXY POLYAMIDE COATING

PRODUCT DESCRIPTION:

A two-component epoxy-polyamide coating for spray and brush applications, furnished in a packaged kit and suitable for use under air pollution regulations. Formulated for anti-static properties on steel and other ferrous metals.

TYPICAL PROPERTIES:

(1). **COLORS**..... All Fed.Std 595 Colors
(2). **SHELF LIFE**..... 1 Year From Date of Mfg
(3). **DRYING TIME:**
Set-To-Touch: Within 1 Hour
Dry Hard: Within 7 Hours
(4). **Thinner**..... MIL-T-81772B Ty.II
(5). **Gloss Values:**
Gloss: 90 minimum
Semi-Gloss: 15 - 30
Lusterless: 8 maximum, 16 maximum for Gull Gray
(6). **VISCOSITY:**
#4 Ford Cup: 16 seconds, 1 Hour After Mixing

APPLICATION AND REDUCTION:

Each of the two components should be thoroughly mixed separately . Component B is then slowly poured into Component A with constant stirring until a one-to-one ratio is achieved. Reduce the admixed as needed for good atomization with MIL-T-81772B TY.II. Mix thoroughly and allow to stand 45 minutes to 1 hour before using.

TECHNICAL DATA SHEET
AQUA-POLY WATERBORNE
2-PART POLYURETHANE

PRODUCT DESCRIPTION:

An odor-free waterborne, high gloss, two-component multi-purpose coating for use in areas where solvent odor and fumes are a problem. Cures to an abrasion, chemical and weather resistant film.

TYPICAL PROPERTIES:

(1). **COLORS**..... Full Range
(2). **DRYING TIME:** (72 Deg.F & 80% RH)
To Touch..... 20 Minutes
Surface Dry..... Within 2 Hours
Mar Free..... 12 Hours
(3). **VEHICLE TYPE**..... Polyester Polyurethane
(4). **WORKING POT LIFE**..... 1 - 2 Hours
(5). **VOLUME SOLIDS**..... 47 - 48%
(6). **RESISTANCE TO:**
Solvents..... Excellent
Water..... Excellent
Acids..... Good
Alkali..... Excellent
(7). **PENCIL HARDNESS(ASTM D-3363-84)**..... 3H

APPLICATION AND REDUCTION:

Mix at a ratio of 3 parts clear base Component 1 to 1 part catalyst Component 2. Catalyst must be added to base under agitation. Let admixed material stand for 15 minutes before use to allow for induction time. Coating can be thinned with water if a lower viscosity/consistency is required. Do not seal any admixed unused material, as CO2 gas will generate causing pressure in the container. After catalyzation, the working pot life is 1-2 hours. An exothermic reaction can occur if 5 gallon or larger batches are mixed and allowed to sit, greatly reducing the working pot life.

STORAGE: Store indoors at room temperature. Keep from freezing.

TECHNICAL DATA SHEET
WATERBASE POOL PAINT
AQUA-STAR SERIES
PAGE 1 OF 2

PRODUCT: A water-reducible, acrylic based swimming pool paint designed to withstand continuous submersion.

DESCRIPTION: A waterbase swimming pool paint that is formulated using acrylic resin. This coating is water thinnable, low-odor and meets air pollution regulations for Volatile Organic Compounds.

PROPERTIES:

COLORS..... Full Range
GRIND..... Not Under 5
FINISH..... Semigloss
VISCOSITY..... 100 - 110 KU
DRYING TIME-AT 75 DEGREES F:
SET-TO-TOUCH..... Within 30 Minutes
RECOAT TIME..... 4 Hours
SOLIDS(Volume)..... Minimum 25 - 35%

ADVANTAGES:

(1). Water Clean-Up
(2). Water Reducible
(3). Low Odor
(4). Meets VOC Regulations
(5). Fast Dry

USES:

(1). Swimming Pools
(2). Fountains
(3). Concrete
(4). Plaster
(5). Ponds
(6). Reflection Basins

TECHNICAL DATA SHEET
WATERBASE POOL PAINT
AQUA-STAR SERIES
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Waterbase Acrylic Pool Paint can be applied by brush, roller or airless spray application. For spraying, thin up to 10% or as needed with Water. For brush and roll use as is or with minimum thinning.

SURFACE PREPARATION:

Surface must be clean, and free of all contamination before application. Abrasive blast to bare substrate and etch surface for best results. Surface may be damp but not wet prior to application. Allow 7-10 days of dry weather before filling pool. For each day of rain, allow 2 additional days of drying. Do not apply if rain threatens.

PRECAUTIONS:

KEEP FROM FREEZING.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
AROMATIC WATER-BORNE
URETHANE COATING

DESCRIPTION:

An aqueous colloidal dispersion of an aromatic urethane which forms a hard and glossy film at ambient temperatures. The films are hard and flexible, with a high degree of abrasion and chemical resistance. It has excellent dustproofing and sealing properties for concrete floors and surfaces.

USE:

For use on concrete floors that have cured for a minimum of thirty days. GRIGGS WATER-BORNE URETHANE COATING is ideal for use where a LOW VOC coating is preferred or regulated. Due to its unique properties and formulation this coating seals the concrete pores and forms a hard, glossy, chemical resistant film. This coating will reduce cleaning time of the surface due to its dustproofing characteristics.

GRIGGS WATER-BORNE URETHANE COATING is ideal for areas of heavy foot traffic as well as in areas where industrial auto and fork lift traffic are present. This makes it an excellent coating for warehouses, garages, factories, carports, show-room floors and where a "clean-room" appearance is required.

For use also where a chemical and solvent resistant coating is necessary. GRIGGS WATER-BORNE URETHANE COATING is resistant to water, greases, solvents, oils, fats, dilute acids, alkalis, and most industrial chemicals. It allows easy and thorough clean up of spills.

Do not apply in temperature below 50 degrees F or above 100 degrees F. If the first coat is absorbed by the substrate and a second coat is necessary, application can be made in 2- 4 hours depending on temperature. Overnight between coats is recommended for temperatures below 75 degrees F.

TECHNICAL DATA SHEET
AROMATIC WATER-BORNE
URETHANE COATING

SPECIFICATIONS:

COLOR:..... Clear
SOLIDS:..... 28%
VISCOSITY:..... 70-75 cps
WT./GALLON:..... 8.3-8.5 lbs.
FREEZE/THAW STABILITY:..... Pass 3 cycles
SET TO TOUCH:..... 30 Minutes
DRY TO TOUCH:..... 60 Minutes
THROUGH DRY:..... 120 Minutes
ULTIMATE TENSILE STRENGTH:..... 5300 psi
ULTIMATE ELONGATION:..... 210%
CHEMICAL RESISTANCE:
- **MEK**..... GOOD
- **TOLUENE**..... EXCELLENT
- **IPA**..... EXCELLENT
- **TRICHLOROETHANE**..... EXCELLENT
- **WATER**..... EXCELLENT

PACKAGING:..... 1 Gal. Cans/5 Gal. Pails
SHELF LIFE:..... 1 Year

APPLICATION:

GRIGGS WATER-BORNE URETHANE COATING can be brushed, rolled or sprayed. If thinning is necessary, use clean tap water. Clean tools with warm, soapy water for best results. Spray equipment should be flushed with water first, then immediately flush with mineral spirits.

Before application, concrete must be dry, free of any oils, greases, dirt, paints, chemicals, dust or any foreign matter An acid etch is recommended to open up the pores of the concrete and provide better adhesion. Use a mixture of four gallons water to one gallon hydrochloric acid (25% mixture). Always pour the acid into the water. Pour mixture on to the surface and broom in with a stiff bristle broom. Rinse with clean water, then neutralize cement with a mixture of baking soda and water. Broom this mixture on to the cement, then flush again with clean water. Let concrete dry before applying coating.

PRECAUTIONS:

KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

USE WITH ADEQUATE VENTILATION.

DO NOT TAKE INTERNALLY.

AVOID BREATHING OF VAPOR OR MIST.

TECHNICAL DATA SHEET
BUTOXY 33RC
PAGE 1 OF 2

PRODUCT DESCRIPTION:

One type of ready-mixed, single-component Epoxy Based coating. This product is specifically formulated for corrosion control of magnesium and other metals.

TYPICAL PROPERTIES:

(1). COLORS..... Clear & Full Spectrum.
(2). **ELONGATION:**
Passes 1/8" conical mandrel method per ASTM D-522-60.
(3). **SALT SPRAY FOG METHOD ASTM-117-73:** No blistering, cracking, softening or delamination of film. No rust creepage at scribe and no rusting at edges after 500+ hours.
(4). Excellent Corrosion Resistance
(5). **PENCIL HARDNESS:** 4H
(6). Excellent Solvent, Chemical and Heat Resistance.
(7). Cures within 15 minutes at 400 degrees F.
(8). **WEIGHT/GAL:** 8.23 lbs/gal
(9). **SOLIDS(Volume):** 34-36%
(10). **SPRAYING VISCOSITY:** 16-20 Seconds #2 Zahn Cup.

APPLICATION AND REDUCTION:

(1). Allow part to cool if masking is required. High temperature tape shall be used.
(2). Place part in oven and heat to 400 degrees F for 30 minutes.
(3). Cool magnesium castings in air to a temperature of 100 degrees to 120 degrees F maximum.
(4). Adjust spray or dip consistency with T-77 Thinner by thinning 1:1 by volume and stir well before spraying.
(5). Coat all surface, both exterior and interior, to a thickness of 0.0002 to 0.0006 inch. Unmachined exterior surfaces may receive a maximum coating thickness of 0.0015 inch.
(6). Air dry coating for 25-30 minutes, then bake in a **preheated** oven at 400 degrees F for 25 to 30 minutes.
(7). Cool parts to room temperature and unmask as necessary. Reoil unmasked areas in accordance with CP5015.

STORAGE: Store indoors under normal conditions after from heat or flame. Temp: 40-90 Deg Fahrenheit Shelf life under normal conditions is 6 months from Date of Manufacture.

TECHNICAL DATA SHEET
CERAMICOAT ELASTOMERIC
HEAT SHIELD COATING
PAGE 1 OF 2

PRODUCT: A water-base, ceramic sphere filled, elastomeric coating.

DESCRIPTION: An elastomeric acrylic coating formulated with the addition of ceramic spheres that provide a barrier against sunlight and radiant heat. This coating will insulate the substrate from heat and cold by eliminating heat transfer through the film. It has excellent flexibility for expansion and contraction resistance. Can be used to bridge hairline cracks. Griggs CERAMICOAT is also a fire-retardant coating with a Class B rating, U.L Specification 790.

PROPERTIES:

COLORS	Full Range
SOLIDS(Weight)	71 - 74%
SOLIDS(Volume)	53 - 56%
THEORETICAL COVERAGE	300 sq.ft/gal
ELONGATION	200 - 225%

DRYING TIME-AT 75 DEGREES F:

TO TOUCH	1 - 2 Hours
TO RECOAT	Overnight
VEHICLE TYPE	Elastomeric/Acrylic
WEIGHT/GAL	12.2 to 12.4 lbs/gal

ADVANTAGES:
(1). Insulating Coating
(2). Excellent Exterior Durability
(3). Excellent Flexibility
(4). Extremely Weather Resistant
(5). Fire Retardant

USES:
(1). Stucco
(2). Masonry
(3). Concrete
(4). Polyurethane Roofs
(5). Wood Roofs
(6). Galvanized Steel
(7). Block

APPLICATION & REDUCTION:

Griggs CERAMICOAT is ready for use at packaged consistency. For brushing and rolling, use at packaged consistency.

For spraying, thin only as needed for proper atomization. Thinning is not normally recommended.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application. Cracks and imperfections that are larger than hairline in size must be patched, mildew removed, loose or peeling paint removed by sanding or scraping.

STEEL:
Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

Keep from Freezing.

TECHNICAL DATA SHEET
DC3 SURFACE SEALER

PRODUCT DESCRIPTION:

One type of ready-mixed, single-component Epoxy Based coating. This product is specifically formulated for corrosion control of magnesium and other metals.

TYPICAL PROPERTIES:

(1). COLORS.....Clear & Full Spectrum.
(2). **ELONGATION:**
Passes 1/8" conical mandrel method per ASTM D-522-60.
(3). **SALT SPRAY FOG METHOD ASTM-117-73:** No blistering, cracking, softening or delamination of film. No rust creepage at scribe and no rusting at edges after 500+ hours.
(4). Excellent Corrosion Resistance
(5). **PENCIL HARDNESS:** 4H
(6). Excellent Solvent, Chemical and Heat Resistance.
(7). Cures within 15 minutes at 400 degrees F.
(8). **WEIGHT/GAL:** 8.23 lbs/gal
(9). **SOLIDS(Volume):** 34-36%
(10). **SPRAYING VISCOSITY:** 16-20 Seconds #2 Zahn Cup.

APPLICATION AND REDUCTION:

(1). Allow part to cool if masking is required. High temperature tape shall be used.
(2). Place part in oven and heat to 400 degrees F for 30 minutes.
(3). Cool magnesium castings in air to a temperature of 100 degrees to 120 degrees F maximum.
(4). Adjust spray or dip consistency with T-77 Thinner by thinning 1:1 by volume and stir well before spraying.
(5). Coat all surface, both exterior and interior, to a thickness of 0.0002 to 0.0006 inch. Unmachined exterior surfaces may receive a maximum coating thickness of 0.0015 inch.
(6). Air dry coating for 25-30 minutes, then bake in a **preheated** oven at 400 degrees F for 25 to 30 minutes.
(7). Cool parts to room temperature and unmask as necessary. Reoil unmasked areas in accordance with CP5015.

TECHNICAL DATA SHEET
DC6571-805 HIGH HEAT
ALUMINUM COATING
PAGE 1 OF 2

PRODUCT: A ready mixed, high heat aluminum coating formulated with silicone resin and extra fine lining aluminum flakes.

DESCRIPTION: Griggs DC6571-805 High Heat Aluminum Coating is a silicone coating designed to withstand temperatures of up to 1500 degrees F without failure. The pigment used meets Federal Specification TT-P-320, type I or II, class A. There must be metal to metal contact between the substrate and the aluminum pigment for proper adhesion. This coating may be brushed, rolled or sprayed.

PROPERTIES:

COLOR..... Aluminum
FINISH..... Low Sheen
SOLIDS(Vehicle)..... 13 - 15%
SOLIDS(Volume)..... 26 - 28%
VISCOSITY..... 54 - 67 KU

DRYING TIMES:

TO TOUCH..... 1 hour
DRY HARD..... 3 hours
FULL HARDNESS..... 400 F @ 1 hour

ADVANTAGES:

(1). High Heat Resistance.
(2). Bright Aluminum.
(3). Durable.
(4). Meets TT-P-28E.

USES:

(1). Aerospace Applications.
(2). Boilers.
(3). Heat Exchangers.
(4). Engines.
(5). Exhausts.

TECHNICAL DATA SHEET
DC6571-805 HIGH HEAT
ALUMINUM COATING
PAGE 2 OF 2

APPLICATION: Apply by brush, roller or spray methods. For brush and roll, thin with Xylene Reducer at 10-15% by volume. For spray application, thin with Toluene at 10-15% by volume.

PRODUCT: A ready-mixed, high heat aluminum coating.

SURFACE PREPARATION: All surfaces must be cool, dry free of rust, dirt, scale old paint and any contaminants. There must be metal to metal contact between the substrate and the aluminum pigment in this coating for proper adhesion. A poor preparation of the substrate will result in a poor job.

PRECAUTIONS: Use with adequate ventilation.

Avoid contact with skin and eyes.

Do not take internally.

KEEP OUT OF THE REACH OF CHILDREN.

Vapor Harmful.

Wash hands after using.

TECHNICAL DATA SHEET
DC701 WATER REDUCIBLE
HIGH GLOSS ACRYLIC ENAMEL
PAGE 1 OF 2

PRODUCT: A high-gloss, waterbase, styrenated acrylic latex formulated for extreme water and corrosion resistance. May be used over marginally rusted surfaces.

DESCRIPTION: A high gloss, corrosion resistant, acrylic water reducible enamel for steel, wood, concrete and masonry surfaces. DC701 offers excellent corrosion resistance, early water resistance, and a high gloss finish for use as a waterbase alternative for maintenance, steel, railcar, wood, masonry and OEM finishes.

PROPERTIES:

COLORS..... Full Range
SOLIDS(Weight)..... 48 - 50%
SOLIDS(Volume)..... 39 - 42%
THEORETICAL COVERAGE..... 630 mil sq.ft/gal
DRY FILM THICKNESS..... 2.0 to 2.5 mils p/coat

DRYING TIME-AT 75 DEGREES F:

TO HANDLE..... 10 - 15 Minutes
TO RECOAT..... 20 - 30 Minutes
VEHICLE TYPE..... Styrenated Acrylic
WEIGHT/GAL..... 9.8 - 10.2 lbs/gal

ADVANTAGES:

(1). Superior Corrosion Resistance
(2). Early Water Resistance
(3). Superior Gloss Development & Retention
(4). Excellent Flash Rust Resistance
(5). Low "VOC" Content
(6). Water Clean-Up
(7). UV Resistant Acrylic Film
(8). Direct-to-Metal Coating

USES:

(1). Steel
(2). Machinery
(3). Block/Concrete Walls
(4). Maintenance Finish
(5). Equipment
(6). Wood Surfaces
(7). Tools

APPLICATION & REDUCTION:

DC701 Water-Reducible Acrylic Enamels can be reduced with water up to 20% by volume for spraying applications. For high build applications, however, they can be used as packaged. Thin as needed with water for smooth flow and leveling of the paint film.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application. Remove any rust-scale by power or hand tool cleaning.

STEEL:
Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

KEEP FROM FREEZING.

TECHNICAL DATA SHEET
EPOXY POLYAMINE
COATING DC733
PAGE 1 OF 2

PRODUCT: A two-component epoxy polyamine coating.

DESCRIPTION: Griggs DC733 Epoxy Polyamine Coating is a two-component chemically cured product that forms a film that is resistant to chemicals, solvents, moisture, immersion and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant coating is required. This coating is available in a 1:1 mixture for spray, brush and roll applications. Available in clear and a full range of colors.

PROPERTIES:

SOLIDS(Weight)..... 54 - 58%*
SOLIDS(Volume)..... 45 - 49%*
VISCOSITY..... 70 - 90 KU
COLORS..... Full Range
POT LIFE(77 degrees F)..... 8 - 12 Hours**
TACK FREE..... 3 Hours**
RECOAT..... Overnight**
LIGHT SERVICE..... 24 Hours**
FULL SERVICE..... 7 Days**
** Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.
* Values may vary with color.

ADVANTAGES:

(1). Chemical Resistant
(2). Excellent Topcoat
(3). Meets ASTM Standard Tests (4). Abrasion Resistant
(5). Resistant to Corrosive Fumes

USES:

(1). Steel
(2). Concrete Floors
(3). Equipment
(4). Aerospace Parts(Allied Signal)
(5). Anti-Graffiti Coating
(6). Machinery

TECHNICAL DATA SHEET
EPOXY POLYAMINE
COATING DC733

SURFACE PREPARATION: Surface to be coated must be clean, dry, and free of all foreign contaminants including grease, oil, dirt and loose paint or curing compounds. Dirt and dust are best removed with a stiff bristle brush and by compressed air. Grease and oil should be removed by cleaning with appropriate solvents such as mineral spirits, lacquer wash thinner or xylene. Prime with appropriate coating for system requirements. For immersion service, ask your Griggs representative for special surface preparation recommendations.

MIXING INSTRUCTIONS:
Mix at a ratio of 1:1 by volume with catalyst that is provided(C-1178-66 or C-252-66). Thin as needed with T-262-66 Epoxy Thinner or MIL T-81772B TY.II Thinner.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

CONTENTS ARE FLAMMABLE!

TECHNICAL DATA SHEET
EPOXY POOL PAINT
DC733 LOW VOC
PAGE 1 OF 2

PRODUCT: A two-component epoxy coating.

DESCRIPTION: Griggs Epoxy Coating is a two-component chemically cured product that forms a film that is resistant to chemicals, solvents, moisture, immersion and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant coating is required. This coating is available in a 1:1 mixture for spray, brush and roll applications. LOW-VOC epoxy coating is solvent and chemical resistant with excellent abrasion resistance.

PROPERTIES:

SOLIDS(Weight)..... 54 - 58%*
SOLIDS(Volume)..... 45 - 49%*
VISCOSITY..... 70 - 90 KU
COLORS..... Full Range
POT LIFE(77 degrees F)..... 8 - 12 Hours**
TACK FREE..... 3 Hours**
RECOAT..... Overnight**
LIGHT SERVICE..... 24 Hours**
FULL SERVICE..... 7 Days**
** Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.
* Values may vary with color.

ADVANTAGES:

(1). Chemical Resistant
(2). Excellent Topcoat
(3). Meets ASTM Standard Tests
(4). Abrasion Resistant
(5). Resistant to Corrosive Fumes

TECHNICAL DATA SHEET
EPOXY POOL PAINT
DC733 LOW VOC
PAGE 2 OF 2

SURFACE PREPARATION: Surface to be coated must be clean, dry, and free of all foreign contaminants including grease, oil, dirt and loose paint or curing compounds. Dirt and dust are best removed with a stiff bristle brush and by compressed air. Grease and oil should be removed by cleaning with appropriate solvents or Tri-Sodium Phosphate(TSP) and water solution. Bare plaster and concrete surfaces must be acid etched prior and painting to ensure coating penetration into the surface for proper bonding and adhesion. Previously painted surfaces must be tested for compatibility with this coating.

MIXING INSTRUCTIONS/APPLICATION:

Mix separately, then combine at a ratio of 1:1 by volume. Thoroughly mix both components, then **let catalyzed paint sit for 30 - 45 minutes for "wetting time" to allow for chemical cross linking to start.** Apply by brush, roller or spray application. A minimum of two coats is required for concrete or plaster pools. Thin the first coat 15-20% with T-262-66 epoxy thinner. Apply the second coat at packaged consistency.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

CONTENTS ARE FLAMMABLE.

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

TECHNICAL DATA SHEET
DC740 WATERBORNE WOOD STAIN
PAGE 1 OF 2

PRODUCT: An interior oilbase waterborne wood stain that protects and enhances the natural texture of fine wood.

DESCRIPTION: A ready-to-use interior waterbase wood stain that will protect and beautify the texture of natural wood. Griggs Waterborne Wood Stains contain a blend of resins that seal and stain the wood. It may be applied with or without wiping for interior trim, doors paneling, cabinets and woodwork.

PROPERTIES:

COLORS	FULL RANGE
SOLIDS(Weight)	21 - 30%
SOLIDS(Volume)	17 - 23%
THEORETICAL COVERAGE	350 sq.ft/gal*
DRYING TIME-AT 75 DEGREES F:	
TO HANDLE	2 To 4 Hours
RECOAT TIME	12 - 16 Hours
VEHICLE TYPE	Modified Oils
WEIGHT/GAL	8.6 - 9.2 lbs/gal

* Coverage @ 1 Mil Dry Film.

ADVANTAGES:
(1). Seals and Stains.
(2). Beautifies Natural Grain of Wood.
(3). Low Volatile Organic Compounds.
(4). Wipe or No-Wipe Application.
(5). Water-Cleanup

USES:
(1). Wood Cabinets.
(2). Wood Furniture.
(3). Wood Trim.
(4). Wood Paneling.
(5). Wood Doors.

APPLICATION & REDUCTION:

Griggs Interior Waterborne Wood Stain can be applied by cloth, brush, spray or a combination of all three methods. Mix well before and during use to assure proper pigment suspension.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of stain.

WOOD:

Surface must be clean and free of all oil, grease and foreign material. Surfaces should be prepared by sanding with 180 grit sandpaper and wiped with a tack rag.

PRECAUTIONS:

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
ELECTROSTATIC (611BC)
EPOXY PRIMER

PRODUCT DESCRIPTION:

One type of two-component epoxy based primer/finish coat for the aerospace industry. This product is specifically formulated for corrosion control of metals.

TYPICAL PROPERTIES:

(1). COLOR..... Gloss Equivalent/.#34151 Green (limited color selection if requested).

(2). **ELONGATION:**
Passes 1/8" conical mandrel method per ASTM D-522-60.

(3). **SALT SPRAY FOG METHOD ASTM-117-73:** No blistering, cracking, softening or delamination of film. No rust creepage at scribe and no rusting at edges after 500+ hours.

(4). Excellent Corrosion Resistance

(5). **PENCIL HARDNESS:** 4H

(6). Excellent Solvent, Chemical and Heat Resistance.

(7). **FLASH POINT:** 24 Degrees Fahrenheit

(8). **WEIGHT/GAL:** 9.58 lbs/gal(admixed)

(9). **SOLIDS(Volume):** 33-36%

(10). **SPRAYING VISCOSITY:** 16-20 Seconds #2 Zahn Cup.

APPLICATION AND REDUCTION:

611BC is normally applied over well cleaned, bare metal without the use of pretreatment wash primers. Mix one part epoxy primer with one part of the converter provided in the kit. Allow 45 minutes to one hour wetting time. Spray one cross coat to achieve a dry film thickness of 1.0 - 2.0 mils. Use admixed material within 8 hours. Dry to touch in 30 minutes, to handle in 4 hours and to topcoat within 12 - 18 hours. For baking, allow at least one hour for solvent release, and bake at 180 - 200 degrees Fahrenheit for 45 to 60 minutes.

TECHNICAL DATA SHEET
EPOXY/POLY ANTI-GRAFFITI
HI-BUILD

PRODUCT: A two-component epoxy-modified polyurethane anti-graffiti coating system.

DESCRIPTION: Griggs Epoxy-Modified Polyurethane coating is a high solids chemically cured product that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is designed to seal and protect all masonry surfaces against many types of graffiti and weathering. This coating is available in a 4:1 mixture for spray, brush and roll applications. It has a high solids content for excellent film build and low volatile organic compound content. A two coat system is recommended for proper protection. Apply first coat in order to seal the surface, second coat is applied to achieve a proper film build for protection.

PROPERTIES:

SOLIDS(Weight)..... 63 - 68%
SOLIDS(Volume)..... 53 - 56%
VISCOSITY..... 70 - 90 KU
COLORS..... Full Range
POT LIFE(77 degrees F)..... 6 - 8 Hours*
TACK FREE..... 3 - 4 Hours*
RECOAT..... Overnight*
LIGHT SERVICE..... 24 Hours*
FULL SERVICE..... 7 Days*

* Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.

TECHNICAL DATA SHEET
EPOXY/POLY ANTI-GRAFFITI
HI-BUILD

SURFACE PREPARATION: Surface to be coated must be clean, dry, and free of all foreign contaminants including grease, oil, dirt and loose paint or curing compounds. Dirt and dust are best removed with a stiff bristle brush and by compressed air. Grease and oil should be removed by cleaning with appropriate solvents such as mineral spirits, lacquer wash thinner or xylene. New masonry and concrete surfaces must be cured a minimum of 28 days before application. Prepare cement and concrete surfaces by acid washing with a solution of 1 part muriatic acid to 4 parts water. Always pour the acid into the water to avoid splattering. Pour onto cement surface, broom or brush in with a stiff bristle brush in order to achieve proper etching. Flush thoroughly with clean water, neutralize any remaining acid with a solution of ammonia and water, flush again with clean water. Let dry thoroughly.

APPLICATION: Mix four parts Component 1 to one part Component 2 by volume. Thin first coat up to 50% by volume(2- qts per gal/kit) to achieve proper penetration on bare masonry surfaces. Apply second coat with minimum thinning(up to 1-qt per gal/kit) for proper film build. Thin with Griggs Epoxy/Poly Reducer. This coating may be applied by brush, roll or spray methods.

PRECAUTIONS:

KEEP FROM REACH OF CHILDREN.

KEEP AWAY FROM HEAT, SPARKS OR FLAME.

USE WITH ADEQUATE VENTILATION.

AVOID BREATHING VAPOR OR MIST.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

TECHNICAL DATA SHEET
EPOXY ESTER ALKYD ENAMEL
HI-SOLIDS, LOW "VOC"

PRODUCT: A high quality semigloss, high solids, epoxy modified alkyd enamel.

DESCRIPTION: A specially formulated semigloss industrial epoxy modified alkyd enamel for use as a "direct to metal" topcoat. This coating is high solids with a maximum VOC content of 3.5 pounds per gallon. It is quick dry for increased production applications.

PROPERTIES:

COLORS	Full Spectrum(All Colors)
SOLIDS(Weight)	66 - 69%
SOLIDS(Volume)	48 - 55%
THEORETICAL COVERAGE	780 sq.ft/gal*
RECOMMENDED DRY FILM THICKNESS	1.5 - 2.5 Mils
TO HANDLE	10 - 15 Minutes
DRY THROUGH	2 - 3 Hours
VEHICLE TYPE	Epoxy Ester Alkyd
GLOSS(60 Deg)	25 - 30%

Coverage @ 1 Mil Dry Film.

ADVANTAGES:
(1). High Solids, Low "VOC".
(2). Single Component System.
(3). Extremely Durable.
(4). Excellent Flow and Leveling.
(5). Rust & Corrosion Resistant.
(6). Direct-To-Metal Topcoat.

USES:
(1). Structural Steel.
(2). Metal.
(3). Bridges.
(4). Machinery.
(5). Equipment.

TECHNICAL DATA SHEET
EPOXY ESTER ALKYD ENAMEL
HI-SOLIDS, LOW "VOC"

APPLICATION & REDUCTION:

Griggs Epoxy Ester Alkyd Enamels are formulated for brush, roll or spray application. For spraying, thin up to 15% or as needed with Synthetic Reducer. For brushing, us at packaged consistency or thin as needed with Mineral Spirits.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
GRIGGS EPOXY LOOP SEALANT

PRODUCT: A viscous, two component, liquid epoxy for inductive loops.

DESCRIPTION: Griggs Epoxy Loop Sealant is a high viscosity liquid epoxy formulated for use in sealing inductive wire loops and leads imbedded in asphalt, concrete and portland cement concrete for traffic signal controls and vehicle counters. This epoxy is used for repair work on existing spalls, cracks, and other deformations in and around saw cuts housing inductor loops and leads. The rapid cure allows minimum traffic delay. This sealant is suitable for use in freeze-thaw areas and can be used on grades up to 15 percent without excessive flow of material.

DIRECTIONS FOR USE: Saw cuts shall be blown clean and dry with compressed air to remove all excess moisture and debris. For repairing damaged saw cuts, all loose spalled material shall be cleaned away from saw cut, chipping back to sound asphalt concrete or portland cement concrete and all loose material cleaned from loop wires.
The mixing ratio is approximately 8.4# Component A to 1.4# Component B. Due to the impracticality of this ratio, packaging is premeasured. Open the resin Component "A" (the larger gallon can) and stir to reblend any settlement. If possible, pour into a larger mixing container such as a five gallon plastic pail. Add hardener can "B" and begin to slowly mix. Mix for 2 1/2 to 3 minutes until thoroughly blended with no streaking. No more material shall be mixed than can be used within 10 minutes from the time mixing operations are started.

CHARACTERISTICS:

Gel Time	13-18 minutes
Tensile Strength	400 psi(min)
Elongation	90%(min)
Shore D Hardness	45(min)

TECHNICAL DATA SHEET
EPOXY POLYAMIDE COATING
PAGE 1 OF 2

PRODUCT: A two-component epoxy polyamide coating.

DESCRIPTION: Griggs Epoxy Polyamide Coating is a two- component chemically cured product that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant coating is required. This coating is available in a 1:1 mixture for spray applications and a 3:1 ratio for brush and roll applications. It may be used on many different substrates including metal, wood, masonry, cement, plaster walls and steel. It serves as an excellent floor coating due to its excellent abrasion, mar and chemical resistance.

PROPERTIES:

SOLIDS(Weight)..... 56 - 59%
SOLIDS(Volume)..... 43 - 46%
VISCOSITY..... 70 - 90 KU
COLOR..... Full Range
POT LIFE(77 degrees F)..... 12 - 24 Hours*
TACK FREE..... 6 Hours*
RECOAT..... Overnight*
LIGHT SERVICE..... 24 Hours*
FULL SERVICE..... 7 Days*
* Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.

TECHNICAL DATA SHEET
EPOXY POLYAMIDE COATING
PAGE 2 OF 2

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or curing compounds. Surface may be damp, but standing water must be removed. Concrete should be sandblasted, vacuum blasted or acid etched. If an acid etch is performed, surface must be rinsed and neutralized with a solution of ammonia and water. Mix 1 pint household ammonia to 5 gallons water and scrub surface immediately after water rinse. If recoating an epoxy surface is desired, and coating has cured more than 24 hours at 77 degrees F or cannot be indented with a fingernail, a light sanding with 60-80 grit sandpaper is required for proper adhesion of the new coat.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

TECHNICAL DATA SHEET
EPOXY POLYAMIDE COATING
FLUORESCENT FINISHES
PAGE 1 OF 2

PRODUCT: A two-component fluorescent finish epoxy polyamine coating.

DESCRIPTION: Griggs Epoxy Polyamine Coating is a two- component chemically cured product that forms a film that is resistant to chemicals, solvents, moisture, immersion and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, water, chemical and solvent resistant coating is required. Griggs Fluorescent Finishes are available in Signal Green, Neon Red, Horizon Blue, Aurora Pink, Blaze Orange, Arc Yellow and Corona Magenta. Excellent for use as a high visibility marking coating.

PROPERTIES:

SOLIDS(Weight)	54 - 58%**
SOLIDS(Volume)	45 - 49%**
VISCOSITY	70 - 90 KU
COLORS	Full Range
POT LIFE(77 degrees F)	8 - 12 Hours*
TACK FREE	30 Minutes - 1 Hour*
RECOAT	3 - 5 Hours*

* Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life. Full cure can be accomplished by baking @ 160 - 200 degrees Fahrenheit for 45 - 60 minutes.

** Values may vary with color.

ADVANTAGES:

(1). Solvent/Chemical Resistant
(2). Excellent Topcoat
(3). High Visibility – Fluorescent
(4). "VOC" Compliant Formulation
(5). Abrasion Resistant
(6). Resistant to Corrosive Fumes

TECHNICAL DATA SHEET
EPOXY POLYAMIDE COATING
FLUORESCENT FINISHES

SURFACE PREPARATION/MIXING INSTRUCTIONS:

Surface to be coated must be clean, dry, and free of all foreign contaminants including grease, oil, dirt and loose paint or curing compounds. Dirt and dust are best removed with a stiff bristle brush and by compressed air. Grease and oil should be removed by cleaning with appropriate solvents such as Methyl Ethyl Ketone or EPA Approved Griggs Universal Thinner and Cleaner Number DCT-737. Prime with appropriate coating for system requirements. For immersion service, ask your Griggs representative for special surface preparation recommendations.

Thoroughly mix before use, then combine with catalyst C-1178B at a ratio of 1:1 by volume. Let admixed material stand for 30 45 minutes for induction time. Pot life under normal conditions is 8 to 12 hours. Thin with MIL-T-81772B Type II is necessary.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

FOR INDUSTRIAL USE ONLY.

CONTENTS ARE FLAMMABLE.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

TECHNICAL DATA SHEET
EPOXY POLYAMIDE COATING
HI-BUILD

PRODUCT: A two-component epoxy polyamide coating.

DESCRIPTION: Griggs Epoxy Polyamide Coating is a two- component chemically cured product that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant primer is required. This coating is available in a 1:1 mixture for spray, brush and roll applications. This coating is rust inhibitive and chemical resistant with excellent penetrating properties. It is recommended for use on new metal surfaces or metal surfaces from which previous coatings have been removed.

PROPERTIES:

SOLIDS(Weight)	56 - 59%
SOLIDS(Volume)	43 - 46%
VISCOSITY	70 - 90 KU
COLOR	Full Range
POT LIFE(77 degrees F)	12 - 24 Hours*
TACK FREE	6 Hours*
RECOAT	Overnight*
LIGHT SERVICE	24 Hours*
FULL SERVICE	7 Days*

* Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.

SURFACE PREPARATION: Surface to be coated must be clean, dry, and free of all foreign contaminants including grease, oil, dirt and loose paint or curing compounds. Dirt and dust are best removed with a stiff bristle brush and by compressed air. Grease and oil should be removed by cleaning with appropriate solvents such as mineral spirits, lacquer wash thinner or xylene.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

TECHNICAL DATA SHEET
EPOXY POLYAMIDE TOPCOAT
HI-BUILD

PRODUCT: A two-component hi-build epoxy polyamide coating.

DESCRIPTION: Griggs Epoxy Polyamide Coating is a two- component chemically cured product that forms a film that is resistant to chemicals, solvents, moisture, immersion and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant topcoat is required. This coating is available in a 3:1 mixture for spray, brush and roll applications. HI-BUILD epoxy coating is rust inhibitive and chemical resistant with excellent abrasion resistance.

PROPERTIES:

SOLIDS(Weight)	67 - 71%*
SOLIDS(Volume)	54 - 58%*
VISCOSITY	70 - 90 KU
COLORS	Full Range
POT LIFE(77 degrees F)	12 – 24 Hours**
TACK FREE	3 Hours**
RECOAT	Overnight**
LIGHT SERVICE	24 Hours**
FULL SERVICE	7 Days**
VOLATILE ORGANIC COMPOUNDS	330 g/l*

** Higher temperatures will accelerate dry times and decrease pot life; lower temperatures will lengthen cure times and slightly increase pot life.

*Values may vary with color.

ADVANTAGES:

(1). Chemical Resistant
(2). Self Priming
(3). Meets ASTM Standard Tests
(4). Abrasion Resistant
(5). Resistant to Corrosive Fumes

SURFACE PREPARATION: Surface to be coated must be clean, dry, and free of all foreign contaminants including grease, oil, dirt and loose paint or curing compounds. Dirt and dust are best removed with a stiff bristle brush and by compressed air. Grease and oil should be removed by cleaning with appropriate solvents such as mineral spirits, lacquer wash thinner or xylene. For immersion service, ask your Griggs representative for special surface preparation recommendations.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

TECHNICAL DATA SHEET
EPOXY POLYAMINE
TOPCOAT HI-BUILD
PAGE 1 OF 2

PRODUCT: A two-component epoxy polyamine coating.

DESCRIPTION: Griggs Epoxy Polyamide Coating is a two- component chemically cured product that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant topcoat is required. This coating is available in a 3:1 mixture for spray, brush and roll applications. This coating is rust inhibitive and chemical resistant with excellent abrasion resistance. It is recommended for use on new metal surfaces, concrete, masonry, or any surface which requires a tough, chemical and abrasion resistant coating.

PROPERTIES:

SOLIDS(Weight)..... 53 - 56%
SOLIDS(Volume)..... 40 - 43%
VISCOSITY..... 70 - 90 KU
COLOR..... Full Range
POT LIFE(77 degrees F)..... 12 - 24 Hours*
TACK FREE..... 6 Hours*
RECOAT..... Overnight*
LIGHT SERVICE..... 24 Hours*
FULL SERVICE..... 7 Days*
* Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.

SURFACE PREPARATION: Surface to be coated must be clean, dry, and free of all foreign contaminants including grease, oil, dirt and loose paint or curing compounds. Dirt and dust are best removed with a stiff bristle brush and by compressed air. Grease and oil should be removed by cleaning with appropriate solvents such as mineral spirits, lacquer wash thinner or xylene. An acid wash is recommended for all concrete floors to be coated.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

TECHNICAL DATA SHEET
EPOXY POOL PAINT
HIGH BUILD

PRODUCT: A two-component hi-build epoxy coating for pools.

DESCRIPTION: Griggs Epoxy Swimming Pool Paint is a two-component chemically cured product that forms a film that is resistant to chemicals, solvents, moisture, immersion and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant topcoat is required. This coating is available in a 3:1 mixture for spray, brush and roll applications. HI-BUILD epoxy coating is chemical resistant with excellent abrasion resistance.

PROPERTIES:

SOLIDS(Weight)..... 67 - 71%*
SOLIDS(Volume)..... 54 - 58%*
VISCOSITY..... 75 - 90 KU
COLORS..... Full Range
POT LIFE(77 degrees F)..... 12 - 24 Hours**
TACK FREE..... 3 Hours**
RECOAT..... Overnight**
LIGHT SERVICE..... 24 Hours**
FULL SERVICE..... 7 Days**
VOLATILE ORGANIC COMPOUNDS..... 330 g/l*
** Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.
*Values may vary with color and gloss levels.

ADVANTAGES:

(1). Chemical Resistant
(2). Self Priming
(3). Meets ASTM Standard Tests
(4). Abrasion Resistant
(5). Resistant to Corrosive Fumes

SURFACE PREPARATION: Surface to be coated must be clean, dry, and free of all foreign contaminants including grease, oil, dirt and loose paint or curing compounds. Dirt and dust are best removed with a stiff bristle brush and by compressed air. Grease and oil should be removed by cleaning with appropriate solvents such as mineral spirits, lacquer wash thinner or xylene. Specific surface preparation instructions are available upon request.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

CONTENTS ARE FLAMMABLE.

TECHNICAL DATA SHEET
FLEXI-COAT RUBBERIZED
ELASTOMERIC COATING
PAGE 1 OF 2

PRODUCT: A ready mixed, rubberized elastomeric, solvent base coating.

DESCRIPTION: Griggs FLEXI-COAT elastomeric coating is a specially formulated rubberized paint that has excellent elongation characteristics. This coating creates a "plastic-shield" that protects and insulates the substrate with a film that is flexible and abrasion resistant. It is supplied in high viscosity consistency for high film builds in one application.

PROPERTIES:

COLORS..... White, Red, Black, Yellow, Orange*
FINISH..... Medium Sheen
SOLIDS(Weight)..... 33 - 35%
SOLIDS(Volume)..... 28 - 30%
VISCOSITY..... 100 - 110 KU

DRYING TIMES:

TO TOUCH..... 30 Minutes
DRY HARD..... 3 Hours
FULL CURE..... 24 Hours

* Some light to medium custom tints available

ADVANTAGES:

(1). Rubberized Film
(2). Elastomeric Coating
(3). Durable
(4). Insulates & Protects
(5). Rust & Corrosion Inhibiting

USES:

(1). Steel
(2). Equipment
(3). Concrete
(4). Tools
(5). Wood

TECHNICAL DATA SHEET
FLEXI-COAT RUBBERIZED
ELASTOMERIC COATING
PAGE 2 OF 2

APPLICATION: Apply by dip, brush, roller or spray methods. For brush and roll, thin with Xylene Reduce only as needed for smooth flow. Brush & roll for small areas only, avoid brushing back and forth. For dip and spray, thin with Xylene as necessary for proper flow and atomization.

PRODUCT: A ready-mixed, rubberized, solvent-base elastomeric coating.

SURFACE PREPARATION: All surfaces must be clean, dry free of rust, dirt, scale old paint and any contaminants. A poor preparation of the substrate will result in a poor job with loss of adhesion.

PRECAUTIONS: Use with adequate ventilation.

Avoid contact with skin and eyes.

Do not take internally.

KEEP OUT OF THE REACH OF CHILDREN.

Vapor Harmful.

Wash hands after using.

Contents are FLAMMABLE.

Read MSDS before use.

TECHNICAL DATA SHEET
G & G 305 EPOXY COATING
PAGE 1 OF 3

PRODUCT: A liquid modified 100% solids epoxy coating.

DESCRIPTION: G & G 305 Epoxy Coating is a two-component epoxy coating that contains an extremely high solids content. When fully cured, it forms an extremely tough, glossy, blush-free film that exhibits excellent impact and abrasion resistance. The cured film is unaffected by grease, oil, gasoline, detergents, and most solvents. This epoxy coating is formulated to cure in the presence of moisture. G & G 305 Epoxy Coating can be applied at any mil thickness in a single application due to its high solids content. This coating may be made into a non-skid film by the addition of silica sand or any desired aggregate.

MAJOR USES: G & G Epoxy Coating can be used for flooring and surfacing, patching compounds and seamless floors in garages carports, factories, warehouses and industrial facilities. It also has been used as an adhesive, potting and encapsulation casting, hand lay-up laminating and bonding new to old concrete.

PROPERTIES:

SOLIDS(Weight)..... 100%
TENSIL STRENGTH..... 9500-10000 PSI
TENSIL ELONGATION..... 6-7
COLOR..... Light Gray
POT LIFE(77 degrees F)..... 35-45 Mins.*
TACK FREE..... 7 Hours*
RECOAT..... Overnight*
LIGHT SERVICE..... 24 Hours*
FULL SERVICE..... 5 Days*
* Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.

TECHNICAL DATA SHEET
G & G 305 EPOXY COATING
PAGE 2 OF 3

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or curing compounds. Surface may be damp, but standing water must be removed. Concrete should be sandblasted, vacuum blasted or acid etched. If an acid etch is performed, surface must be rinsed and neutralized with a solution of ammonia and water. Mix 1 pint household ammonia to 5 gallons water and scrub surface immediately after water rinse. If recoating a G & G 305 surface is desired, and coating has cured more than 24 hours at 77 degrees F or cannot be indented with a fingernail, a light sanding with 60-80 grit sandpaper is required for proper adhesion of the new coat.

MIXING INSTRUCTIONS: This material is 100% solids with high viscosity. Mix only that amount of material that can be used in a 45 minute work period at 77 degrees F. Work times are shortened by higher temperatures. For longer pot life(work life) pour mixed material on floor immediately after mixing. Mix 3 Parts A to 1 Part B by volume. Always carefully measure the amounts and mix for 2 full minutes using a wooden stir stick, scraping the bottom and sides of the mixing vessel. Thorough mixing of the material is very important for obtaining a properly cured film.

APPLICATION RECOMMENDATIONS: G & G 305 EPOXY COATING can be applied by brush, roller, notched trowel or airless spray. It is normally applied as received. For application of high build protective coatings to concrete, normal spread rate is 200-300 square feet per gallon. At this spread rate, a dry film thickness of 6-8 mils and a uniform glossy film will be achieved. Application is most easily achieved by pouring the admixed material on the floor, brush trimming the edges and seams and spreading the material with a short nap or carpet roller. Backroll sufficiently to insure a good even distribution of the coating. If a non-slip surface is desired, walk back onto the **uncured** coating wearing golf shoes and sprinkle silica sand from a shaker can into the coating and roll it in with a short nap or carpet roller.

PRECAUTIONS:

USE WITH ADEQUATE VENTILATION.

KEEP OUT OF THE REACH OF CHILDREN.

USE WITH PROPER DUAL CARTRIDGE RESPIRATOR WITH GREEN BAND CARTRIDGE TO PROTECT AGAINST METHYL AMINE VAPORS.

AVOID SKIN CONTACT, WEAR PROTECTIVE GLOVES.

WEAR SAFETY GLASSES OR GOGGLES.

DO NOT BREATHE VAPORS.

READ MATERIAL SAFETY DATA SHEET BEFORE USING THIS COATING.

TECHNICAL DATA SHEET
GILA COAT ASPHALTIC
COATING

PRODUCT DESCRIPTION:

A single component, heavy-duty, high build bituminous coating for exterior use. May be used on steel, galvanized & non- ferrous metals, and concrete.

TYPICAL PROPERTIES:

(1). COLOR..... Black
(2). **DRYING TIME:** 75 Degrees Fahrenheit
To Touch..... 12 Hours
(3). To Recoat..... 24 - 48 Hours
Immersion..... 14 Days
(4). SOLIDS(VOLUME)..... 66 - 70%
(5). THEORETICAL COVERAGE..... 1090 mil sq.ft/gallon
(6). SHELF LIFE..... 2 Years From Date/Mfg

RESISTANCE TO:
Acids.....Excellent
Water.....Excellent
SaltWater.....Excellent
Alkali.....Excellent

APPLICATION AND REDUCTION:

Griggs GILA COAT may be applied by brush, roll or spray methods. Thinning is not normally required, but may be thinned up to 16 ounces per gallon with Xylene or Synthetic Reducer.

TECHNICAL DATA SHEET
HI - HEAT COATING

PRODUCT: A ready mixed, high heat coating formulated with silicone resin.

DESCRIPTION: *Griggs High Heat Coating* is a silicone coating designed to withstand temperatures of 600 to 800 Degrees Fahrenheit, depending on the color. There must be metal to coating contact between the substrate and the coating. *Do not use a primer.* This coating may be brushed, rolled or sprayed.

PROPERTIES:

COLORS..... Full Industrial Range
FINISH..... Low Sheen
SOLIDS(Weight)..... 62- 66%
SOLIDS(Volume)..... 46 - 50%
VISCOSITY..... 60 - 70 KU

DRYING TIMES:

TO TOUCH..... 1 hour
DRY HARD..... 3 hours
FULL HARDNESS..... 400 F @ 1 hour

ADVANTAGES:

(1). High Heat Resistance.
(2). Silicone Alkyd.
(3). Durable.
(4). Air Dry.

USES:

(1). Aerospace Applications.
(2). Boilers.
(3). Heat Exchangers.
(4). Engines.
(5). Exhausts.

APPLICATION: Apply by brush, roller or spray methods. For brush and roll, thin with Xylene Reducer at 10-15% by volume. For spray application, thin with Toluene at 10-15% by volume.

TECHNICAL DATA SHEET
HI - HEAT COATING

PRODUCT: A ready mixed, high heat coating formulated with silicone resin.

DESCRIPTION: *Griggs High Heat Coating* is a silicone coating designed to withstand temperatures of up to 1000 degrees Fahrenheit. There must be metal to coating contact between the substrate and the coating. *Do not use a primer.* This coating may be brushed, rolled or sprayed.

PROPERTIES:

COLORS..... Aluminum & Black
FINISH..... Low Sheen
SOLIDS(Weight)..... 62- 66%
SOLIDS(Volume)..... 46 - 50%
VISCOSITY..... 60 - 70 KU

DRYING TIMES:

TO TOUCH..... 1 hour
DRY HARD..... 3 hours
FULL HARDNESS..... 400 F @ 1 hour

ADVANTAGES:

(1). High Heat Resistance.
(2). Silicone Alkyd.
(3). Durable.
(4). Air Dry.

USES:

(1). Aerospace Applications.
(2). Boilers.
(3). Heat Exchangers.
(4). Engines.
(5). Exhausts.

APPLICATION: Apply by brush, roller or spray methods. For brush and roll, thin with Xylene Reducer at 10-15% by volume. For spray application, thin with Xylene at 10-15% by volume.

TECHNICAL DATA SHEET
HI - HEAT COATING

PRODUCT: A ready mixed, high heat coating formulated with silicone resin.

DESCRIPTION: *Griggs High Heat Coating* is a silicone coating designed to withstand temperatures of up to 1200 degrees Fahrenheit. There must be metal to coating contact between the substrate and the coating. *Do not use a primer.* This coating may be brushed, rolled or sprayed.

PROPERTIES:

COLORS	Limited Selection
FINISH	Low Sheen
SOLIDS(Weight)	62- 66%
SOLIDS(Volume)	46 - 50%
VISCOSITY	60 - 70 KU
DRYING TIMES:	
TO TOUCH	1 - 2 Hours
DRY HARD	3 Hours
FULL HARDNESS	400 F @ 1 Hour

ADVANTAGES:
(1). High Heat Resistance.
(2). Silicone Alkyd.
(3). Durable.
(4). Air Dry.

USES:
(1). Aerospace Applications.
(2). Boilers.
(3). Heat Exchangers.
(4). Engines.
(5). Exhausts.

APPLICATION: Substrate must be properly prepared, clean, dry and free of all oil, grease dirt or foreign substances. For best results abrasive blast steel to near white condition. Apply by brush, roller or spray methods. For brush and roll, use at packaged viscosity or with minimum thinning with Aliphatic Naphtha or Xylene. For spray application, thin with Xylene up to one pint per gallon.

TECHNICAL DATA SHEET
HI-SOLIDS POLYURETHANE
PAGE 1 OF 3

PRODUCT: A two-component aliphatic, polyester polyurethane coating.

DESCRIPTION: Griggs HI-SOLIDS Polyurethane Coating is a two-component chemically cured product that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical, water and abrasion resistant coating is required. Excellent for use as an exterior Anti-Graffiti Coating. This coating is available in a 4:1 mixture for brush, roll and spray applications. It is specially formulated for excellent ultraviolet ray resistance and superior exterior durability.

PROPERTIES:

SOLIDS(Weight)..... 65 - 70%**
SOLIDS(Volume)..... 53 - 57%**
VISCOSITY..... 75 - 90 KU
COLORS..... Full Range
POT LIFE(77 degrees F)..... 6 - 8 Hours*
TACK FREE..... 2 Hours*
DRY HARD..... 8 Hours*
LIGHT SERVICE..... 24 Hours*
FULL SERVICE..... 7 Days*
THEORETICAL COVERAGE..... 337 sq.ft/gal(8.3 sq.m/l)
* Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.
**Values will vary with color.

ADVANTAGES:

(1). Excellent Exterior Durability
(2). Abrasion Resistant
(3). Anti-Graffiti Coating
(4). Meets ASTM Standard Tests
(5). Resistant to Corrosive Fumes
(6). Solvent & Chemical Resistant

USES:

(1). Equipment
(2). Epoxy Primed Concrete Floors
(3). Graffiti Prone Areas / Masonry
(4). Automotive/Heavy Equipment
(5). Parking Garages

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or grease. Greasy or oily surfaces should be solvent cleaned with care taken not to paint over moist or wet surfaces. The recommended primer is 612A Low "VOC" Epoxy Primer. The use of alkyd based primers under this coating is not advisable. Old paint in peeling condition must be removed. Sandblasting or wire brushing are the preferred methods. Chalky paint must also be wire brushed for maximum adhesion.

APPLICATION: Griggs HI-SOLIDS Polyurethane Coating can be brushed rolled or sprayed. Mechanically mix each component, then combine at a ratio of 4:1 by volume. Let admixed material stand for 15 minutes before using to allow for chemical induction. If thinning is required, use Griggs Polyurethane Thinner.

PRECAUTIONS:

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

CONTENTS ARE FLAMMABLE.

TECHNICAL DATA SHEET
HI-SOLIDS POLYURETHANE
PAGE 3 OF 3

RESISTANCE PROPERTIES CHART

EXPOSURE	SPLASH & SPILLAGE	FUMES
Acids	Very Good	Excellent
Alkalies	Very Good	Excellent
Solvents	Very Good	Excellent
Salt	Excellent	Excellent
Water	Excellent	Excellent

Solvent Resistance: Passes Methyl Ethyl Ketone rub test:

A cotton terry-cloth rag shall be soaked in methyl ethyl ketone solvent and rubbed back and forth 25 times(50 passes) over the coating with a firm finger pressure. Rubbing through to bare metal indicates failure due to improper cure.

Heat Resistance: Passes

Continuous: 200 Degrees F
Non-Continuous: 250 Degrees F

Fluid Resistance: Passes

Two test panels shall be separately immersed for 24 hours in MIL-L-23699 lubricating oil at a temperature of 245 - 255 Degrees Fahrenheit and MIL-L-83282 hydraulic fluid at a temperature of 145 - 155 Degrees Fahrenheit. Fours hours after removal, the film shall not exhibit any blistering, softening, dark staining, or other film defects.

TECHNICAL DATA SHEET
HI-SOLIDS POLYURETHANE
FLUORESCENT FINISHES
PAGE 1 OF 2

PRODUCT: A two-component aliphatic, polyester polyurethane fluorescent coating.

DESCRIPTION: Griggs HI-SOLIDS FLOURESCENT POLYURETHANE COATING is a two component chemically cured product that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant coating is required. This coating is available in a 4:1 mixture for brush, roll and spray applications. It is specially formulated for excellent ultraviolet ray resistance and superior exterior durability.

PROPERTIES:

SOLIDS(Weight)..... 65 - 70%**
SOLIDS(Volume)..... 53 - 57%**
VISCOSITY..... 70 - 90 KU
COLORS: SIGNAL GREEN NEON RED
ARC YELLOW HORIZON BLUE
BLAZE ORANGE CORONA MAGENTA
AURORA PINK
POT LIFE(77 degrees F)..... 6 - 8 Hours*
TACK FREE..... 2 Hours*
RECOAT..... Overnight*
LIGHT SERVICE..... 24 Hours*
FULL SERVICE..... 7 Days*
VOC(Maximum)..... 420 g/L

* Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life. **Values will vary with color.

ADVANTAGES:

(1). Excellent Exterior Durability
(2). Abrasion Resistant
(3). Chemical Resistant
(4). High Visibility – Fluorescent
(5). Resistant to Corrosive Fumes
(6). Meets MIL-C-85285B TY.I

TECHNICAL DATA SHEET
HI-SOLIDS POLYURETHANE
FLOURESCENT FINISHES

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or grease. Greasy or oily surfaces should be solvent cleaned with care taken not to paint over moist or wet surfaces. The recommended primer is MIL-P-23377F or MIL-P-85582. The use of alkyd based primers under this coating is not advisable.
Old paint in peeling condition must be removed. Sandblasting or wire brushing are the preferred methods. Chalky paint must also be wire brushed for maximum adhesion.

APPLICATION: Griggs HI-SOLIDS Polyurethane Coating can be brushed rolled or sprayed. Mechanically mix each component, then combine at a ratio of 4:1 by volume. Let admixed material stand for 15 minutes before using to allow for chemical induction. If thinning is required, use Griggs MIL-T-81772B Polyurethane Thinner.

PRECAUTIONS:

USE WITH ADEQUATE VENTILATION.

CONTENTS ARE FLAMMABLE.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

TECHNICAL DATA SHEET
HI-SOLIDS POYURETHANE
METALLIC SERIES
PAGE 1 OF 2

PRODUCT: A two-component aliphatic, polyester polyurethane coating pigmented with metallic flake.

DESCRIPTION: Griggs HI-SOLIDS Polyurethane Coating is a two-component chemically cured product that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant coating is required. Excellent for use as an exterior Anti-Graffiti Coating. This coating is available in a 4:1 mixture for brush, roll and spray applications. It is specially formulated for excellent ultraviolet ray resistance and superior exterior durability.

PROPERTIES:

SOLIDS(Weight)	53 - 55%**
SOLIDS(Volume)	43 - 47%**
VISCOSITY	70 - 90 KU
COLOR	Metallic Pigments
POT LIFE(77 degrees F)	6 - 8 Hours*
TACK FREE	2 Hours*
RECOAT	Overnight*
THEORETICAL COVERAGE	300 - 350 Sq.Ft/Gal**

* Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.
**Values will vary with color.

ADVANTAGES:

(1). Excellent Exterior Durability
(2). Abrasion Resistant
(3). Anti-Graffiti Coating
(4). Metallic Pigmented
(5). Resistant to Corrosive Fumes
(6). Solvent & Chemical Resistant

TECHNICAL DATA SHEET
HI-SOLIDS POYURETHANE
METALLIC SERIES
PAGE 2 OF 2

USES:

(1). Equipment
(2). Exterior Structures
(3). Graffiti Prone Areas

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or grease. Greasy or oily surfaces should be solvent cleaned with care taken not to paint over moist or wet surfaces. The recommended primer is 612A Low "VOC" Epoxy Primer. The use of alkyd based primers under this coating is not advisable. Old paint in peeling condition must be removed. Sandblasting or wire brushing are the preferred methods. Chalky paint must also be wire brushed for maximum adhesion.

APPLICATION: Griggs HI-SOLIDS Polyurethane Coating can be brushed rolled or sprayed. Mechanically mix each component, then combine at a ratio of 4:1 by volume. Let admixed material stand for 15 minutes before using to allow for chemical induction. If thinning is required, use Griggs Polyurethane Thinner.

PRECAUTIONS:

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

CONTENTS ARE FLAMMABLE.

TECHNICAL DATA SHEET
HINGE PACKS TOUCH UP KITS

PRODUCT DESCRIPTION:

One type of conveniently packaged Aerospace related coatings for use when small amounts of two-part paints are required for "touch up" applications.

ADDITIONAL INFORMATION:

(1). COLORS..... All Fed.Std 595B
(2). PACKAGING..... 1 Kit per Poly Bag
(3). SHELF LIFE..... 1 Year from Date of Mfg

PRODUCTS AVAILABLE:

(1). MIL-C-22750D EPOXY POLYAMIDE COATINGS
(2). MIL-P-23377F EPOXY POLYAMIDE PRIMER
(3). 611BC GLOSS GREEN EPOXY PRIMER W/C-1178-66 CONVERTER
(4). P-415A-66 #34151 GREEN W/C-1178-66 CONVERTER
(5). MIL-C-83286B POLYURETHANE COATING
(6). A-423-66 EPOXY COATING W/C-1178-66
(7). DC733 EPOXY COATING W/C-1178-66 CONVERTER
(8). MIL-P-24441B EPOXY POLYAMIDE COATING

DIRECTIONS FOR USE:

Thoroughly mix both components before combining. Always pour the catalyst into the resin component so that proper mixing ratio is achieved. Mix well after combining and let admixed material stand for 20 - 30 minutes before use. Follow all instructions pertaining to the coating being used.

PRECAUTIONS:

CONTENTS ARE FLAMMABLE
KEEP OUT OF REACH OF CHILDREN
USE WITH ADEQUATE VENTILATION
FOR INDUSTRIAL USE ONLY
READ MSDS BEFORE USE

TECHNICAL DATA SHEET
HYDROPOX #1 DTM
HIGH GLOSS ACRYLIC ENAMEL
PAGE 1 OF 2

PRODUCT: A high-gloss, waterbase, epoxy modified, DTM acrylic formulated for extreme water and corrosion resistance. May be used over marginally rusted surfaces, concrete, masonry and wood without a primer.

DESCRIPTION: A high gloss, corrosion resistant, acrylic water reducible enamel for steel. Hydropox #1 DTM offers excellent corrosion resistance and early water resistance. Has a high gloss finish for use as a waterbase alternative for maintenance, concrete floors, wood, masonry, steel, railcar and OEM finishes. This coating is self priming and very versatile for many applications.

PROPERTIES:

COLORS..... Full Range
SOLIDS(Weight)..... 53 - 55%
SOLIDS(Volume)..... 42 - 45%
THEORETICAL COVERAGE..... 645 mil sq.ft/gal
DRY FILM THICKNESS..... 2.0 to 2.5 mils p/coat

DRYING TIME-AT 75 DEGREES F:

TO HANDLE..... Within 30 Minutes*
TO RECOAT..... Within 45 Minutes*
VEHICLE TYPE..... Epoxy Modified Acrylic
WEIGHT/GAL..... 10.3 - 10.7 lbs/gal
*Drying times will be affected by temp/humidity

ADVANTAGES:

(1). Superior Corrosion Resistance
(2). Early Water Resistance
(3). Superior Gloss Development & Retention
(4). Epoxy Modification
(5). Low "VOC" Content
(6). Water Clean-Up
(7). UV Resistant Acrylic Film
(8). Direct-to-Metal Coating

TECHNICAL DATA SHEET
HYDROPOX #1 DTM
HIGH GLOSS ACRYLIC ENAMEL

USES:
(1). Steel
(2). Concrete Floors
(3). Wood
(4). Masonry
(5). Equipment, Tools & Parts
(6). Rail Cars

APPLICATION & REDUCTION:

Hydropox #1 DTM Water-Reducible Acrylic Enamels can be reduced with water up to one pint per gallon for spraying applications. For high build applications, however, they can be used as packaged. Thin as needed with water for smooth flow and leveling of the paint film.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application. Remove any rust-scale by power or hand tool cleaning. It is self-priming for many applications.

STEEL:
Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

KEEP OUT OF THE REACH OF CHILDREN.
Do not take internally.
Avoid breathing vapor or mist.
Do not use in tank or pit without proper protection.
Read Material Safety Data Sheet before use of this product.
KEEP FROM FREEZING.

TECHNICAL DATA SHEET
HYDROPOX #1 WATERBORNE
PAGE 1 OF 2

PRODUCT: An epoxy modified waterborne coating.

DESCRIPTION: A specially formulated epoxy-modified waterborne coating with excellent durability and abrasion resistance. This coating may be applied to masonry, concrete, galvanized iron, steel, brick, wood and other surfaces. Available in all colors, including custom colors and aluminum.

PROPERTIES:
COLORS..... Full Range
SOLIDS(Weight)..... 55 - 65%
THEORETICAL COVERAGE..... 350 - 400 sq.ft/gal
DRY FILM THICKNESS..... 1.5 mils @ 350 sq.ft./gal
DRYING TIME-AT 75 DEGREES F:
TO TOUCH..... 30 Mins.-1 Hour
TO RECOAT..... 2 - 3 Hours
GLOSS..... Full Range

ADVANTAGES:
(1). VOC Compliant.
(2). Abrasion Resistant.
(3). Water Thinnable
(4). Environmentally Safer.
(5). Superior Exterior Durability.

USES:
(1). Steel.
(2). Masonry.
(3). Wood.
(4). Exterior Walls.
(5). Exterior Siding.
(6). Metal

TECHNICAL DATA SHEET
HYDROPOX #1 WATERBORNE
PAGE 2 OF 2

APPLICATION & REDUCTION:
Griggs Hydropox #1 Epoxy-Modified Waterborne Coating may be thinned with water if necessary. Use at packaged consistency for most applications.

SURFACE PREPARATION:
Surface must be clean and free of grease, oil, chalk, dust, and other contaminants.
GALVANIZED IRON: Allow exterior galvanized to weather for six months before painting. Remove grease, grime, dirt, wax and salts by chemical stripper or solvent cleaning. Galvanizing may be treated with chromates, silicates, etc. and may require weathering or brush blasting before painting. If immediate painting is required or surface is protected from weather clean as recommended. Rust must be removed by hand or power tool cleaning per SSPC-SP 3-63. Some forms of water and detergent blast or acid wash may provide an adequate clean surface. A test patch on several areas should be applied and evaluated for adhesion. Prime and topcoat with 2 coats of Griggs Hydropox #1 Epoxy-Modified Waterborne Coating.

PRECAUTIONS:
KEEP OUT OF THE REACH OF CHILDREN.
Do not take internally.
Avoid breathing vapor or mist.
Do not use in tank or pit without proper protection.
Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
HYDROPOX #2 4:1 EPOXY
PAGE 1 OF 2

DESCRIPTION: A two component water base epoxy amine coating that provides excellent adhesion, solvent resistance and abrasion resistance with water clean up. Hydropox #2 provides a film that is comparable with many solvent base systems. It exhibits excellent adhesion to many substrates such as aluminum, cold rolled steel, glass, concrete, masonry, plastics, tile, aged alkyd and epoxy films. Hydropox #2 exhibits less odor than acrylic latex paint and can be applied electrostatically. Hydropox #2 can also be used as an Anti-Graffiti coating. Since it is highly resistant to many solvents after cured, the ordinary paints, such as aerosol paints, can be wiped off without damaging the existing gloss, color or film, even if rubbed. Hydropox #2 is designed for the professional user. It is a true epoxy system and will exhibit properties of solvent based systems. **Always mix at a ratio of 4:1 by volume.**

PROPERTIES:

COLORS	Full Range
FINISH	High Gloss
VEHICLE	Epoxy Amine
SOLIDS BY VOLUME(Mixed)	57 - 59%
SOLIDS BY WEIGHT(Mixed)	66 - 68%
POT LIFE(@70 Degrees F)	*4 - 6 Hrs
DRY-TO-TOUCH	*1-3 Hours
DRY HARD	*24 Hours
FULL CURE	*96 Hours
COVERAGE	300 - 400 sq.ft/gal

*(All pot life and dry times will be affected by temperatures.)

TYPICAL USES:

(1). Steel
(2). Floors
(3). Garages
(4). Wood
(5). Clean Rooms

TECHNICAL DATA SHEET
HYDROPOX #2 4:1 EPOXY
PAGE 2 OF 2

CHARACTERISTICS:

(1). Water Clean-up
(2). Excellent Adhesion
(3). Low V.O.C. Content
(4). Chemical Resistant

APPLICATION & REDUCTION: Hydropox #2 4:1 can be applied by brush, roller or spray. Thin with tap water as required for application and operator preference.

MIXING INSTRUCTIONS: Premix both parts thoroughly before combining. Add 4 parts Component B to 1 part Component A by volume. Thoroughly mix then add tap water as required. Normally, due to this coating's high solids content, 1/2 gallon to 3/4 gallon of water is required to thin paint to a satisfactory rolling, spraying or brushing consistency. If paint does not flow smoothly when applying, add more water until a smooth flow is accomplished. If a retarder solvent is required, add butyl cellosolve as needed not exceeding 6 ounces per kit.

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or curing compounds. Surface may be damp, but standing water must be removed. Concrete should be sandblasted, vacuum blasted or acid etched. If an acid etch is performed, surface must be rinsed and neutralized with a solution of ammonia and water. Mix 1 pint household ammonia to 5 gallons water and scrub surface immediately after water rinse. If recoating an epoxy surface is desired, and coating has cured more than 24 hours at 77 degrees F or cannot be indented with a fingernail, a light sanding with 60-80 grit sandpaper is required for proper adhesion of the new coat.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.
USE WITH ADEQUATE VENTILATION.
AVOID CONTACT WITH SKIN AND EYES.
READ MATERIAL SAFETY DATA SHEET BEFORE USING.

TECHNICAL DATA SHEET
HYDROPOX #3B WATERBORNE
PAGE 1 OF 2

PRODUCT: An epoxy modified waterborne coating.

DESCRIPTION: Griggs Hydropox #3B is a specially formulated epoxy-modified waterborne acrylic coating with excellent durability and abrasion resistance. This coating may be applied to masonry, concrete, galvanized iron, steel, brick, wood and other surfaces. Available in all colors, including custom colors and aluminum.

PROPERTIES:
COLORS..... Full Range
SOLIDS(Weight)..... 55 - 65%
THEORETICAL COVERAGE..... 350 - 400 sq.ft/gal
DRY FILM THICKNESS..... 1.5 mils @ 350 sq.ft./gal
DRYING TIME-AT 75 DEGREES F:
TO TOUCH..... 30 Mins.-1 Hour
TO RECOAT..... 2 - 3 Hours
GLOSS..... Full Range

ADVANTAGES:
(1). VOC Compliant.
(2). Abrasion Resistant.
(3). Water Thinnable
(4). Environmentally Safer.
(5). Superior Exterior Durability.
(6). Interior / Exterior Use

USES:
(1). Steel.
(2). Masonry.
(3). Wood.
(4). Exterior Walls.
(5). Exterior Siding.
(6). Metal
(7). Drywall
(8). Kitchens, Bathrooms

TECHNICAL DATA SHEET
HYDROPOX #3B WATERBORNE
PAGE 2 OF 2

APPLICATION & REDUCTION:
Griggs Hydropox #3B Epoxy-Modified Waterborne Acrylic Coating may be thinned with water if necessary. Use at packaged consistency for most applications.

SURFACE PREPARATION:
Surface must be clean and free of grease, oil, chalk, dust, and other contaminants.
GALVANIZED IRON: Allow exterior galvanized to weather for six months before painting. Remove grease, grime, dirt, wax and salts by chemical stripper or solvent cleaning. Galvanizing may be treated with chromates, silicates, etc. and may require weathering or brush blasting before painting. If immediate painting is required or surface is protected from weather clean as recommended. Rust must be removed by hand or power tool cleaning per SSPC-SP 3-63. Some forms of water and detergent blast or acid wash may provide an adequate clean surface. A test patch on several areas should be applied and evaluated for adhesion. Prime and topcoat with 2 coats of Griggs Hydropox #3B Epoxy-Modified Waterborne Acrylic Coating.

PRECAUTIONS:

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

KEEP FROM FREEZING.

TECHNICAL DATA SHEET
LITOXY SEALER

PRODUCT DESCRIPTION:

Litoxy Sealer is formulated for corrosion control of magnesium and other metals.

TYPICAL PROPERTIES:

(1). COLORS.....Yellow and Green
(2). **ELONGATION:**
Passes 1/8" conical mandrel method per ASTM D-522-60.
(3). **WATER IMMERSION:** No blistering, cracking, softening or delamination of film. No corrosion after 140+ hours in salt water 5% solution ASTM-B117.
(4). **MEK RUB:** 100+ per ASTM D-740, PASSED
(5). **IMPACT TEST:** Direct and reverse, 40 pounds, ASTM G-14 (06.01), PASSED.
(6). **CROSS HATCH TEST:** 100%, ASTM D3359, PASSED
(7). **FALLING SAND TEST:** OTTAWA SAND 20-30 MESH, ASTM D 968-81 METHOD A, PASSED.
(8). **HOT OIL TEST:** MIL-L-7808 48 HOURS @ 300 oF, PASSED
(9). **PENCIL HARDNESS:** 4H
(10). Excellent Solvent, Chemical, Water & Heat Resistance.
(11). Cures within 30 minutes at 350 degrees F.
(12). Excellent Corrosion Resistance
(13). **WEIGHT/GAL:** 10.1 lbs/gal
(14). **SOLIDS(Volume):** 44-46%
(15). **SPRAYING VISCOSITY:** 14-20 Seconds #2 Zahn Cup.

APPLICATION AND REDUCTION:

(1). Allow part to cool if masking is required. High temperature tape shall be used.
(2). Place part in oven and heat to 350 degrees F for 30 minutes.
(3). Cool substrate to room temperature.
(4). Adjust spray or dip consistency with T-60 Thinner. Use a minimum of 2 qts T-60 per gallon of Litoxy.
(5). Coat all surface, both exterior and interior, to a thickness of .50 to 1.0 dry mil.
(6). Air dry coating for 25-30 minutes, then bake in a **preheated** oven at 350 degrees F for 30 minutes minimum. Cool parts to room temperature and unmask as necessary.

TECHNICAL DATA SHEET
LOW VOC QD ENAMEL
PAGE 1 OF 2

501A26	**CHIMNEY SWEEP**
501N06	**NAEGLE BROWN**
501N35	**NEW LAMAR BROWN 2000**
501A45	**CHARCOAL GRAY D507F**
200A03	**DV BACKING GRAY**
501G17	**LATTICE GREEN**
505B02	**GLOSS BLACK**
501N28	**LAMAR STRUCTURE BROWN**
501N33	**JOHN BLACK BROWN**
501A46	**MEADOW OUTDOOR GRAY**

PRODUCT: A lead-free, high-solids alkyd enamel for ferrous metals and wood. Quick dry low-voc enamels are one component, modified alkyd coatings formulated for maximum rust prevention and rapid dry.

DESCRIPTION: A quick-dry, low-voc industrial enamel for metal. Griggs QD enamels are formulated to have an extremely high solids content. These enamels offer excellent production turn around time due to their fast dry properties.

PROPERTIES:
COLORS..... Full Spectrum(All Colors)
SOLIDS(Volume)*..... 45 - 55%
THEORETICAL COVERAGE*..... 350 - 400 sq.ft/gal
DRY FILM THICKNESS..... 2.0 to 3.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
TO HANDLE..... 15 To 30 Minutes
RECOAT TIME..... 60 To 120 Minutes
VEHICLE TYPE..... Modified Alkyd
WEIGHT/GAL*..... 9.9 - 11.2 lbs/gal
TEMPERATURE RESISTANCE..... Up to 300 degrees F
*Values may vary with color.

ADVANTAGES:
(1). Meets Steel Structures Painting Council (S.S.P.C.) requirements.
(2). ASTM B117 Salt Fog Test: 500+ Hours.
(3). ASTM D 522-60 Conical Mandrel Passes: 1/8 in. mandrel
(4). Excellent Corrosion Resistance
(5). Excellent Foundation
(6). Extremely Abrasion Resistant

TECHNICAL DATA SHEET
LOW VOC QD ENAMEL
PAGE 2 OF 2

501A26	**CHIMNEY SWEEP**
501N06	**NAEGLE BROWN**
501N35	**NEW LAMAR BROWN 2000**
501A45	**CHARCOAL GRAY D507F**
200A03	**DV BACKING GRAY**
501G17	**LATTICE GREEN**
505B02	**GLOSS BLACK**
501N28	**LAMAR STRUCTURE BROWN**
501N33	**JOHN BLACK BROWN**
501A46	**MEADOW OUTDOOR GRAY**

USES:
(1). Steel
(2). Machinery
(3). Tanks
(4). Railings
(5). Wood
(6). Towers
(7). Equipment

APPLICATION & REDUCTION:
Griggs Quick-Dry Industrial Enamels are formulated for airless, electrostatic or conventional spray application. For spraying, thin up to 15% or as needed with Synthetic Reducer. For brushing, reduce up to 15% with Mineral Spirits or Synthetic Reducer. Brush small areas only.

SURFACE PREPARATION:
Surface must be clean, dry and free of all contamination before application.

STEEL:
Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:
Contents are FLAMMABLE.
Keep away from heat and open flame.
KEEP OUT OF THE REACH OF CHILDREN.
Do not take internally.
Avoid breathing vapor or mist.
Do not use in tank or pit without proper protection.
Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
MCS6074D AEROSOL
BLACK ENAMEL

PRODUCT DESCRIPTION:

An oil-modified, alkyd enamel aerosol paint. Available in Flat Black and Gloss Black finishes. Contains xylene and acetone solvents in a pressurized aerosol container.

TYPICAL PROPERTIES:

COLOR..... Black
TYPE 1..... Flat
TYPE 2..... Gloss
SHELF LIFE(from date of mfg)..... 5 Years

MIXING:

Shake can vigorously for one minute after marbles rattle. Use at temperatures at or above 70 Degrees Fahrenheit (21 Deg C) and humidity at or below 50%.

Apply several light coats under proper mil thickness is achieved. Recoat within one hour after application, or 48 hours after application.

PRECAUTIONS:

VAPOR HARMFUL.

DO NOT PUNCTURE, BURN OR EXPOSE TO HEAT OR FLAME.

USE ONLY WITH ADEQUATE VENTILATION.

READ MSDS BEFORE USE !!

TECHNICAL DATA SHEET
METALLIC SERIES ACRYLIC COATING
PAGE 1 OF 2

PRODUCT: A durable, metallic pigmented acrylic enamel.

DESCRIPTION: A specially formulated acrylic enamel made from high quality resins and pigmented with metallic flake. This coatings provides a finish that is rust-inhibitive and weather resistant. Available in many colors.

PROPERTIES:

COLORS..... Metallic Flake
FINISH..... High Gloss
SOLIDS(Weight)..... 49 - 53%
SOLIDS(Volume)..... 38 - 42%
THEORETICAL COVERAGE..... 300 - 325 Sq.Ft./Gal

DRYING TIME:

TO TOUCH..... 1 - 2 Hours
TO RECOAT..... 8 - 10 Hours
VEHICLE TYPE..... Acrylic
PIGMENT TYPE..... Metallic Flake

RESISTANCE TO:

CHEMICALS..... Good
WEATHER..... Good
ULTRA VIOLET LIGHT..... Excellent

ADVANTAGES:

(1). Metallic Pigmented
(2). Good Exterior Durability
(3). Rust Inhibitive
(4). Durable

APPLICATION: Griggs Acrylic Enamel can be brushed, rolled or sprayed. Spraying is the recommended form of application. Use at full body consistency for brush and roll. Reduce up to 25% with Xylene for spraying.

TECHNICAL DATA SHEET
METALLIC SERIES ACRYLIC COATING
PAGE 2 OF 2

SURFACE PREPARATION: Surface must be clean, dry and free of oil, grease or loose paint. Greasy or oily surfaces should be solvent cleaned until all oily residue is removed. Do not paint over wet or moist surfaces. Old paint in peeling condition must be removed. Remove by sandblasting or wire brushing. Chalky paint should also be wire brushed for maximum adhesion. Old paint that is firm, clean and free of chalk or grease, may be painted over without further preparation.

PRECAUTIONS: USE ONLY WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH EYES AND SKIN.

DO NOT TAKE INTERNALLY.

KEEP OUT OF THE REACH OF CHILDREN.

AVOID BREATHING VAPOR AND MIST.

CONTENTS ARE FLAMMABLE.

TECHNICAL DATA SHEET
INDUSTRIAL ALKYD ENAMEL
METALLIC SERIES
PAGE 1 OF 2

PRODUCT: A high quality industrial alkyd enamel for use on all wood, metal or masonry surfaces. This product is specially pigmented with metallic flake.

DESCRIPTION: A specially formulated industrial metallic alkyd enamel for wood, metal and masonry surfaces. Griggs Alkyd Enamels are durable, washable, easy to apply and have excellent hide and scrub properties. Special metallic pigmentation can be provided in many colors.

PROPERTIES:

COLORS..... Metallic Flake
SOLIDS(Weight)..... 43 - 48%
SOLIDS(Volume)..... 38 - 42%
THEORETICAL COVERAGE..... 275 - 300 sq.ft/gal*
DRYING TIME-AT 75 DEGREES F:
TO HANDLE..... 1 To 4 Hours
TO RECOAT..... 8 To 10 Hours
VEHICLE TYPE..... Modified Alkyd
WEIGHT/GAL..... 8.5 - 8.9 lbs/gal
* Coverage will vary with color.

ADVANTAGES:

(1). Meets TT-E-489G Specifications.
(2). Excellent Hide.
(3). Extremely Durable.
(4). Excellent Flow and Leveling.
(5). Rust & Corrosion Resistant.
(6). Extremely Washable.

USES:

(1). Wood.
(2). Metal.
(3). Cabinets.
(4). Masonry.
(5). Furniture.
(6). Machinery.

APPLICATION & REDUCTION:

Griggs Metallic Series Alkyd Enamels are formulated for brush, roll or spray application. For spraying, thin up to 15% or as needed with Synthetic Reducer. For brushing, us at packaged consistency or thin as needed with Mineral Spirits.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
MIL-C-22750D TY.I & TY.II
EPOXY POLYAMIDE COATING

PRODUCT DESCRIPTION:

A two-component epoxy-polyamide coating for spray and brush applications, furnished in a packaged kit and suitable for use under air pollution regulations. Formulated for the protection against solvents and chemicals on interior and exterior surfaces. Type II use for low infrared reflective needs.

TYPICAL PROPERTIES:

(1). **COLORS**.....,,,,.... All Fed.Std 595 Colors
(2). **SHELF LIFE**..... 1 Year From Date of Mfg
(3). **DRYING TIME:**
Set-To-Touch: Within 1 Hour
Dry Hard: Within 7 Hours
(4). **Thinner**..... MIL-T-81772B Ty.II
(5). **Gloss Values:**
Gloss: 90 minimum
Semi-Gloss: 15 - 30
Lusterless: 8 maximum, 16 maximum for Gull Gray
(6). **VISCOSITY:**
#4 Ford Cup: 16 seconds, 1 Hour After Mixing

APPLICATION AND REDUCTION:

Each of the two components should be thoroughly mixed separately . Component B is then slowly poured into Component A with constant stirring until a one-to-one ratio is achieved. Reduce the admixed material approximately 50% with MIL-T-81772B TY.II Thinner to achieve a viscosity of 16-18 seconds in a #4 Ford Cup. Mix thoroughly and allow to stand one hour before using. Apply a mist coat and allow to dry 30 minutes. Apply a second coat to a total dry film thickness of 1.4 to 1.8 mils. It is normally applied over MIL-P-23377F. Refer to MIL-C-22751 for additional data.

TECHNICAL DATA SHEET
MIL-C-2275OF EPOXY
HI-SOLIDS COATING

PRODUCT DESCRIPTION:

A two-component, high solids, epoxy coating for spray and brush applications, furnished in a packaged kit and suitable for use under air pollution regulations. Formulated for the protection against solvents and chemicals on interior and exterior surfaces. It is low "VOC" and lead/chromate free.

TYPICAL PROPERTIES:

(1). **COLORS**..... Clear & All Fed.Std 595 Colors
(2). **SHELF LIFE**..... 1 Year From Date of Mfg
(3). **DRYING TIME:**
Set-To-Touch: Within 4 Hours
Dry Hard: Within 8 Hours
(4). **Thinner**..... MIL-T-81772B Ty.II
(5). **Gloss Values:**
Gloss: 90 minimum
Semi-Gloss: 15 - 30
Camouflage: 5 maximum
(6). **VISCOSITY:** (after thinning)
#4 Ford Cup: Max 50 seconds(admixed material)
(7). **VOLATILE ORGANIC COMPOUNDS:**
Max "VOC": 340 grams/liter (2.8 pounds/gallon)

APPLICATION AND REDUCTION: (SPRAYING)

Each of the two components should be thoroughly mixed separately . Component B is then slowly poured into Component A with constant stirring until a three-to-one mixing ratio by volume is achieved. Reduce the admixed material approximately up to 1 pint per gallon with MIL-T-81772B TY.II Thinner to achieve a viscosity of approximately 16-18 seconds in a #4 Ford Cup or as needed for proper atomization. Mix thoroughly and allow to stand one hour before using. Apply a mist coat and allow to dry 30 minutes. Apply a second coat to a total dry film thickness of 1.4 to 1.8 mils. It is normally applied over MIL-P-23377G. Refer to MIL-C-22751 for additional data.

TECHNICAL DATA SHEET
MIL-C-450C BITUMINOUS COATING

PRODUCT DESCRIPTION:

A bituminous, asphalt solvent type coating for application on the interior surfaces of ammunition items such as bombs, shells, rockets, and mines prior to being filled with explosives.

TYPICAL PROPERTIES:

(1). **COLOR**..... Black

(2). **SHELF LIFE**..... 1 Year From Date of Mfg

(3). **DRYING TIME:**
TYPE I: Tack Free - Within 30 Minutes
TYPE II: Tack Free - Within 1 Hour TYPE III: Tack Free - Within 8 Hours * Drying times will be affected by ambient or substrate temperatures, excessive film build thicknesses, or insufficient ventilation.

(4). **SOLIDS(WEIGHT):**..... 45 - 55%

(5). **VISCOSITY:** (#4 Ford Cup)
TYPE I: 15 - 28 Seconds
TYPE II: 120 - 190 Seconds
TYPE III: 150 - 250 Seconds

APPLICATION AND REDUCTION:

Mix thoroughly before use. Thin with Xylol for brushing or spraying up to 1 pint per gallon as needed for proper flow and atomization. May be used directly on properly prepared, clean, metal substrates. For conventional spraying, a minimum 3/8" I.D., 50' maximum material hose and .086" I.D. fluid tip and appropriate air cap is recommended. For airless spraying, a minimum 3/8" I.D. material hose and .023-.035" spray tip size, 2300-2500 output psi, is recommended. For brushing, use a medium bristle brush. For rolling, use a lambskin or equivalent quality cover with a short nap(1/4" - 3/8")

TECHNICAL DATA SHEET
MIL-C-46168D POLYURETHANE
PAGE 1 OF 2

PRODUCT: A two-component, hi-solids aliphatic, CARC polyurethane coating.

DESCRIPTION: Griggs MIL-C-46168D Polyurethane Coating is a two-component chemically cured product that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant coating is required. This coating is available in a 4:1 mixture for brush, roll and spray applications. It is specially formulated for excellent ultraviolet ray resistance and superior exterior durability. It is low "VOC" and high solids to comply with most regulations. Available in both camouflage and non-camouflage for use as a finish coat of military combat equipment.

PROPERTIES:

SOLIDS(Weight)	73 - 76%**
SOLIDS(Volume)	53 - 57%**
VISCOSITY	70 - 85 KU
COLORS	Full Range
POT LIFE(77 degrees F)	6 - 8 Hours*
SET-TO-TOUCH	30 Minutes*
DRY HARD	3 Hours*
DRY THROUGH	4 Hours*
FULL SERVICE	7 Days*

* Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.
**Values will vary with color.

ADVANTAGES:

(1). Excellent Exterior Durability
(2). Abrasion Resistant
(3). Chemical Resistant
(4). Meets MIL-C-46168D Specs.
(5). Resistant to Corrosive Fumes

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or grease. Greasy or oily surfaces should be solvent cleaned with care taken not to paint over moist or wet surfaces. The recommended primer is MIL-P-23377F Type I Epoxy Polyamide. The use of alkyd based primers under this coating is not advisable.
Old paint in peeling condition must be removed. Sandblasting or wire brushing are the preferred methods. Chalky paint must also be wire brushed for maximum adhesion.

APPLICATION: Griggs MIL-C-46168D Polyurethane Coating can be brushed rolled or sprayed. Mechanically mix each component, then combine at a ratio of 4:1 by volume. Let admixed material stand for 15 minutes before using to allow for chemical induction. If thinning is required, use Griggs MIL-T-81772B Type I Polyurethane Thinner.

PRECAUTIONS:

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

CONTENTS ARE FLAMMABLE.

TECHNICAL DATA SHEET
MIL-C-46168D TYPE IV
PAGE 1 OF 2

PRODUCT: A two-component, hi-solids aliphatic, CARC polyurethane coating.

DESCRIPTION: Griggs MIL-C-46168D TY.IV CARC Polyurethane Coating is a two-component chemically cured product that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant coating is required. This coating is supplied in a 4:1 mixture for brush, roll and spray applications. It is specially formulated for excellent ultraviolet ray resistance and superior exterior durability. It is high solids, lead and chromate free to meet Type IV specifications. Available in both camouflage and non-camouflage colors for use as a finish coat of military combat equipment.

PROPERTIES:

SOLIDS(Weight)..... 73 - 76%**
SOLIDS(Volume)..... 53 - 57%**
VISCOSITY..... 70 - 85 KU
VOLATILE ORGANIC COMPOUNDS(VOC)..... 420 G/L (Max)
POT LIFE(77 degrees F)..... 6 - 8 Hours*
SET-TO-TOUCH..... 30 Minutes*
DRY HARD..... 3 Hours*
DRY THROUGH..... 4 Hours*
FULL SERVICE..... 7 Days*

* Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.
**Values will vary with color.

ADVANTAGES:

(1). Excellent Exterior Durability
(2). Abrasion Resistant
(3). Chemical Resistant
(4). Lead & Chromate Free
(5). Resistant to Corrosive Fumes
(6). Low "VOC", High Solids

TECHNICAL DATA SHEET
MIL-C-46168D TYPE IV
PAGE 2 OF 2

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or grease. Greasy or oily surfaces should be solvent cleaned with care taken not to paint over moist or wet surfaces. The recommended primer is MIL-P-23377F Type I Epoxy Polyamide. The use of alkyd based primers under this coating is not advisable.
Old paint in peeling condition must be removed. Sandblasting or wire brushing are the preferred methods. Chalky paint must also be wire brushed for maximum adhesion.

APPLICATION: Griggs MIL-C-46168D Type IV Polyurethane Coating can be brushed rolled or sprayed. Mechanically mix each component, then combine at a ratio of 4:1 by volume. Let admixed material stand for 15 minutes before using to allow for chemical induction. If thinning is required, use Griggs MIL-T-81772B Type I Polyurethane Thinner.

PRECAUTIONS:

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

CONTENTS ARE FLAMMABLE.

TECHNICAL DATA SHEET
MIL-C-81773C POLYURETHANE
PAGE 1 OF 2

PRODUCT: A two-component polyurethane coating conforming to military specification MIL-C-81773C.

DESCRIPTION: MIL-C-81773C Polyurethane Coating is a two-component chemically cured product that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant coating is required. This coating is available in a 1:1 mixture for spray applications. It is specially formulated for aerospace and related use.

PROPERTIES:

SOLIDS(Weight)..... 52 - 59%
SOLIDS(Volume)..... 40 - 46%
VISCOSITY..... 70 - 90 KU
COLOR..... Full Range
POT LIFE(77 degrees F)..... 6 - 8 Hours*
TACK FREE..... 6 Hours*
RECOAT..... Overnight*
LIGHT SERVICE..... 24 Hours*
FULL SERVICE..... 7 Days*
* Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.

TECHNICAL DATA SHEET
MIL-C-81773C POLYURETHANE
PAGE 2 OF 2

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or grease. Greasy or oily surfaces should be solvent cleaned with care taken not to paint over moist or wet surfaces. The recommended primer is MIL-P-23377F Type I Epoxy Polyamide. The use of alkyd based primers under this coating is not advisable.
Old paint in peeling condition must be removed. Sandblasting or wire brushing are the preferred methods. Chalky paint must also be wire brushed for maximum adhesion.

APPLICATION: MIL-C-81773 Polyurethane Coating can be brushed rolled or sprayed. The preferred method is spraying. Mechanically mix each component , then combine at a ratio of 1:1 by volume. Let admixed material stand for 15-30 minutes before using to allow for chemical induction. If thinning is required, use Griggs MIL-T-81772B Polyurethane Thinner.

PRECAUTIONS:

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

TECHNICAL DATA SHEET
MIL-C-83286B POLYURETHANE
PAGE 1 OF 2

PRODUCT: A two-component, isocyanate/polyester polyurethane coating formulated for excellent exterior durability and gloss retention. This coating meets MIL-C-83286B (USAF).

DESCRIPTION: Griggs MIL-C-83286B POLYURETHANE Coating is a two component chemically cured product that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant coating is required. This coating is available in a 1:1 mixture for brush, roll and spray applications. It is specially formulated for excellent ultraviolet ray resistance and superior exterior durability.

PROPERTIES:

SOLIDS(Weight)..... 40 - 45%**,*
SOLIDS(Volume)..... 52 - 55%**,*
VISCOSITY..... 70 - 90 KU
COLORS..... Full Range
POT LIFE(77 degrees F)..... 6 - 8 Hours*
TACK FREE..... 2 Hours
RECOAT..... 1 Hour
LIGHT SERVICE..... 24 Hours
FULL SERVICE..... 7 Days
*Catalyzed values
**Values will vary with color

Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.

ADVANTAGES:

(1). Excellent Exterior Durability
(2). Abrasion Resistant
(3). Chemical Resistant
(4). Meets ASTM Standard Tests
(5). Resistant to Corrosive Fumes

TECHNICAL DATA SHEET
MIL-C-83286B POLYURETHANE
PAGE 2 OF 2

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or grease. Greasy or oily surfaces should be solvent cleaned with care taken not to paint over moist or wet surfaces. The recommended primer is MIL-P-23377F Type I Epoxy Polyamide. The use of alkyd based primers under this coating is not advisable.
Old paint in peeling condition must be removed. Sandblasting or wire brushing are the preferred methods. Chalky paint must also be wire brushed for maximum adhesion.

APPLICATION: Griggs MIL-C-83286B POLYURETHANE Coating can be brushed rolled or sprayed. Mechanically mix each component, then combine at a ratio of 1:1 by volume. Let admixed material stand for 15 to 30 minutes before using to allow for chemical induction. Requires only minimum thinning, is normally ready for application after catalyzation. If thinning is required, use Griggs MIL-T-81772B Polyurethane Thinner.

PRECAUTIONS:

Catalyst component is moisture sensitive. Always immediately secure the lid on the can after use. If a reaction precipitate forms in the can, then moisture contamination has occurred and the catalyst should not be used.

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

SHELF LIFE: 1 YEAR FROM DATE OF MANUFACTURE.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

CONTENTS ARE FLAMMABLE PER UN1263 !

TECHNICAL DATA SHEET
MIL-C-85285C POLYURETHANE
PAGE 1 OF 2

PRODUCT: A two-component aliphatic, polyester polyurethane coating.

DESCRIPTION: Griggs MIL-C-85285C Polyurethane Coating is a two component chemically cured product that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant coating is required. This coating is available in a 4:1 mixture for brush, roll and spray applications. It is specially formulated for excellent ultraviolet ray resistance and superior exterior durability.

PROPERTIES:

SOLIDS(Weight)..... 67 - 70%**
SOLIDS(Volume)..... 55 - 57%**
VISCOSITY..... 70 - 90 KU
GLOSS:@60 DEG
Gloss Colors..... Minimum 90%
Semi-gloss Colors..... 15 - 45%
Camouflage Colors..... Maximum 5%
COLORS..... Full Range
POT LIFE(77 degrees F)..... 6 - 8 Hours*
TACK FREE..... 2 Hours*
RECOAT..... Overnight*
LIGHT SERVICE..... 24 Hours*
FULL SERVICE..... 7 Days*
VOC(Maximum)TYPE I..... 420 g/L
TYPE II..... 340 g/l

* Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life. **Values will vary with color.

ADVANTAGES:

(1). Excellent Exterior Durability
(2). Abrasion Resistant
(3). Chemical Resistant
(4). Meets ASTM Standard Tests
(5). Resistant to Corrosive Fumes
(6). Meets Military Specification

TECHNICAL DATA SHEET
MIL-C-85285C POYURETHANE
PAGE 2 OF 2

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or grease. Greasy or oily surfaces should be solvent cleaned with care taken not to paint over moist or wet surfaces. The recommended primer is MIL-P-23377F or MIL-P-85582. The use of alkyd based primers under this coating is not advisable.
Old paint in peeling condition must be removed. Sandblasting or wire brushing are the preferred methods. Chalky paint must also be wire brushed for maximum adhesion.

APPLICATION: Griggs MIL-C-85285C Polyurethane Coating can be brushed rolled or sprayed. Mechanically mix each component, then combine at a ratio of 4 part pigmented component to 1 part catalyst by volume. Let admixed material stand for 15 minutes before using to allow for chemical induction. If thinning is required, use Griggs MIL-T-81772B Type I Polyurethane Thinner.

PRECAUTIONS:

USE WITH ADEQUATE VENTILATION.

CONTENTS ARE FLAMMABLE.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

TECHNICAL DATA SHEET
ENAMEL, EQUIPMENT,
LIGHT GRAY MIL-DTL-15090D,
FORMULA 111

PRODUCT: A light gray, semigloss, equipment enamel topcoat.

DESCRIPTION: *Griggs MIL-DTL-15090D, Formula 111* is a light gray equipment enamel for use as a topcoat on equipment, furniture and electrical equipment such as switchboard installations. This coating may be used wherever VOC air pollution regulations apply and is an air dry, solvent base topcoat for use in all interior dry areas.

PROPERTIES:

COLOR..... #26307 Light Gray
VOLATILE ORGANIC COMPOUNDS(VOC)..... 340 G/L Max
GRIND..... 5 Minimum
WEIGHT/GALLON..... 10.8 Lbs Min
GLOSS(60 Degree)..... 35 - 50%
VISCOSITY..... 90 KU Max
DRYING TIMES:
TO TOUCH..... Within 2 Hours
TO RECOAT..... Within 6 Hours

ADVANTAGES:

(1). Air Dry.
(2). VOC Compliant
(3). Semigloss Finish
(4). Durable.
(5). Lead/Chromate Free

USES:

(1). Furniture
(2). Equipment
(3). Electrical Equipment

APPLICATION: Apply by spray, brush or roll applications. This coating is normally ready to use, however, if required for operator preference, may be thinned with MIL-T-81772B Type III Reducer.

TECHNICAL DATA SHEET
MIL-E-11195E ENAMEL, FAST DRY
PAGE 1 OF 2

PRODUCT: A fast drying, lusterless, low VOC alkyd enamel.

DESCRIPTION: A fast dry, low volatile organic compound content, lusterless alkyd enamel formulated to meet Federal Specification MIL-E-11195E. This enamel is lead and chromate free and is for use on primed interior and exterior metal surfaces.

PROPERTIES:
COLORS..... All Lusterless 595 Colors
VOC CONTENT..... Less Than 420 G/L
SPECULAR GLOSS..... 2 - 8
VISCOSITY..... 70 KU Maximum
FINENESS OF GRIND..... 5 Minimum
DRYING TIME-AT 75 DEGREES F:
SET-TO-TOUCH..... 6 Minutes Maximum
DRY HARD..... Within 12 Mins.

ADVANTAGES:
(1). Low "VOC" Content
(2). Lead & Chromate Free
(3). Meets MIL-E-11195E
(4). All Lusterless 595 Colors Available
(5). Fast Drying, Lusterless Finish

USES:
(1). Exterior/ Interior Primed Metal
(2). Machinery
(3). Metal Siding
(4). Steel
(5). Equipment
(6). Towers

APPLICATION & REDUCTION:

Griggs MIL-E-11195E Fast Drying, Low VOC, Enamels can be applied by conventional or airless spray application. For spraying, thin up to 1 pint per gallon or as needed for proper atomization with TT-T-306C Type II Thinner. For brushing, reduce up to 10% with TT-T-306C Type II Thinner. Brush small areas only, do not over brush.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

Store under normal conditions.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
MIL-E-15090C FORMULA 111
EQUIPMENT ENAMEL
PAGE 1 OF 2

PRODUCT: A general purpose enamel with good durability for use on steel furniture, machinery and equipment aboard ships or at naval installations. Available in two classes and three types as listed below.

PROPERTIES:

COLORS..... #16307 Gray & #26307 Gray
GRIND..... Not Under 6
SPECULAR GLOSS..... 20 - 65
VISCOSITY..... 67 - 100 KU

DRYING TIME-AT 75 DEGREES F:

TYPE I:
SET-TO-TOUCH: 1 HR,
DRY HARD: 8 HOURS

TYPE II:
DUST FREE: 10 MINS,
TACK-FREE: 30 - 60 MINS.

TYPE III:
BAKE HARD: 30 MINS @ 250 Degrees F.

TYPES/CLASSES:
CLASS 1: GLOSS
CLASS 2: SEMIGLOSS
TYPE I: MEDIUM AIR DRY
TYPE II: FAST AIR DRY
TYPE III: BAKING

USES:
(1). Steel
(2). Machinery
(3). Furniture
(4). Switchboards
(5). Equipment

TECHNICAL DATA SHEET
MIL-E-15090C FORMULA 111
PAGE 2 OF 2

APPLICATION & REDUCTION:

MIL-E-15090C FORMULA 111 Equipment Enamel Type I can be applied by brush or spray with Types II and III designed primarily for spray application. Types I and II should be thinned 15 - 20% with Xylene. Type III should be thinned with Griggs T0123 Griggs Baking Enamel Reducer at 40%-45% by volume for spray application. Spray one tack coat followed by one full wet coat. For Type III, allow part to air dry for 30-45 minutes at room temperature. Pre-heat oven to 250-300 Degrees Fahrenheit, place part in oven and bake for 30-45 minutes.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
MIL-E-52891B(ME)
PAGE 1 OF 2

PRODUCT: A government specification, quick-drying enamel formulated to meet MIL-E-52891B(ME)

DESCRIPTION: *MIL-E-52891B(ME)* is a zinc phosphate type quick-dry lusterless enamel used as a finishing topcoat on primed ammunition components and other metal substrates.

PROPERTIES:

COLORS	Per Fed-Std 595B
GRIND	5 Hegman
VEHICLE SOLIDS(Weight)	18% Minimum
GLOSS(60 Degrees)	8 Maximum
VISCOSITY	67 - 77 KU

DRYING TIMES:

TO TACK FREE	15 Minutes
DRY HARD	72 Hours

ADVANTAGES:
(1). Quick-Drying
(2). Meets MIL-E-52891B(ME)
(3). Rust Resistant
(4). Air Dry Lusterless Finish

USES:
(1). Ammunition Components
(2). Metal Surfaces
(3). Finish Coat

APPLICATION: Apply by brush, roller or spray methods. For brush and roll, thin approximately 10% by volume with Mineral Spirits and apply to small areas only due to fast dry properties. For spray application, thin with Xylene at 10-15% by volume for proper atomization.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application. Prime per specification instructions.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
MIL-E-5558A TY.I
WRINKLE FINISH PAINT
PAGE 1 OF 2

PRODUCT: A bake dry, alkyd base, wrinkle finish enamel.

PROPERTIES: COLORS..... Fed Std. 595B
VOLATILE ORGANIC COMPOUNDS... 420 G/L Maximum

ADVANTAGES:
(1). Exterior Grade
(2). Wrinkle Finish
(3). Meets MIL-E-5558A Type I
(4). Full Color Range, 595 Colors

USES:
(1). Steel
(2). Machinery
(3). Tanks
(4). Aluminum
(5). Equipment
(6). Towers

SURFACE PREPARATION:
Surface must be clean, dry and free of all contamination before application.

APPLICATION:
Thin with Xylol per TT-X-916 as needed for proper atomization or flow. May be applied by spray or brush methods. A recommended alternate method uses a pre-heated oven. This method may be required for a uniform wrinkle finish, as a clean substrate and operator knowledge is very important to a proper job. Pre-heat oven to 250-300 Deg F. Spray apply the coating, then set in pre-heated oven for approximately 2 hours or until the oven cools to room temperature. The end result will vary according to expertise of the applicator, mil thickness of coating and temperature of substrate. Alternate method is to pre-heat the substrate to 250-300 Deg F, spray coating onto substrate using a heavy mil thickness. **Always test this method on a spare part before going into a full production run.**

TECHNICAL DATA SHEET
MIL-E-5558A TY.I
WRINKLE FINISH PAINT
PAGE 2 OF 2

PRECAUTIONS:
Contents are FLAMMABLE.
Keep away from heat and open flame.
KEEP OUT OF THE REACH OF CHILDREN.
Do not take internally.
Avoid breathing vapor or mist.
Do not use in tank or pit without proper protection. Read Material Safety Data Sheet before use of this product.

ALTERNATE APPLICATION METHOD:

Thin with Xylol per TT-X-916 as needed for proper atomization or flow. May be applied by spray or brush methods.

(1). Spray heavy coat of 5-7 wet mils.
(2). Let dry overnight.
(3). Pre-heat oven to 250-300 Deg F.
(4). Bake for 10-15 minutes.
(5). Let air dry for 24-48 hours, or until dry hard.

Always test this method on a spare part before going into a full production run.

TECHNICAL DATA SHEET
MIL-E-7729B
GLOSS ALKYD ENAMEL
PAGE 1 OF 2

PRODUCT: A high grade, single component, air dry, high gloss alkyd enamel formulated for interior and exterior primed metal and wood surfaces.

PROPERTIES:

COLORS	Fed Std. 595B
GRIND	7 Minimum
SPECULAR GLOSS	70 Minimum
VISCOSITY	67 - 77 KU

DRYING TIME-AT 75 DEGREES F:

SET-TO-TOUCH	Within 2 Hours
DRY HARD	Within 8 Hours
FULL HARDNESS	Within 48 Hours

ADVANTAGES:

(1). Interior / Exterior Use
(2). High-Gloss Finish
(3). Meets MIL-E-7729B & TT-E-489G
(4). Full Color Range, 595 Colors
(5). Fast Production Time.

USES:

(1). Steel
(2). Machinery
(3). Tanks
(4). Wood
(5). Equipment
(6). Towers

TECHNICAL DATA SHEET
MIL-E-7729B
GLOSS ALKYD ENAMEL
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs MIL-E-7729B Enamels can be applied by conventional or airless spray application. For spraying, thin up to 10% or as needed with Xylene. For brushing, use as is or with minimum thinning. No catalyst is required, single component coating that will air dry.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day. Wood surfaces must be sanded and primed before application of enamel.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
MIL-L-10287B CELLULOSE
NITRATE LACQUER

PRODUCT DESCRIPTION:

A cellulose nitrate lacquer used in both the manufacture of small arms ammunition for identification purpose and in the assembly of small arms ammunition primers.

TYPICAL PROPERTIES:

COLORS..... Fed.Std. 595B Colors
TYPE I..... Opaque
TYPE II..... Semi-Transparent
DRYING TIME..... Within 4 Minutes
SOLIDS(Wt of Lacquer)..... 30 - 35%

APPLICATION AND REDUCTION:

May be applied by brush, roll, spray or dip tank application. Brush and roll small areas only due to quick drying characteristics. Thin with TT-T-266D up to 1/2 pint per gallon to a viscosity of 40-50 centipoise or as needed for proper application.

STORAGE:

Store Indoors at room temperature.

Keep away from heat, sparks and open flame.

Read MSDS before use.

For industrial use only - Keep from reach of children.

Contents are Flammable.

TECHNICAL DATA SHEET
MIL-L-19537C
ACRYLIC NITRO-CELLULOSE
GLOSS LACQUER
PAGE 1 OF 2

PRODUCT: A general purpose exterior protective coating for metal surfaces. MIL-L-19537C is particularly formulated for resistance to diester lubricating oil, and is primarily intended for spray application. Available in all gloss Fed-Std 595B colors.

PROPERTIES:

COLORS..... All Fed-Std 595B
GRIND..... Not Under 7.5
NON-VOLATILE..... Not Under 40%
VISCOSITY(Reduced)#4 Ford Cup..... Not Over 20 Sec.

DRYING TIME AT 75 DEGREES F:

DRY HARD: WITHIN 40 MINUTES

USES:

(1). Aerospace Applications
(2). Machinery
(3). Steel Surfaces
(4). Equipment
(5). Office Equipment
(6). Computer Cabinets

TECHNICAL DATA SHEET
MIL-L-19537C
ACRYLIC NITRO-CELLULOSE
GLOSS LACQUER

APPLICATION & REDUCTION:

MIL-L-19537C should only be applied by spray application due to its fast dry properties. Thin one part MIL-L-19537C with approximately 2 parts MIL-T-81772B TY.III Thinner. Spray one tack coat followed by one full wet coat being sure to keep a "wet edge" for maximum gloss finish.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of gloss lacquer. Prime per specification requirements.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
MIL-L-19538C
ACRYLIC NITRO-CELLULOSE
CAMOUFLAGE LACQUER
PAGE 1 OF 2

PRODUCT: A nitrocellulose camouflage lacquer for metal surfaces, particularly formulated for resistance to diester lubricating oil, and is primarily intended for spray application. Available in all applicable Fed-Std 595B colors.

PROPERTIES:

COLORS..... All Fed-Std 595B
GRIND..... Not Under 6
NON-VOLATILE..... Not Under 40%
VISCOSITY(Reduced)#4 Ford Cup..... Not Over 20 Sec.

DRYING TIME AT 75 DEGREES F:

DRY HARD: WITHIN 40 MINUTES

USES:

(1). Aerospace Applications
(2). Machinery
(3). Steel Surfaces
(4). Equipment
(5). Office Equipment
(6). Computer Cabinets

TECHNICAL DATA SHEET
MIL-L-19538C
ACRYLIC NITRO-CELLULOSE
CAMOUFLAGE LACQUER

APPLICATION & REDUCTION:

MIL-L-19538C should only be applied by spray application due to its fast dry properties. Brush only small areas. Thin as needed for proper atomization with MIL-T-19544 Reducer.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application. Prime per specification requirements. Intended to be used over a system of wash primer per MIL-C-8514C and lacquer type primer, MIL-P-7962D or epoxy polyamide primer MIL-P-23377F. See specification for recommended primer system.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
MIL-L-46159A
LACQUER, ACRYLIC, LOW REFLECTIVE
PAGE 1 OF 2

PRODUCT: A low reflective acrylic lacquer for aircraft suitable for use under air pollution regulations. It is intended to provide a nonspecular surface for aircraft. It has resistance to diester lubricating oil and is formulated for spray application over epoxy polyamide primer per MIL-P-23377F. Available in bulk liquid form and aerosol cans.

PROPERTIES:

COLORS	Per Fed-Std 595B
GRIND	Maximum 0
GLOSS(60 Degree)	Maximum .5
TOTAL SOLIDS(WEIGHT)	45 - 55%
VISCOSITY	82 - 92 KU
TYPE I:	Spray Application
TYPE II:	Aerosol Cans

DRYING TIME AT 75 DEGREES F:

DRY HARD: WITHIN 40 MINUTES

USES:

(1). Aerospace Applications
(2). Aircraft Surfaces
(3). Low-Reflective Applications

TECHNICAL DATA SHEET
MIL-L-46159A
LACQUER, ACRYLIC, LOW REFLECTIVE
PAGE 2 OF 2

APPLICATION & REDUCTION:

MIL-L-46159A should only be applied by spray application over surfaces primed with MIL-P-23377F. Reduce up to one pint per gallon with MIL-T-81772B TY.III Thinner. Spray a cross coat of primer, 0.6 to 0.9 dry mils thick and allow to air dry 2-3 hours. Spray one tack coat followed by one full wet coat of the topcoat lacquer MIL-L-46159A to achieve a 1.4 - 1.7 dry mils thickness.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application. Non-ferrous metal surfaces should be primed with pretreatment coating MIL-C-8514C or DOD-P-15328D before application of the MIL-P-23377F epoxy primer.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
MIL-L-52043C
SEMIGLOSS LACQUER
PAGE 1 OF 2

PRODUCT: A cellulose nitrate semigloss lacquer which can be applied at either elevated or room temperatures. Colors per FED-STD 595B are available in 12 selections. It is intended for use as a finish coat on chemically treated and/or primed tanks, trucks, automotive components and fire control systems. This lacquer is suitable for use over lacquer resistant primers such as TT-P-664C and TT-P-1757A.

PROPERTIES:

COLORS	12 Fed-Std 595B
GRIND	Not Under 6.0
NON-VOLATILE	Not Under 22%
VISCOSITY(Reduced)#4 Ford Cup	90-130 Seconds
ALIPHATIC HYDROCARBONS	Not Over 20%

DRYING TIME AT 75 DEGREES F:

SET-TO-TOUCH:	4 - 8 MINUTES
DRY THROUGH:	WITHIN 10 MINUTES
DRY HARD:	WITHIN 48 HOURS

USES:

(1). Primed Tanks
(2). Machinery
(3). Primed Steel Surfaces
(4). Equipment
(5). Fire Control Systems
(6). Automotive Components

TECHNICAL DATA SHEET
MIL-L-52043C
SEMIGLOSS LACQUER

APPLICATION & REDUCTION:

MIL-L-52043C should only be applied by spray application due to its fast dry property. Thin one part MIL-L-52043C with approximately 2 parts MIL-T-81772B TY.III Thinner. Spray one tack coat followed by one full wet coat being sure to keep a "wet edge" for a smooth, uniform finish.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of gloss lacquer. Primer per specification requirements.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
MIL-L-81352A ACRYLIC LACQUER
PAGE 1 OF 2

PRODUCT: An exterior acrylic lacquer coating that meets MIL-L-81352A for protection of metal surfaces.

DESCRIPTION: A general purpose, exterior protective acrylic lacquer coating for metal surfaces. This coating is particularly formulated for resistance to diester lubricating oil and heat for the aircraft industry. Available in gloss, semigloss and lusterless finishes.

PROPERTIES:
COLORS..... All 595 Colors
VISCOSITY(#4 Ford Cup)..... 16-22 Seconds
DRY HARD..... Within 40 Minutes
RESISTANT TO:
HEAT
WEATHER
WATER
HYDROCARBONS
LUBRICATING OIL

ADVANTAGES:
(1). Meets MIL-L-81352A
(2). Weather Resistant
(3). Fast Dry
(4). Full Color Range, 595 Colors
(5). Durable Exterior Coating

USES:
(1). Steel
(2). Machinery
(3). Aircraft
(4). Vehicles
(5). Equipment
(6). Towers

APPLICATION & REDUCTION:

Griggs MIL-L-81352A Acrylic Lacquers can be applied by conventional or airless spray application. For spraying, thin up to 10% or as needed with MIL-T-81772B TY.3 or TT-T-266 Thinner. For brushing, reduce up to 10% with MIL-T-81772B TY.3 Thinner Brush small areas only.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
MIL-L-81352B TY.I ACRYLIC LACQUER
PAGE 1 OF 2

PRODUCT: An exterior acrylic lacquer coating that meets MIL-L-81352B Type I for protection of metal surfaces.

DESCRIPTION: A general purpose, exterior protective acrylic lacquer coating for metal surfaces. This coating is particularly formulated for resistance to diester lubricating oil and heat for the aircraft industry. Available in gloss, semigloss and lusterless finishes.

PROPERTIES:
COLORS..... All 595 Colors MAX
VOC..... 340 G/L
DRY HARD..... Within 40 Minutes
RESISTANT TO:
HEAT
WEATHER
WATER
HYDROCARBONS
LUBRICATING OIL

ADVANTAGES:
(1). Meets MIL-L-81352B Type I
(2). Weather Resistant
(3). Fast Dry
(4). Full Color Range, 595 Colors
(5). Durable Exterior Coating

USES:
(1). Steel
(2). Machinery
(3). Aircraft
(4). Vehicles
(5). Equipment
(6). Towers

APPLICATION & REDUCTION:

Griggs MIL-L-81352B Type I Acrylic Lacquers can be applied by conventional or airless spray application. For spraying, thin up to 10% or as needed with MIL-T-81772B TY.3 Thinner. For brushing, reduce up to 10% with MIL-T-81772B TY.3 Thinner Brush small areas only.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
MIL-L-81352B TY. 3 POLYURETHANE
PAGE 1 OF 2

PRODUCT: A two-component aliphatic, polyester polyurethane coating.

DESCRIPTION: Griggs MIL-L-81352B TY.3 Polyurethane Coating is a two component chemically cured exterior coating that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant coating is required. This coating is available in a 4:1 mixture for brush, roll and spray applications. It is specially formulated for excellent ultraviolet ray resistance and superior exterior durability.

PROPERTIES:

SOLIDS(Weight)..... 67 - 70%**
SOLIDS(Volume)..... 55 - 57%**
VISCOSITY..... 70 - 90 KU
GLOSS:@60 DEG
Gloss Colors..... Minimum 80%
Semi-gloss Colors..... 15 - 45%
Camouflage Colors..... Maximum 5%
COLORS..... Full Range
POT LIFE(77 degrees F)..... 6 - 8 Hours*
DRYING TIME..... 40 Minutes*
RECOAT..... Overnight*
LIGHT SERVICE..... 24 Hours*
FULL SERVICE..... 7 Days*
VOC(Maximum)..... 340 g/L
* Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life. **Values will vary with color.

ADVANTAGES:

(1). Excellent Exterior Durability
(2). Abrasion Resistant
(3). Chemical Resistant
(4). Meets ASTM Standard Tests
(5). Resistant to Corrosive Fumes
(6). Meets Military Specification

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or grease. Greasy or oily surfaces should be solvent cleaned with care taken not to paint over moist or wet surfaces. The recommended primer is MIL-P-23377G or MIL-P-85582C applied at a dry film thickness of 0.6 - 0.9 mils.
Old paint in peeling condition must be removed. Abrasive blasting is the preferred method. Chalky paint must also be wire brushed for maximum adhesion.

APPLICATION: Griggs MIL-L-81352B TY.3 Polyurethane Coating can be brushed rolled or sprayed. Mechanically mix each component, then combine at a ratio of 4 part pigmented component to 1 part catalyst by volume. Let admixed material stand for 15 minutes before using to allow for chemical induction. If thinning is required, use Griggs MIL-T-81772B Type I Polyurethane Thinner. Apply at a dry film thickness of 1.7 - 2.3 mils.

PRECAUTIONS:

USE WITH ADEQUATE VENTILATION.

CONTENTS ARE FLAMMABLE.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

TECHNICAL DATA SHEET
MIL-P-14105D
HEAT RESISTING COATING
PAGE 1 OF 2

PRODUCT: A heat-resisting paint intended for use on steel that provides excellent protection.

DESCRIPTION: MIL-P-14105D is a high heat resisting coating intended for use on solvent degreased and abrasive blasted steel surfaces which are subject to temperatures as high as 1,400 Degrees Fahrenheit and exterior weathering.

PROPERTIES:

COLORS	Per Fed.Std.595B
GLOSS(60 Degree)	15 Maximum
SOLIDS(Weight)	70% Minimum
GRIND	4 Minimum
VISCOSITY	65 - 85 KU

DRYING TIMES:

AIR DRY - TACK FREE	Within 1 Hours
BAKING	400 Deg F - 1 Hour

ADVANTAGES:
(1). High Heat Resistance.
(2). Exterior
(3). Durable.

USES:
(1). Mufflers.
(2). Manifolds.
(3). Heat Exchangers.
(4). Engines.
(5). Exhausts.

APPLICATION: Apply by brush, roller or spray methods. For brush and roll, thin with TT-T-291 Reducer at 10-15% by volume to achieve good flow and leveling. For spray application, thin with TT-X-916 Thinner at 10-15% by volume for proper atomization of the coating.

TECHNICAL DATA SHEET
MIL-P-14105D
HEAT RESISTING COATING
PAGE 2 OF 2

APPLICATION & REDUCTION:

MIL-P-14105D Heat Resisting paint can be applied by brush, roller or spray. Brush and roll small areas only. Use a natural bristle brush. Do not over brush Use a short nap mohair roller with a phenolic core. Avoid re-rolling! Thin with TT-T-291(Mineral Spirits) for brush & roll and TT-X-916(Xylene) for spray application. Spray using conventional or airless equipment with teflon packings. Apply coating so as to produce a dry-film thickness of 2.0 - 2.5 mils.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application. Coating must be applied to degreased, bare steel. Abrasive blast to a Near White Finish in accordance with SSPC-SP 10.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN!

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
MIL-P-21600A
PAINT, FLUORESCENT

PRODUCT DESCRIPTION:

A high visibility, durable, exterior, fluorescent paint system including a clear overlay coating containing UV and weather stabilizer which is sold separate from the pigmented fluorescent base coat.

TYPICAL PROPERTIES:

(1). **VEHICLE**..... High Grade Acrylic Resin
(2). **NON-VOLATILE(COLORS)**..... 52% Minimum
(3). **GRIND**..... 5 Minimum
(4). **DRYING TIME**..... Within 1 Hour
(5). **COLORS**..... Clear, Fluo.Red-Orange, Fluo.Yellow Orange

DIRECTIONS FOR USE:

MIL-P-21600A is a single-component paint and ready for use. Thin with TT-X-916 Xylol as needed for proper atomization of paint. Surface to be coated must be clean and free of all dirt and contaminants.

TECHNICAL DATA SHEET
MIL-P-23377F TYI & TYII EPOXY
POLYAMIDE COATING

PRODUCT DESCRIPTION:

A two-component epoxy-polyamide coating for spray and brush applications. Suitable for use as a primer for aliphatic polyurethane topcoats. Furnished in a packaged kit and suitable for use under air pollution regulations. Formulated for the protection against solvents and chemicals on interior and exterior surfaces. Type II use for low infrared reflective needs.

TYPICAL PROPERTIES:

(1). **COLORS**..... Yellow & Dark Green
(2). **SHELF LIFE**..... 1 Year From Date of Mfg
(3). **DRYING TIME:**
Set-To-Touch: Within 15 - 20 minutes Hour Dry Hard: Within 6 Hours
(4). **POT LIFE:** ..... 8 hours

(5). **Gloss Values:** 20 maximum

APPLICATION AND REDUCTION:

Each of the two components should be thoroughly mixed separately . Component B is then slowly poured into Component A with constant stirring until a one-to-one ratio is achieved. Mix components into the Comp.A can and the Comp.B can to intermix both components. Mix thoroughly and allow to stand one hour before using. Apply a mist coat and allow to dry 30 minutes. Apply a second coat to a total dry film thickness of 1.5 to 2.0 mils.

TECHNICAL DATA SHEET
MIL-P-52192B EPOXY PRIMER

PRODUCT DESCRIPTION:

A two-component, air-drying or baking, chemical resistant epoxy primer. Can be used for ferrous and non ferrous metals as well as other substrates.

TYPICAL PROPERTIES:

(1). **COLORS**..... Iron Oxide
(2). **SHELF LIFE**..... 1 Year From Date of Mfg
(3). **DRYING TIME:**
Set-To-Touch: Within 10 minutes.
Dry Hard: Within 90 minutes.
Full Hardness: Within 24 Hours.

(4). **POT LIFE:** ..... 6 - 8 hours(77 Deg F)

(5). **Gloss Value:** 50 maximum

(6). **Mixing Ratio:** 4:1

APPLICATION AND REDUCTION:

Each of the two components should be thoroughly mixed separately . Mix at a ratio of 4 parts Component A to 1 part Component B by volume. Mix thoroughly and allow to stand 30 minutes before using. Pot life is normally six to eight hours at 77 Degrees Fahrenheit. Reduce with MIL-T-81772B Type II Thinner if required.

PRECAUTIONS:

Always read Material Safety Data Sheet before use.

Contents are Flammable

KEEP OUT OF THE REACH OF CHILDREN!

TECHNICAL DATA SHEET
MIL-P-53022B
EPOXY POLYAMIDE PRIMER

PRODUCT DESCRIPTION:

A two-component, flash dry, corrosion inhibiting lead and chromate-free epoxy primer. Can be used for ferrous and non-ferrous metals as well as other substrates. This primer has a low Volatile Organic Compound(VOC) content and can be used to replace MIL-P-23377F and MIL-P-52192 where exposure to lead or chromate pigments is not acceptable. Supplied in white and a light gray color approximate to #26622 of Fed. Std 595B.

TYPICAL PROPERTIES:

(1). **COLORS**..... White & Light Gray
(2). **SHELF LIFE**..... 1 Year From Date of Mfg
(3). **DRYING TIME:**
Set-To-Touch: Within 5 minutes. Hour Dry Hard: Within 90 minutes.
(4). **POT LIFE:** ..... 6 - 8 hours(77 Deg F)
(5). **Gloss Value:** 30 maximum
(6). **Mixing Ratio:** 4:1

APPLICATION AND REDUCTION:

Each of the two components should be thoroughly mixed separately . Mix at a ratio of 4 parts Component A to 1 part Component B by volume. Mix thoroughly and allow to stand 30 minutes before using. Pot life is normally six to eight hours at 77 Degrees Fahrenheit. Reduce with MIL-T-81772B Type II Thinner if required.

PRECAUTIONS:

Always read Material Safety Data Sheet before use.

Contents are Flammable

KEEP OUT OF THE REACH OF CHILDREN!

TECHNICAL DATA SHEET
MIL-PRF-2275OF HI-SOLIDS
LOW VOC EPOXY COATING

PRODUCT DESCRIPTION:

A two-component, hi-solids epoxy coating for spray and brush applications, furnished in a packaged kit and suitable for use under air pollution regulations. Formulated for the protection against solvents and chemicals on interior and exterior surfaces. It is low "VOC" and lead/chromate free.

TYPICAL PROPERTIES:

(1). **COLORS**..... All Fed.Std 595 Colors
(2). **SHELF LIFE**..... 1 Year From Date of Mfg
(3). **DRYING TIME:**
Set-To-Touch..... Within 1 Hour
Dry Hard..... Within 7 Hours
(4). **Thinner**..... MIL-T-81772B Ty.II
(5). **Gloss Values:**
Gloss..... 90 minimum
Semi-Gloss..... 15 - 30
Camouflage..... 5 maximum
(6). **VISCOSITY:** (after thinning)
#4 Ford Cup..... Max 50 seconds(admixed material)
(7). **VOLATILE ORGANIC COMPOUNDS:**
Max "VOC"..... 340 grams/liter (2.8 pounds/gallon)

APPLICATION AND REDUCTION: (SPRAYING)

Each of the two components should be thoroughly mixed separately . Component B is then slowly poured into Component A with constant stirring until a three-to-one ratio by volume is achieved. Reduce the admixed material approximately one pint per gallon with MIL-T-81772B TY.II Thinner to achieve a viscosity of 16-18 seconds in a #4 Ford Cup or for proper atomization. Mix thoroughly and allow to stand one hour before using. Apply a mist coat and allow to dry 30 minutes. Apply a second coat to a total dry film thickness of 1.4 to 1.8 mils. It is normally applied over MIL-PRF-23377G.

TECHNICAL DATA SHEET
MIL-PRF-24635C TY.II, CL.2
SILICONE ALKYD ENAMEL
PAGE 1 OF 2

PRODUCT: An air-dry, low VOC, silicone enamel conforming to MIL-PRF-24635C Type II, Cl.2. It is highly weather resistant with excellent color and gloss retention.

DESCRIPTION: A high grade copolymerized silicone alkyd semigloss enamel intended for use on primed smooth metal surfaces, reinforced plastic, wood and plastic/composite surfaces. It is highly weather resistant and has superior color and gloss retention. Available in color number 26270 per FED.STD 595B, Navy Haze Gray and others as required.

PROPERTIES:

COLORS	Fed.Std 595B
SOLIDS(Weight)	Minimum 63%
VISCOSITY	67 - 77 KU
GLOSS(60 Deg)	45 - 60%

DRYING TIMES:

SET-TO-TOUCH	2 HOURS MAX
DRY HARD	8 HOURS MAX
VOLATILE ORGANIC COMPOUNDS	340 G/L MAX
RECOMMENDED DRY FILM	2 MILS / COAT
VEHICLE TYPE	SILICONE ALKYD

ADVANTAGES:
(1). Excellent Weather Resistance.
(2). Meets MIL-PRF-24635C Ty.II, Cl.2
(3). Excellent Coverage.
(4). Excellent Gloss Retention.
(5). UV Resistant.

USES:
(1). Steel
(2). Machinery
(3). Tanks
(4). Railings
(5). Equipment
(6). Towers

TECHNICAL DATA SHEET
MIL-PRF-24635C TY.II, CL.2
SILICONE ALKYD ENAMEL
PAGE 2 OF 2

APPLICATION & REDUCTION:

MIL-PRF-24635C Ty.II, Cl.2 Silicone Alkyd Enamel may be applied by brush, roll or spray application. For spraying, thin up to eight parts by volume of enamel with one part of thinner in accordance with TT-T-291F or TT-T-306C. For brush or roll, use at packaged consistency or thin only as needed with TT-T-291F for proper flow and ease of application.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination and properly prepared and/or primed before application.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
MIL-PRF-3043C
PERMANENT RESIN COATING

PRODUCT DESCRIPTION:

A thermosetting resin coating for surfaces of engine components and metal parts. Dyed to a semi- transparent blue color which changes to green upon proper baking.

TYPICAL PROPERTIES:

COLOR..... Blue in package, Green after bake
SOLIDS(Volume)..... 13 - 14%

DRYING CYCLE:

After air drying for one hour, the coated parts should be baked until the resin coating exhibits a distinct green coloration. Test procedures call for the metal panels to be baked at 325 Degrees F +/- 5 Degrees, however, the size and shape of the parts may require deviation from this schedule in order to obtain full cure and hardness.

APPLICATION AND REDUCTION:

Normal application is dipping or spraying at packaged viscosity. Apply to a dry film thickness of 0.5 to 0.7 mils. If necessary, thinning may be done with MIL-T-81772B Type 3 or MIL-T-18362 not to exceed 5% by volume.

STORAGE:

Store Indoors at room temperature.

Keep away from heat, sparks and open flame.

Read MSDS before use. For industrial use only.

TECHNICAL DATA SHEET
MIL-PRF-81352B TY.I ACRYLIC LACQUER
PAGE 1 OF 2

PRODUCT: An exterior acrylic lacquer coating that meets MIL-PRF-81352B Type I for protection of metal surfaces.

DESCRIPTION: A general purpose, exterior protective acrylic lacquer coating for metal surfaces. This coating is particularly formulated for resistance to diester lubricating oil and heat for the aircraft industry. Available in gloss, semigloss and lusterless finishes.

PROPERTIES:
COLORS..... All 595 Colors
MAX VOC..... 340 G/L
DRY HARD..... Within 40 Minutes

RESISTANT TO:
HEAT
WEATHER
WATER
HYDROCARBONS
LUBRICATING OIL

ADVANTAGES:
(1). Meets MIL-PRF-81352B Type I
(2). Weather Resistant
(3). Fast Dry
(4). Full Color Range, 595 Colors
(5). Durable Exterior Coating

USES:
(1). Steel
(2). Machinery
(3). Aircraft
(4). Vehicles
(5). Equipment
(6). Towers

APPLICATION & REDUCTION:

Griggs MIL-PRF-81352B Type I Acrylic Lacquers can be applied by conventional or airless spray application. For spraying, thin up to 10% or as needed with MIL-T-81772B TY.3 Thinner. For brushing, reduce up to 10% with MIL-T-81772B TY.3 Thinner Brush small areas only.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
MIL-PRF-81352B
TY. 3 POLYURETHANE

PRODUCT: A two-component aliphatic, polyester polyurethane coating.

DESCRIPTION: Griggs MIL-PRF-81352B TY.3 Polyurethane Coating is a two component chemically cured exterior coating that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant coating is required. This coating is available in a 4:1 mixture for brush, roll and spray applications. It is specially formulated for excellent ultraviolet ray resistance and superior exterior durability.

PROPERTIES:

SOLIDS(Weight)	67 - 70%**
SOLIDS(Volume)	55 - 57%**
VISCOSITY	70 - 90 KU
GLOSS:@60 DEG	
Gloss Colors	Minimum 80%
Semi-gloss Colors	15 - 45%
Camouflage Colors	Maximum 5%
COLORS	Full Range
POT LIFE(77 degrees F)	6 - 8 Hours*
DRYING TIME	40 Minutes*
RECOAT	Overnight*
LIGHT SERVICE	24 Hours*
FULL SERVICE	7 Days*
VOC(Maximum)	340 g/L

* Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.
**Values will vary with color.

TECHNICAL DATA SHEET
MIL-PRF-81352B
TY. 3 POLYURETHANE

ADVANTAGES:

(1). Excellent Exterior Durability
(2). Abrasion Resistant
(3). Chemical Resistant
(4). Meets ASTM Standard Tests
(5). Resistant to Corrosive Fumes
(6). Meets Military Specification

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or grease. Greasy or oily surfaces should be solvent cleaned with care taken not to paint over moist or wet surfaces. The recommended primer is MIL-P-23377G or MIL-P-85582C applied at a dry film thickness of 0.6 - 0.9 mils.
Old paint in peeling condition must be removed. Abrasive blasting is the preferred method. Chalky paint must also be wire brushed for maximum adhesion.

APPLICATION: Griggs MIL-PRF-81352B TY.3 Polyurethane Coating can be brushed rolled or sprayed. Mechanically mix each component, then combine at a ratio of 4 part pigmented component to 1 part catalyst by volume. Let admixed material stand for 15 minutes before using to allow for chemical induction. If thinning is required, use Griggs MIL-T-81772B Type I Polyurethane Thinner. Apply at a dry film thickness of 1.7 - 2.3 mils.

PRECAUTIONS:

USE WITH ADEQUATE VENTILATION.
CONTENTS ARE FLAMMABLE.
AVOID CONTACT WITH SKIN AND EYES.
READ MATERIAL SAFETY DATA SHEET BEFORE USING.
KEEP OUT OF THE REACH OF CHILDREN.
FOR INDUSTRIAL USE ONLY.

TECHNICAL DATA SHEET
MIL-PRF-85285C POLYURETHANE
PAGE 1 OF 2

PRODUCT: A two-component aliphatic, polyester polyurethane coating.

DESCRIPTION: Griggs MIL-PRF-85285C Polyurethane Coating is an aerospace grade, two component chemically cured product that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant coating is required. This coating is available in a 4:1 mixture for brush, roll and spray applications. It is specially formulated for superior ultraviolet ray resistance and exterior durability.

PROPERTIES:

SOLIDS(Weight)..... 67 - 70%**
SOLIDS(Volume)..... 55 - 57%**
VISCOSITY..... 70 - 90 KU
GLOSS:@60 DEG
Gloss Colors..... Minimum 90%
Semi-gloss Colors..... 15 - 45%
Camouflage Colors..... Maximum 5%
COLORS..... Full Range
POT LIFE(77 degrees F)..... 6 - 8 Hours*
TACK FREE..... 2 Hours*
RECOAT..... Overnight*
LIGHT SERVICE..... 24 Hours*
FULL SERVICE..... 7 Days*
VOC(Maximum)TYPE I..... 420 g/L
TYPE II..... 340 g/l
* Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.
**Values will vary with color.

ADVANTAGES:

(1). Excellent Exterior Durability
(2). Abrasion Resistant
(3). Chemical Resistant
(4). Meets ASTM Standard Tests
(5). Resistant to Corrosive Fumes
(6). Meets Military Specification

TECHNICAL DATA SHEET
MIL-PRF-85285C POYURETHANE
PAGE 2 OF 2

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or grease. Greasy or oily surfaces should be solvent cleaned with care taken not to paint over moist or wet surfaces. The recommended primer is MIL-P-23377G or MIL-P-85582. The use of alkyd based primers under this coating is not advisable.
Old paint in peeling condition must be removed. Sandblasting or wire brushing are the preferred methods. Chalky paint must also be wire brushed for maximum adhesion.

APPLICATION: Griggs MIL-PRF-85285C Polyurethane Coating can be brushed rolled or sprayed. Mechanically mix each component, then combine at a ratio of 4 part pigmented component to 1 part catalyst by volume. Let admixed material stand for 15 minutes before using to allow for chemical induction. If thinning is required, use Griggs MIL-T-81772B Type I Polyurethane Thinner.

PRECAUTIONS:

USE WITH ADEQUATE VENTILATION.

CONTENTS ARE FLAMMABLE.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

TECHNICAL DATA SHEET
MIL-PRF-85285D CL.H
PAGE 1 OF 2

PRODUCT: A two-component aliphatic, high solids, low-VOC, polyester polyurethane coating.

DESCRIPTION: Griggs MIL-PRF-85285D, Class H, Polyurethane Coating is a two component chemically cured product that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant coating is required. This coating is available in a 4:1 mixture for brush, roll and spray applications. It is specially formulated for excellent ultraviolet ray resistance and superior exterior durability.

PROPERTIES:

SOLIDS(Weight)	67 - 70%**
SOLIDS(Volume)	55 - 57%**
VISCOSITY(No. 4 Ford Cup)	30 Seconds
GLOSS:@60 DEG	
Gloss Colors	Minimum 90%
Semi-gloss Colors	15 - 45%
Camouflage Colors	Maximum 5%
COLORS	Full Range
POT LIFE(77 degrees F)	Minimum 5 Hours*
SET-TO-TOUCH	Within 6 Hours*
DRY HARD	Within 12 Hours*
VOC(Maximum) TYPE I	420 g/L
TYPE II	340 g/L

* Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.

**Values will vary with color.

TECHNICAL DATA SHEET
MIL-PRF-85285D CL.H
PAGE 2 OF 2

ADVANTAGES:

(1). Excellent Exterior Durability
(2). Abrasion Resistant
(3). Chemical Resistant
(4). Meets ASTM Standard Tests
(5). Resistant to Corrosive Fumes
(6). Meets Military Specification

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or grease. Greasy or oily surfaces should be solvent cleaned with care taken not to paint over moist or wet surfaces. The recommended primer is MIL-PRF-23377G or MIL-P-85582D. The use of alkyd based primers under this coating is not advisable.
Old paint in peeling condition must be removed. Sandblasting or wire brushing are the preferred methods. Chalky paint must also be wire brushed for maximum adhesion.

APPLICATION: Griggs MIL-PRF-85285D, Cl.H Polyurethane Coating can be brushed rolled or sprayed. Mechanically mix each component, then combine at a ratio of 4 part pigmented component to 1 part catalyst by volume. Let admixed material stand for 15 minutes before using to allow for chemical induction. If thinning is required, use Griggs MIL-T-81772B Type I Polyurethane Thinner.

PRECAUTIONS:

USE WITH ADEQUATE VENTILATION.
CONTENTS ARE FLAMMABLE.
AVOID CONTACT WITH SKIN AND EYES.
READ MATERIAL SAFETY DATA SHEET BEFORE USING.
KEEP OUT OF THE REACH OF CHILDREN.
FOR INDUSTRIAL USE ONLY.

TECHNICAL DATA SHEET
MIL-PRF-85285D TY.I, CL.H
PAGE 1 OF 2

PRODUCT: A two-component aliphatic, high solids, low-VOC, polyester polyurethane coating.

DESCRIPTION: Griggs MIL-PRF-85285D Type I, Class H, Polyurethane Coating is a two component chemically cured product that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant coating is required. This coating is available in a 4:1 mixture for brush, roll and spray applications. It is specially formulated for excellent ultraviolet ray resistance and superior exterior durability.

PROPERTIES:

SOLIDS(Weight)..... 67 - 70%**
SOLIDS(Volume)..... 55 - 57%**
VISCOSITY(No. 4 Ford Cup)..... 30 Seconds
GLOSS:@60 DEG
Gloss Colors..... Minimum 90%
Semi-gloss Colors..... 15 - 45%
Camouflage Colors..... Maximum 5%
COLORS..... Full Range
POT LIFE(77 degrees F)..... Minimum 5 Hours*
SET-TO-TOUCH..... Within 6 Hours*
DRY HARD..... Within 12 Hours*
VOC(Maximum)TYPE I..... 420 g/L
* Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life. **Values will vary with color.

ADVANTAGES:

(1). Excellent Exterior Durability
(2). Abrasion Resistant
(3). Chemical Resistant
(4). Meets ASTM Standard Tests
(5). Resistant to Corrosive Fumes
(6). Meets Military Specification

TECHNICAL DATA SHEET
MIL-PRF-85285D TY.I, CL.H

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or grease. Greasy or oily surfaces should be solvent cleaned with care taken not to paint over moist or wet surfaces. The recommended primer is MIL-PRF-23377G or MIL-P-85582D. The use of alkyd based primers under this coating is not advisable.
Old paint in peeling condition must be removed. Sandblasting or wire brushing are the preferred methods. Chalky paint must also be wire brushed for maximum adhesion.

APPLICATION: Griggs MIL-PRF-85285D Ty.I, Cl.H Polyurethane Coating can be brushed rolled or sprayed. Mechanically mix each component, then combine at a ratio of 4 part pigmented component to 1 part catalyst by volume. Let admixed material stand for 15 minutes before using to allow for chemical induction. If thinning is required, use Griggs MIL-T-81772B Type I Polyurethane Thinner.

PRECAUTIONS:

USE WITH ADEQUATE VENTILATION.

CONTENTS ARE FLAMMABLE.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

TECHNICAL DATA SHEET
MIL-V-173C

PRODUCT: An air dry, moisture and fungus resistant clear gloss varnish. Protects and insulates.

DESCRIPTION: Griggs MIL-V-173C type coating is a moisture and fungus resistant varnish for the treatment of communications, electronic and related equipment. May also be used on tools and materials that are to be transported by ship. Dries to a smooth, hard film that resists cracking and splintering.

PROPERTIES:
COLOR..... Clear
FINISH..... Gloss
SOLIDS(Weight)..... 51 - 54%

DRYING TIMES:
SET-TO-TOUCH..... Within 60 Minutes DRY
TACK FREE..... Within 5 Hours

ADVANTAGES:
(1). Fast Dry
(2). Moisture Resistant
(3). Fungus Resistant
(4). Air Dry

USES:
(1). Electronic Equipment
(2). Communications Equipment
(3). Electrical Equipment
(4). Tools
(5). Electric Parts/Wires

APPLICATION: Surface must be clean, dry and properly prepared before application. May be applied by brush, roll or spray.
AEROSOL CANS: Vigorously shake can for one minute to thoroughly mix coating. Shake can occasionally while spraying. Hold can approximately 12" from surface to be painted.

SHELF LIFE: 1 YEAR FROM DATE OF MANUFACTURE ** READ MSDS BEFORE USE **

TECHNICAL DATA SHEET
WALKWAY COMPOUND
NONSLIP MIL-W-5044C

PRODUCT: A non-slip walkway coating with non-skid properties.

DESCRIPTION: ***Griggs*** **MIL-W-5044C WALKWAY COATING** is a single component nonslip walkway compound coating for use on walkways of exterior aircraft surfaces. Type II contains grit for added non-skid properties and is for brushing and rolling applications only.

PROPERTIES:

COLORS..... Per Fed.Std. 595B
TYPE I: Smooth - No Grit
TYPE II: Grit Added
FINISH..... Flat or Semigloss
Solids(Weight)..... 52 - 55%
DRYING TIMES:
TACK FREE..... 15 Minutes
RECOAT..... 30 Minutes
FULL HARDNESS..... 24 Hours

ADVANTAGES:
(1). Non-Slip.
(2). Air Dry.
(3). Fast Dry.
(4). Durable.

USES:
(1). Exterior Aircraft Walkways.
(2). Heavy Traffic Areas.
(3). Non-Slip Requirements.

APPLICATION: Apply by brush or roll methods. Thin with MIL-T-81772B Type III Reducer or TT-X-916 Xylene as needed to facilitate proper flow. Apply in multiple coats as needed for proper film build. Do not apply heavy coats. Do not over brush Type II so that an even distribution of the grit is achieved.

TECHNICAL DATA SHEET
M-Y-R-A ADHESIVE EPOXY
PAGE 1 OF 2

PRODUCT: A liquid modified 100% solids epoxy coating with room temperature curing. Excellent adhesion to concrete and other materials. This coating will cure in the presence of moisture.

MAJOR USES: Flooring and surfacing, patching compounds, adhesives, bonding new and old concrete, potting and encapsulation, casting, hand lay laminating and seamless floors.

PROPERTIES: 100% solids
Tensile strength: 8,000 - 10,000 P.S.I. Tensile elongation: 6 - 7 Pot life at 77 F: 10 30 minutes. Chemical and acid resistance: Excellent (see manufacture for more details)

APPLICATION: MYRA Adhesive Epoxy is supplied in kits that 1 or 5 gallons. This material can be rolled, squeegeed and brushed with proper tools. Mix part A with part B. It is very important to mix both parts well before use. Also very important is the thorough mixing after combining part A with part B. For longer pot life we suggest that after mixing well, admixed material be spread immediately to substrate. The thinner the mil the longer the pot life.

COLORS: Concrete Gray, some pastel colors upon request.

TECHNICAL DATA SHEET
M-Y-R-A ADHESIVE EPOXY
PAGE 2 OF 2

PRECAUTIONS: Take these precautions before the coating dries and during application. **The following applies to Part A and Part B** Harmful or fatal if swallowed. Vapor harmful. Eye irritant. Keep away from heat, sparks, and open flame. Avoid prolonged contact with skin or breathing of vapors. Keep containers closed when not in use. In case of spillage, absorb and dispose of in accordance with local applicable regulations.

Use with adequate ventilation. KEEP OUT OF REACH OF CHILDREN!!! If swallowed do not induce vomiting. CALL A PHYSICIAN IMMEDIATELY

TECHNICAL DATA SHEET
NITROCELLULOSE LACQUER
PAGE 1 OF 2

PRODUCT: A very high quality nitrocellulose lacquer with good durability and gloss. This lacquer originally was designed as an aircraft finishing material, but it is now specified wherever a quality nitrocellulose finishing lacquer is required. The clear may be aluminized (12 ounces of TT-P-320D Aluminum Paste per gallon of clear) to obtain an excellent aluminum lacquer.

PROPERTIES:

COLORS	Clear & Custom Colors
GRIND	Not Under 7.0
PIGMENT CONTENT	Not Under 45%
VISCOSITY(Reduced)#4 Ford Cup	Not Over 20 Sec.
GLOSS	Flat, SG & Gloss

DRYING TIME AT 75 DEGREES F:

DUST FREE: 5 - 10 MINUTES
DRY HARD: WITHIN 60 MINUTES

USES:

(1). Furniture
(2). Machinery
(3). Steel Surfaces
(4). Equipment
(5). Wood
(6). Computer Cabinets

TECHNICAL DATA SHEET
NITROCELLULOSE LACQUER
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Nitrocellulose Lacquer should only be applied by spray application due to its fast dry properties. Thin as needed for proper atomization with Lacquer Thinner. Spray one tack coat followed by one full wet coat being sure to keep a "wet edge" for maximum gloss finish.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
POLYPANE POLYURETHANE
PAGE 1 OF 2

PRODUCT: A two-component, polyester/urethane system designed for excellent exterior durability.

DESCRIPTION: A high quality two-component polyurethane coating that offers excellent exterior durability at an affordable cost. Polypane can be applied by brush, roll or spray on a variety of substrates. This product is available in a variety of colors, with custom colors available upon request. The full range of OSHA safety colors are available for plant maintenance and color coding.

PROPERTIES:

COLORS..... Full Spectrum(All Colors)
SOLIDS(Volume)*..... 39 - 51%
THEORETICAL COVERAGE*..... 885 mil sq.ft/gal
DRY FILM THICKNESS..... 2.0 to 3.0 mils p/coat
DRYING TIME-AT 75 DEGREES F:
TO HANDLE..... 1 To 3 Hours
TO RECOAT..... 12 To 24 Hours
VEHICLE TYPE..... Polyester/Polyurethane
WEIGHT/GAL*..... 8.9 - 11.2 lbs/gal

ADVANTAGES:

(1). Weather Resistant.
(2). Durable and Tough.
(3). Abrasion Resistant.
(4). Excellent Coverage and Hide.
(5). Full Range of Colors.

USES:

(1). Steel
(2). Machinery
(3). Tanks
(4). Railings
(5). Equipment
(6). Towers

TECHNICAL DATA SHEET
POLYPANE POLYURETHANE
PAGE 2 OF 2

APPLICATION & REDUCTION:

Polypane Polyurethane Coating may be brushed, rolled or sprayed. Unreduced Polypane must be catalyzed at an 8:1 ratio with Polypane Catalyst(1 pint per gallon). Thin with Polypane Reducer up to 1 pint per gallon for spray application. For brushing and rolling, use as is or with minimum thinning.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
RENOOZIT DC7337
URETHANE ACRYLIC COATING
PAGE 1 OF 2

PRODUCT: An air-dry, waterbase, urethane acrylic coating. Can be used with or without catalyst.

DESCRIPTION: A high grade water reducible acrylic-urethane emulsion that when used with catalyst. forms a film that is tough and flexible. It has superior UV resistance and outstanding mar and block resistance for use on furniture, wood floors and many types of plastics. If additional durability is desired, catalyze at a ratio of 16:1 by volume with catalyst.

PROPERTIES:

COLORS	Full Range
SOLIDS(Volume)	29.5%
SOLIDS(WEIGHT)	32.0%
pH	8.0
V.O.C. CONTENT	287 g/l

DRYING TIME-AT 75 DEGREES F:

SET-TO-TOUCH	45 MINUTES
DRY HARD	125 MINUTES
DRY THROUGH	4 HOURS
THEORETICAL COVERAGE	200 - 250 SQ.FT/GAL

ADVANTAGES:
(1). Water Base
(2). Fast Hardness Development
(3). Mar Resistant
(4). Outstanding Adhesion
(5). Solvent & Chemical Resistant

USES:
(1). Furniture
(2). Tarps
(3). Plastics
(4). Anti-Graffiti Coating
(5). Awnings
(6). Railings

APPLICATION & REDUCTION:

Griggs Renoozit 3773 may be applied by brush, roll or spray application. Use as is or with minimum thinning for spray application. For application of clear, a pad applicator is recommended for application to floors to prevent air bubbles from forming in the film. If enhanced durability is desired, the addition of catalyst is recommended. Pre-thin the Renoozit with one pint of water per gallon. Then catalyze at a ratio of 16 parts Renoozit to 1 part of catalyst. Pre thinning of the Renoozit before addition of catalyst is critical, as failure to pre-thin will result in loss of gloss and coagulation of the polymer.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application.

WOOD:

Surface must be clean and free of all oil, grease and foreign material. Badly worn or rough wood should be sanded smooth and then cleaned with a tack rag.

PRECAUTIONS:

KEEP FROM FREEZING.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
SIMULATED METALLIC SERIES
WATERBASE ACRYLIC COATING
PAGE 1 OF 2

PRODUCT: A durable, waterborne emulsion acrylic enamel pigmented to simulate a metallic finish.

DESCRIPTION: A specially formulated and pigmented waterbase acrylic enamel made from a special pigment that simulates a metallic flake finish. The high quality durable acrylic resin forms a film that protects and beautifies interior and exterior surfaces.

PROPERTIES:

COLORS..... Simulated Metallic Flake
FINISH..... Matte
SOLIDS(Weight)..... 39 - 43%
SOLIDS(Volume)..... 28 - 32%
THEORETICAL COVERAGE..... 250 - 300 Sq.Ft./Gal

DRYING TIME:

TO TOUCH..... 1 Hour
TO RECOAT..... 4 - 6 Hours
VEHICLE TYPE..... Acrylic Emulsion
PIGMENT TYPE..... Luster Pigmented

RESISTANCE TO:

CHEMICALS..... Good
WEATHER..... Good
ULTRA VIOLET LIGHT..... Excellent

ADVANTAGES:

(1). Luster Non-Metallic Pigmented
(2). Good Exterior Durability
(3). Simulated Metallic Finish
(4). Durable

APPLICATION: Griggs Waterbase Acrylic Metallic Enamel can be brushed, rolled or sprayed. Spraying is the recommended form of application. Use at full body consistency for brush and roll. Reduce up to 15% with clean tap water for spraying.

TECHNICAL DATA SHEET
SIMULATED METALLIC SERIES
WATERBASE ACRYLIC COATING
PAGE 2 OF 2

SURFACE PREPARATION: Surface must be clean, dry and free of oil, grease or loose paint. Greasy or oily surfaces should be solvent cleaned until all oily residue is removed. Do not paint over wet or moist surfaces. Old paint in peeling condition must be removed. Remove by sandblasting or wire brushing. Chalky paint should also be wire brushed for maximum adhesion. Prime per manufacturer's recommendations. Old paint that is firm, clean and free of chalk or grease, may be painted over without further preparation.

PRECAUTIONS: USE ONLY WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH EYES AND SKIN.

DO NOT TAKE INTERNALLY.

KEEP OUT OF THE REACH OF CHILDREN.

AVOID BREATHING VAPOR AND MIST.

KEEP FROM FREEZING.

TECHNICAL DATA SHEET
ACRYLIC ENAMEL
TT-E-001384
PAGE 1 OF 2

PRODUCT: A durable, high gloss, acrylic enamel formulated to give excellent exterior durability. Meets Specification TT-E-001384.

DESCRIPTION: A specially formulated acrylic enamel made from high quality resins and raw materials. Griggs Acrylic Enamel provides a high gloss finish that is rust-inhibitive and weather resistant.

PROPERTIES:

COLORS..... Full Range
FINISH..... High Gloss
SOLIDS(Weight)..... 55-65%
SOLIDS(Volume)..... 40-50%
VISCOSITY..... 65-80 KU
SOLVENT..... Aliphatic Hydrocarbons
COVERAGE..... 400 sq.ft./gal
DRYING TIME:
TO TOUCH..... 1-3 Hours
TO RECOAT..... 12 Hours
VEHICLE TYPE..... Acrylic Modified
PIGMENT TYPE..... Fade Resistant
RESISTANCE TO:
CHEMICALS..... Good
HEAT..... 250 F
WEATHER..... Excellent
ULTRA VIOLET LIGHT..... Excellent

ADVANTAGES:

(1). High Gloss
(2). Excellent Exterior Durability
(3). Rust Inhibitive
(4). High Solids / Low VOC
(5). Excellent Color and Gloss Retention
(6). Excellent Hide and Coverage
(7). Durable & Tough

TECHNICAL DATA SHEET
ACRYLIC ENAMEL
TT-E-001384
PAGE 2 OF 2

APPLICATION: Griggs Acrylic Enamel can be brushed, rolled or sprayed. Spraying is the recommended form of application. Use at full body consistency for brush and roll. Reduce up to 25% with Xylene for spraying. May be mixed with an Acrylic Urethane Catalyst for increased performance. Mix 1 pint of catalyst to 1 gallon of acrylic(8:1).

SURFACE PREPARATION: Surface must be clean, dry and free of oil, grease or loose paint. Greasy or oily surfaces should be solvent cleaned until all oily residue is removed. Do not paint over wet or moist surfaces. Old paint in peeling condition must be removed. Remove by sandblasting or wire brushing. Chalky paint should also be wire brushed for maximum adhesion. Old paint that is firm, clean and free of chalk or grease, may be painted over without further preparation.

Prime ferrous metals with TT-P-636 Primer or equal quality type primer. Non-Ferrous metals must be primed with DOD-P-15328 Metal Pretreatment Wash Primer prior to application of TT-P-636 for increased adhesion.

PRECAUTIONS: USE ONLY WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH EYES AND SKIN.

DO NOT TAKE INTERNALLY.

KEEP OUT OF THE REACH OF CHILDREN.

AVOID BREATHING VAPOR AND MIST.

TECHNICAL DATA SHEET
TT-E-485F

PRODUCT: A rust inhibiting semigloss enamel formulated to meet TT-E-485F.

DESCRIPTION: *TT-E-485F*
is a semigloss rust inhibiting enamel for use on metal as a one or two coat primer/finishing coating system available in four types.
TYPE I: Dip Application
TYPE II: Brush & Roller Application TYPE III: Roller Coat Application TYPE IV: Flash Dry Application

PROPERTIES:
COLORS..... #24087 & #24064 Green
FINISH..... Semi-Gloss
SOLIDS(Weight)..... 56 - 75%
PIGMENT(Weight)..... 30 - 55%
VISCOSITY(#4 Ford Cup)..... 75 - 200 Secs
DRYING TIMES:
TO TOUCH..... Within 3 Hours
DRY THROUGH..... Within 16 Hours
DRY HARD..... Within 72 Hours

ADVANTAGES:
(1). Rust Inhibiting
(2). Primer / Topcoat System
(3). Resistant to Abrasion
(4). Air Dry

USE: Properly prepared metal surfaces.

APPLICATION: Apply by brush, roller or spray methods. For brush and roll, thin with MIL-T-81772B Type III up to one pint per gallon. For spray application, thin with MIL-T-81772B Type III at 10-15% by volume or for proper atomization.

TECHNICAL DATA SHEET
TT-E-489G CL.A ALKYD
GLOSS ENAMEL
PAGE 1 OF 2

PRODUCT: A high grade, single component, air dry, high gloss alkyd enamel formulated for interior and exterior primed metal and wood surfaces.

PROPERTIES:

COLORS	Fed Std. 595B
GRIND	7 Minimum
SPECULAR GLOSS	70 Minimum
VISCOSITY	67 - 77 KU
DRYING TIME-AT 75 DEGREES F:	
SET-TO-TOUCH	Within 2 Hours
DRY HARD	Within 8 Hours
FULL HARDNESS	Within 48 Hours

ADVANTAGES:

(1). Interior / Exterior Use
(2). High-Gloss Finish
(3). Meets TT-E-489G
(4). Full Color Range, 595 Colors
(5). Fast Production Time.

USES:

(1). Steel
(2). Machinery
(3). Tanks
(4). Wood
(5). Equipment
(6). Towers

APPLICATION & REDUCTION:

Griggs TT-E-489G Enamels can be applied by conventional or airless spray application. For spraying, thin up to 10% or as needed with Xylene. For brushing, use as is or with minimum thinning. No catalyst is required, single component coating that will air dry.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day. Wood surfaces must be sanded and primed before application of enamel.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
TT-E-489H ALKYD
GLOSS ENAMEL
PAGE 1 OF 2

PRODUCT: A high grade, high gloss alkyd enamel formulated for interior and exterior primed metal and wood surfaces. Low VOC, high-solids formulation.

PROPERTIES:

COLORS	Fed Std. 595B
GRIND	7 Minimum
SPECULAR GLOSS	70 Minimum
VISCOSITY	67 - 77 KU
DRYING TIME-AT 75 DEGREES F:	
SET-TO-TOUCH	Within 2 Hours
DRY HARD	Within 8 Hours
FULL HARDNESS	Within 48 Hours

ADVANTAGES:

(1). Interior / Exterior Use
(2). High-Gloss Finish
(3). Meets TT-E-489H
(4). Full Color Range, 595 Colors
(5). Fast Production Time.

USES:

(1). Steel
(2). Machinery
(3). Tanks
(4). Wood
(5). Equipment
(6). Towers

TECHNICAL DATA SHEET
TT-E-489H ALKYD
GLOSS ENAMEL
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs TT-E-489H Enamels can be applied by conventional or airless spray application. For spraying, thin up to 10% or as needed with Xylene or TT-T-306C. For brushing, use as is or with minimum thinning.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application.

STEEL:
Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day. Wood surfaces must be sanded and primed before application of enamel.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
TT-E-489J ALKYD
GLOSS ENAMEL
PAGE 1 OF 2

PRODUCT: A high grade, high gloss alkyd enamel formulated for interior and exterior primed metal and wood surfaces. Low VOC, high-solids formulation to meet TT-E-489J specification.

PROPERTIES:

COLORS	Fed Std. 595B
GRIND	7 Minimum
SPECULAR GLOSS	70 Minimum
VISCOSITY	67 - 77 KU
DRYING TIME-AT 75 DEGREES F:	
SET-TO-TOUCH	Within 2 Hours
DRY HARD	Within 8 Hours
FULL HARDNESS	Within 48 Hours

ADVANTAGES:

(1). Interior / Exterior Use
(2). High-Gloss Finish
(3). Meets TT-E-489J
(4). Full Color Range, 595 Colors
(5). Fast Production Time.

USES:

(1). Steel
(2). Machinery
(3). Tanks
(4). Wood
(5). Equipment
(6). Towers

APPLICATION & REDUCTION:

Griggs TT-E-489J Enamels can be applied by conventional or airless spray application. For spraying, thin up to 10% or as needed with Xylene or TT-T-306C. For brushing, use as is or with minimum thinning.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day. Wood surfaces must be sanded and primed before application of enamel.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
TT-E-490E SILICONE ALKYD ENAMEL
PAGE 1 OF 2

PRODUCT: An air-dry, silicone alkyd coating conforming to TT-E-490E.

DESCRIPTION: A high grade silicone alkyd type copolymer gloss and medium gloss enamels intended for use on primed metal but particularly on smooth exterior metal. It is highly weather-resistant and has superior color and gloss retention. Its inherent high heat resistance is due to the high silicone content of the resin. Resists temperatures up to 600 degrees Fahrenheit.

PROPERTIES:

COLORS..... Full Spectrum(All Colors)
SOLIDS(Volume)*..... 60 - 67%
THEORETICAL COVERAGE*..... 640 - 720 sq.ft/gal
DRY FILM THICKNESS..... 1.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
SET-TO-TOUCH..... 2 HOURS MAX
DRY HARD..... 8 HOURS MAX
VEHICLE TYPE..... SILICONE ALKYD
*Values may vary with color.

ADVANTAGES:

(1). Excellent Weather Resistance.
(2). Meets TT-E-490E.
(3). Excellent Coverage.
(4). Excellent Gloss Retention.
(5). High Heat Resistance

USES:

(1). Steel
(2). Machinery
(3). Tanks
(4). Railings
(5). Equipment
(6). Towers

APPLICATION & REDUCTION:

TT-E-490E Silicone Alkyd enamels may be applied by brush, roll or spray application. For spraying, thin up to 15% or as needed with Synthetic Reducer or Xylene. For brushing, thin up to 10% with Mineral Spirits.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application.

STEEL:
Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
TT-E-515A QD ENAMEL
PAGE 1 OF 2

PRODUCT: A quick-dry, lusterless, alkyd enamel formulated for low-voc content. This coating is primarily used as a fast dry finish coat on equipment.

DESCRIPTION: A quick-dry, low-voc, lusterless alkyd enamel formulated to meet Federal Specification TT-E-516A. Its fast-dry characteristics makes it an excellent production enamel for equipment and metal surfaces.

PROPERTIES:

COLORS..... All Lusterless 595 Colors
GRIND..... Not Under 5
SPECULAR GLOSS..... Not Over 6
VISCOSITY..... 67 - 77 KU

DRYING TIME-AT 75 DEGREES F:

SET-TO-TOUCH..... Within 6 Mins.
DRY HARD..... Within 10 Mins.
TACK FREE..... Within 15 Mins.
FULL HARDNESS..... Within 72 Hours

ADVANTAGES:

(1). Fast Drying Properties
(2). Lusterless Finish
(3). Meets TT-E-515A
(4). Full Color Range, 595 Colors
(5). Fast Production Time.

USES:

(1). Steel
(2). Machinery
(3). Tanks
(4). Ammunition
(5). Equipment
(6). Towers

TECHNICAL DATA SHEET
TT-E-515A QD ENAMEL
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs TT-E-515A QD Styrenated Enamels can be applied by conventional or airless spray application. For spraying, thin up to 10% or as needed with TT-T-306C Thinner.
For brushing, use as is or with minimum thinning. Brush small areas only.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer.

STEEL:
Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are COMBUSTIBLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
TT-E-516A QD ENAMEL
PAGE 1 OF 2

PRODUCT: A quick-dry, lusterless, styrenated alkyd enamel This coating is primarily used as a finish coat on ammunition and other metal surfaces.

DESCRIPTION: A quick-dry, lusterless styrenated alkyd enamel formulated to meet Federal Specification TT-E-516A. Its quick-dry characteristics makes it an excellent production enamel for metal surfaces.

PROPERTIES:

COLORS..... All Lusterless 595 Colors
GRIND..... Not Under 5
SPECULAR GLOSS..... 2 - 8
VISCOSITY..... 67 - 77 KU
SHELF LIFE..... 1 Year from Date of Mfg

DRYING TIME-AT 75 DEGREES F:

SET-TO-TOUCH..... 3 To 6 Minutes
DRY HARD..... Within 10 Mins.
TACK FREE..... Within 15 Mins.
FULL HARDNESS..... Within 72 Hours

ADVANTAGES:

(1). Fast Drying Properties
(2). Lusterless Finish
(3). Meets TT-E-516A
(4). Full Color Range, 595 Colors
(5). Fast Production Time.

USES:

(1). Steel
(2). Machinery
(3). Tanks
(4). Ammunition
(5). Equipment
(6). Towers

APPLICATION & REDUCTION:

Griggs TT-E-516A QD Styrenated Enamels can be applied by conventional or airless spray application. For spraying, thin up to 1 pint per gallon or as needed for proper atomization with TT-X-916 or TT-T-306C Type I Thinner. For brushing, reduce up to 10% by volume with TT-T-306C Type I Thinner. Due to quick-dry properties, brush small areas only.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

Store under normal conditions.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
TT-E-527C
LUSTERLESS ALKYD ENAMEL

PRODUCT: An exterior grade, lusterless alkyd enamel formulated for low "VOC" content.

PROPERTIES: COLORS..... Fed Std. 595B
VOLATILE ORGANIC COMPOUNDS... 420 G/L Maximum

ADVANTAGES:
(1). Exterior Grade
(2). Lusterless Finish
(3). Meets TT-E-527C
(4). Full Color Range, 595 Colors

USES:
(1). Steel
(2). Machinery
(3). Tanks
(4). Wood
(5). Equipment
(6). Towers

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application.

PRECAUTIONS:

Contents are FLAMMABLE.
Keep away from heat and open flame.
KEEP OUT OF THE REACH OF CHILDREN.
Do not take internally.
Avoid breathing vapor or mist.
Do not use in tank or pit without proper protection.
Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
TT-E-527D
LUSTERLESS ALKYD ENAMEL

PRODUCT: An exterior grade, lusterless alkyd enamel formulated for low "VOC" content.

PROPERTIES: COLORS..... Fed Std. 595B
VOLATILE ORGANIC COMPOUNDS... 420 G/L Maximum

ADVANTAGES:
(1). Exterior Grade
(2). Lusterless Finish
(3). Meets TT-E--527D
(4). Full Color Range, 595 Colors

USES:
(1). Steel
(2). Machinery
(3). Tanks
(4). Wood
(5). Equipment
(6). Towers

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application.

PRECAUTIONS:

Contents are FLAMMABLE.
Keep away from heat and open flame.
KEEP OUT OF THE REACH OF CHILDREN.
Do not take internally.
Avoid breathing vapor or mist.
Do not use in tank or pit without proper protection.
Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
TT-E-529 ALKYD
SEMI GLOSS ENAMEL
PAGE 1 OF 2

PRODUCT: A semi-gloss, alkyd enamel formulated for interior and exterior metal and wood surfaces. This coating is primarily used as a medium dry finish coat on equipment.

PROPERTIES:

COLORS	# 26120 Brown
GRIND	Not Under 6
SPECULAR GLOSS	25 @60 Deg
VISCOSITY	80 - 90 KU
DRYING TIME-AT 75 DEGREES F:	
SET-TO- TOUCH	2 hours
DRY HARD	8 hours
FULL HARDNESS	Within 72 Hour

ADVANTAGES:

(1). Fast Drying Properties
(2). Semi-Gloss Finish
(3). Meets TT-E529
(4). Full Color Range, 595 Colors
(5). Fast Production Time.

USES:

(1). Steel
(2). Machinery
(3). Tanks
(4). Ammunition
(5). Equipment
(6). Towers

TECHNICAL DATA SHEET
TT-E-529 ALKYD
SEMI GLOSS ENAMEL
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs TT-E529 QD Styrenated Enamels can be applied by conventional or airless spray application. For spraying, thin up to 10% or as needed with Xylene. For brushing, use as is or with minimum thinning. Brush small areas only.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer.

STEEL:
Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are COMBUSTIBLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
TT-E-529G ALKYD
SEMI GLOSS ENAMEL
PAGE 1 OF 2

PRODUCT: A semi-gloss, alkyd enamel formulated for interior and exterior metal and wood surfaces. This coating is primarily used as a medium dry finish coat on equipment.

PROPERTIES:

COLORS..... Fed Std. 595B
GRIND..... Not Under 6
SPECULAR GLOSS..... 15 - 25
@60 Deg VISCOSITY..... 67 - 77 KU
DRYING TIME-AT 75 DEGREES F:
SET-TO-TOUCH..... Within 2 Hours
DRY HARD..... Within 8 Hours
FULL HARDNESS..... Within 72 Hours

ADVANTAGES:

(1). Interior / Exterior Use
(2). Semi-Gloss Finish
(3). Meets TT-E-529G
(4). Full Color Range, 595 Colors
(5). Fast Production Time.

USES:

(1). Steel
(2). Machinery
(3). Tanks
(4). Wood
(5). Equipment
(6). Towers

APPLICATION & REDUCTION:

Griggs TT-E-529G Enamels can be applied by conventional or airless spray application. For spraying, thin up to 10% or as needed with Xylene. For brushing, use as is or with minimum thinning.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application. Prime per specification instructions.

STEEL:
Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
TT-E-1593B SILICONE ALKYD ENAMEL
PAGE 1 OF 2

PRODUCT: An air-dry, interior/exterior silicone alkyd coating conforming to TT-E-1593B for use on primed metal surfaces

DESCRIPTION: A high grade silicone alkyd type copolymer gloss and medium gloss enamels intended for use on primed metal but particularly on smooth exterior metal. It is highly weather-resistant and has superior color and gloss retention. Its inherent high heat resistance is due to the high silicone content of the resin. Resists temperatures up to 600 degrees Fahrenheit.

PROPERTIES:

COLORS..... Full Spectrum(All Colors)
FINENESS OF GRIND..... 7+
THEORETICAL COVERAGE*..... 640 - 720 sq.ft/gal
DRY FILM THICKNESS..... 1.5 mils p/coat

DRYING TIME-AT 75 DEGREES F:

SET-TO-TOUCH..... 2 HOURS MAX
DRY HARD..... 8 HOURS MAX
VEHICLE TYPE..... SILICONE ALKYD

ADVANTAGES:

(1). Excellent Weather Resistance.
(2). Meets TT-E-1593B.
(3). Excellent Coverage.
(4). Excellent Gloss Retention.
(5). High Heat Resistance
(6). Interior & Exterior Use.

USES:

(1). Steel
(2). Machinery
(3). Tanks
(4). Railings
(5). Equipment
(6). Towers

APPLICATION & REDUCTION:

TT-E-1593B Silicone Alkyd enamels may be applied by brush, roll or spray application. For spraying, thin up to one pint per gallon with Synthetic Reducer or Xylene. For brushing, thin up to 10% by volume with Mineral Spirits or VMP Naphtha.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination and primed before application of topcoat.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
TT-L-20A
LUSTERLESS LACQUER
PAGE 1 OF 2

PRODUCT: A nitrocellulose lacquer for use primarily on metal surfaces, usually specified by the Government for camouflage surfaces. Application is normally over MIL-C-8514C Wash Primer followed by TT-P-1757A Zinc Chromate Primer.

PROPERTIES:

COLORS..... All Fed-Std 595B
GRIND..... Not Under 5
SPECULAR GLOSS.....Varies By Color
VISCOSITY(Reduced)#4 Ford Cup.....Not Over 27 Sec.

DRYING TIME AT 75 DEGREES F:

DUST FREE: 3 - 5 MINUTES
DRY HARD: WITHIN 40 MINUTES

USES:

(1). Ammunition
(2). Machinery
(3). Steel Surfaces
(4). Equipment
(5). Camouflage Requirements

APPLICATION & REDUCTION:

TT-L-20A should only be applied by spray application due to its fast dry properties. Thin one part TT-L-20A with approximately 2 parts MIL-T-81772B Type 3 Thinner. Spray one tack coat followed by one full wet coat. The use of MIL-C- 8514C and TT-P-1757A Primers are normally required for use under this lacquer topcoat.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
TT-L-32A GLOSS LACQUER
PAGE 1 OF 2

PRODUCT: A very high quality nitrocellulose lacquer with good exterior durability and gloss. Available in Type I and new "HAPS" free formulation to meet Type 2 requirements. This lacquer originally was designed as an aircraft finishing material, but it is now specified wherever a quality nitrocellulose finishing lacquer is required. The clear may be aluminized (12 ounces of TT-P- 320D Aluminum Paste per gallon of clear) to obtain an excellent aluminum lacquer.

PROPERTIES:

COLORS..... All Fed-Std 595B
GRIND..... Not Under 7.0
PIGMENT CONTENT..... Not Under 45%
VISCOSITY(Reduced)#4 Ford Cup..... Not Over 20 Sec.
HYDROCARBONS..... Not Over 50%

DRYING TIME AT 75 DEGREES F:

DUST FREE: 3 - 5 MINUTES
DRY HARD: WITHIN 40 MINUTES

USES:

(1). Aerospace Applications
(2). Machinery
(3). Steel Surfaces
(4). Equipment
(5). Office Equipment
(6). Computer Cabinets

APPLICATION & REDUCTION:

TT-L-32A should only be applied by spray application due to its fast dry properties. Thin one part TT-L-32A with approximately 2 parts MIL-T-81772B TY.III Thinner. Spray one tack coat followed by one full wet coat being sure to keep a "wet edge" for maximum gloss finish.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of gloss lacquer. Prime per specification requirements.

STEEL:

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
TT-L-50E TY.I

PRODUCT: An air dry lacquer in aerosol cans.

DESCRIPTION: ***Griggs TT-L-50E Type I Lacquer*** is a high grade, lacquer coating supplied in pressurized dispensers for general purpose applications. A full range of colors is available including clear.

PROPERTIES:

COLORS..... Clear & Full Range
FINISH..... Flat - High Gloss
SOLIDS(Weight)..... 40 - 64%
FINESS OF GRIND..... 5 - 7

DRYING TIMES:
DUST FREE..... 5 Minutes
DRY HARD..... 10 Minutes
DRY THROUGH..... 2 Hours

ADVANTAGES:
(1). Fast Dry
(2). Lacquer Base
(3). Durable
(4). Air Dry

USES:
(1). Metal
(2). Wood
(3). Paper
(4). Tools
(5). Garden Implements

APPLICATION: Vigorously shake can for one minute to thoroughly mix coating. Shake can occasionally while spraying. Hold can approximately 12" from surface to be painted.

READ MSDS BEFORE USE.

TECHNICAL DATA SHEET
TT-L-50G TY.II

PRODUCT: An air dry acrylic lacquer in aerosol cans.

DESCRIPTION: *Griggs TT-L-50G Type II Acrylic Lacquer* is a high grade, acrylic lacquer coating supplied in pressurized dispensers for general purpose applications. A full range of colors is available including clear.

PROPERTIES:

COLORS..... Clear & Full Range
FINISH..... Flat - High Gloss
SOLIDS(Weight)..... 40 - 64%
FINESS OF GRIND..... 5 - 7

DRYING TIMES:
DUST FREE..... 5 Minutes
DRY HARD..... 10 Minutes
DRY THROUGH..... 2 Hours

ADVANTAGES:

(1). Fast Dry
(2). Acrylic Resin
(3). Durable
(4). Air Dry

USES:

(1). Metal
(2). Wood
(3). Paper
(4). Tools
(5). Garden Implements

APPLICATION: Vigorously shake can for one minute to thoroughly mix coating. Shake can occasionally while spraying. Hold can approximately 12" from surface to be painted.

READ MSDS BEFORE USE.

TECHNICAL DATA SHEET
ACID RESISTANT LACQUER
TT-L-54C

PRODUCT: An acid, gasoline and oil resistant lacquer formulated for spraying the aluminum surface around storage batteries.

DESCRIPTION: *Griggs TT-L-54C ACID RESISTANT LACQUER* is a spraying lacquer specifically formulated for use on the aluminum surface around storage batteries. This coating is resistant to acid, gasoline and oils. Formulated for spraying, however, small areas may be brushed if spraying is impractical.

PROPERTIES: **COLORS:**

TYPE I: #17038 GLOSS BLACK
TYPE II: #17875 GLOSS WHITE

Also available in all Fed.Std. 595B colors

FINISH..... High Gloss
SOLIDS(Weight)..... 25 - 30%

DRYING TIMES:

TO TOUCH..... 10 Minutes
DRY HARD..... 60 Minutes

ADVANTAGES:
(1). Acid Resistant.
(2). Gasoline Resistant.
(3). Oil Resistant.
(4). Durable.
(5). Fast Dry.

USES:
(1). Auto/Truck Battery Trays.
(2). Battery Storage Racks.
(3). Engine Racks.

APPLICATION: Apply by spray method, although small areas may be brushed. Thin with MIL-T-81772B Type III Reducer or TT-T-266D at approximately 10% by volume or as required for proper atomization for spraying. For brushing, thin as needed to facilitate proper flow. Do not over brush.

TECHNICAL DATA SHEET
TT-P-95C
CHLORINATED RUBBER COATING
PAGE 1 OF 2

PRODUCT: A chlorinated, rubber based coating designed to withstand continuous submersion and the effects of wear and weather. Formulated per Federal Specification TT-P-95C.

DESCRIPTION: A chlorinated rubber coating formulated to meet TT-P-95C. This coating is especially designed for swimming pools, fountains, reflection ponds. lily ponds and garden ponds. It provides a tile-like finish that is easy to clean and chemical resistant.

PROPERTIES:

COLORS..... Full Range
PIGMENT..... Fade Resistant
GLOSS..... Semigloss
VEHICLE..... Chlorinated Rubber

DRYING TIME-AT 75 DEGREES F:

SET-TO-TOUCH..... 20 Minutes
RECOAT TIME..... 24 Hours
WEIGHT/GALLON..... 10.5 lbs.
COVERAGE(theoretical)@1 mil dry..... 451 sq.ft/gl
SOLIDS(Weight)..... 52%
SOLIDS(Volume)..... 30.4%

ADVANTAGES:

(1). Weather Resistant
(2). Highly Durable
(3). Chemical Resistant
(4). Water Resistant
(5). Self Priming

USES:

(1). Swimming Pools
(2). Fountains
(3). Concrete
(4). Plaster
(5). Ponds
(6). Reflection Basins

TECHNICAL DATA SHEET
TT-P-95C
CHLORINATED RUBBER COATING
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs TT-P-95C Chlorinated Rubber Coating can be applied by brush, roll or spray. For previously painted surfaces, thin 10-15% with Griggs T0045 Thinner or Xylene. For sandblasted surfaces, thin first coat up to 50%, then thin second coat 10 15% and apply.

SURFACE PREPARATION:

Surface must be clean, and free of all contamination before application. Etch surface for best results. Surface may be damp but not wet prior to etching. Consult your Griggs representative for specific surface preparation instructions. Allow 7 - 10 days of dry weather before filling pool. For each day of rain, allow 2 additional days of drying. Do not apply if rain threatens.

PRECAUTIONS:

FLAMMABLE LIQUID.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
TT-P-102F
PAINT, OIL, ALKYD ENAMEL

PRODUCT: An exterior grade, long oil alkyd enamel for general exterior use on new or previously painted wood trim, siding, primed metal and sealed concrete. TT-P-102F is lead and chromate free with a low "VOC" content.

PROPERTIES: COLORS..... Fed Std. 595B
VOLATILE ORGANIC COMPOUNDS... 250 G/L Maximum

ADVANTAGES:
(1). Exterior Grade
(2). Durable Exterior Finish
(3). Meets TT-P-102F
(4). Full Color Range, 595 Colors

USES:
(1). Steel
(2). Machinery
(3). Tanks
(4). Wood
(5). Equipment
(6). Towers

SURFACE PREPARATION / APPLICATION

Surface must be clean, dry and free of all contamination before application. Thin with TT-T-291(Mineral Spirits) or TT-T 306(Synthetic Reducer) for as required proper flow based on application tools.

PRECAUTIONS:

Contents are FLAMMABLE.
Keep away from heat and open flame.
KEEP OUT OF THE REACH OF CHILDREN.
Do not take internally.
Avoid breathing vapor or mist.
Do not use in tank or pit without proper protection.
Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
TT-P-320D ALUMINUM PIGMENT

PRODUCT: A government specification, aluminum pigment in powder or paste form for paint.

DESCRIPTION: **TT-P-320D** is an aluminum pigment for use in paint and coatings. Available in powder or paste forms.

PROPERTIES:

NON-VOLATILE BY WT:
TYPE I..... Minimum 99%
TYPE II..... Minimum 65%

LEAFING PROPERTIES:
CLASS A:..... 50 - 55%
CLASS B:..... 50%
CLASS C:..... 40%

TYPE I: ALUMINUM PIGMENT - POWDER FORM
CLASS A:..... Extra Fine Lining
CLASS B:..... Standard Lining
CLASS C:..... Standard Fineness

TYPE II: ALUMINUM PIGMENT - PASTE FORM
CLASS A:..... Extra Fine Lining
CLASS B:..... Standard Lining
CLASS C:..... Standard Fineness

USE: Add into base paint and coatings as needed for aluminum color pigmentation. Normally, a minimum of pound of aluminum pigment per gallon of base is needed for good opacity.

TECHNICAL DATA SHEET
TT-P-2756A POLYURETHANE COATING

PRODUCT: A low VOC, self priming, polyurethane coating.

DESCRIPTION: TT-P-2756A
is intended for use on aircraft weapon systems and other applications where metallic and polymeric substrates require protection. It is self priming and low VOC with a maximum of 420 grams/liter content. Mixing ratio is 4:1 by volume.

PROPERTIES:
COLORS..... Per Fed-Std 595B
GRIND:
GLOSS..... 7
FLAT..... 5
VOLATILE ORGANIC COMPOUNDS(VOC)..... 420 G/L Max
FINISH: 60 Degree
GLOSS:..... 90% Minimum
SEMIGLOSS:..... 15 - 45%
FLAT:..... 6% Maximum
DRYING TIMES:
SET-TO-TOUCH:..... Within 2 Hrs
DRY HARD:..... Within 8 Hrs

ADVANTAGES:
(1). Self Priming
(2). Low VOC
(3). Lead & Chromate Free
(4). Superior Exterior Resistance

USES:
(1). Aerospace Applications
(2). Aircraft Weapon Systems
(3). Metal & Polymeric Substrates
(4). Industrial Facilities

APPLICATION: Normal packaging is one gallon of base and one quart of catalyst. Mix at a ratio by volume of four parts Component 1(base) to one part Component 2(catalyst). Apply by brush, roller or spray methods. For brush and roll, thin with MIL-T-81772B TY.I, at 10% by volume. For spray application, thin with MIL-T-81772B TY.I, 10-15% by volume. Apply to a dry film thickness of 2.0 - 2.6 mils.

TECHNICAL DATA SHEET
TT-S-171C CL.2

PRODUCT: A government specification, floor sealer formulated to meet TT-S-171C Class 2.

DESCRIPTION: **TT-S-171C CLASS 2** is a lacquer-type, clear gloss floor sealer for nonoiled wood floors.

PROPERTIES:

COLOR..... Clear
FINISH..... Gloss
SOLIDS(Weight)..... 79- 82%
VISCOSITY(#4 Ford Cup)..... 20 - 25 Secs

DRYING TIMES:

TO TOUCH..... Within 15 Minutes
DRY HARD..... Within 3 Hours

ADVANTAGES:

(1). Fast Dry
(2). Lacquer Base
(3). Resistant to Abrasion
(4). Air Dry-Gloss Finish

USE: Non-Oiled Wood Floors

APPLICATION: Apply by brush, roller or spray methods. For brush and roll, thin with MIL-T-81772B Type III at 10% by volume. For spray application, thin with MIL-T-81772B Type III at 10-15% by volume. Due to fast dry properties, spray application is the recommended technique.

TECHNICAL DATA SHEET
TT-W-00572 TYPE SEALER
PAGE 1 OF 2

PRODUCT: A clear, non-yellowing sealer formulated to meet Federal Specification TT-W-00572.

DESCRIPTION: Griggs TT-W-00572 clear sealer is a water repellent, penetrating sealer that will provide protection to any wood or concrete surface or structure. Due to its superior penetrating properties, it exhibits excellent adhesion to properly prepared substrates. This product is available is a full range of semi- opaque colors.

PROPERTIES:

COLORS..... Full Range
FINISH..... Penetrating
VEHICLE..... Butene Rubber
SOLIDS(Volume)..... 12 - 16%
WEIGHT/GAL..... 6.5 - 6.8#
VISCOSITY..... 150 - 500 CPS

DRYING TIMES:

TO TOUCH..... 2 Hours

ADVANTAGES:

(1). Highly Durable.
(2). Ultraviolet Resistant.
(3). Penetrating.
(4). Oil Resistant.

USES:

(1). Concrete Structures.
(2). Driveways.
(3). Wood Siding.
(4). Railroad Ties.
(5). Walkways.

APPLICATION: Apply by brush, roller or spray methods. Use at packaged viscosity for all application methods. Clean up with Mineral Spirits.

TECHNICAL DATA SHEET
TT-W-00572 TYPE SEALER
PAGE 2 OF 2

PRODUCT: A clear, penetrating wood and concrete sealer.

SURFACE PREPARATION: All surfaces must be clean, dry and free of all dirt, dust, grease or any foreign contaminants. For concrete, sandblasting is the most efficient method. If this is impossible, acid etch with a 25% solution of Muriatic Acid, neutralize with an ammonia solution and let dry thoroughly. Do not apply at temperatures below 50 degrees Fahrenheit.

PRECAUTIONS: Use with adequate ventilation.

Avoid contact with skin and eyes.

Do not take internally.

KEEP OUT OF THE REACH OF CHILDREN.

Vapor Harmful.

Wash hands after using.

TECHNICAL DATA SHEET
UCRYL #3770
URETHANE ACRYLIC COATING
PAGE 1 OF 2

PRODUCT: An air-dry, waterbase, urethane acrylic coating. Can be used with or without catalyst.

DESCRIPTION: A high grade water reducible acrylic-urethane emulsion that when used with Ucryl Catalyst forms a film that is tough and flexible. It has superior UV resistance and outstanding mar and block resistance for use on furniture, wood floors and many types of plastics. If additional durability is desired, catalyze at a ratio of 16:1 by volume with Ucryl #3770 catalyst.

PROPERTIES:

COLORS	Full Range
SOLIDS(Volume)	29.5%
SOLIDS(WEIGHT)	32.0%
pH	8.0
V.O.C. CONTENT	287 g/l

DRYING TIME-AT 75 DEGREES F:

SET-TO-TOUCH	45 MINUTES
DRY HARD	125 MINUTES
DRY THROUGH	4 HOURS
THEORETICAL COVERAGE	200 - 250 SQ.FT/GAL

ADVANTAGES:
(1). Water Base
(2). Fast Hardness Development
(3). Mar Resistant
(4). Outstanding Adhesion
(5). Solvent & Chemical Resistant

USES:
(1). Furniture
(2). Wood Floors
(3). Plastics
(4). Anti-Graffiti Coating
(5). Bar Tops
(6). Railings

TECHNICAL DATA SHEET
UCRYL #3770
URETHANE ACRYLIC COATING
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Urethane Acrylic #3770 may be applied by brush, roll or spray application. Use as is or with minimum thinning for spray application. For application of clear, a pad applicator is recommended for application to floors to prevent air bubbles from forming in the film. If enhanced durability is desired, the addition of catalyst is recommended. Pre-thin the Ucryl #3770 with one pint of water per gallon. Then catalyze at a ratio of 16 parts Ucryl #3770 to 1 part of catalyst. Pre thinning of the Ucryl #3770 before addition of catalyst is critical, as failure to pre-thin will result in loss of gloss and coagulation of the polymer.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application. Prime as required for environmental conditions and substrate. Consult you Griggs representative for specific recommendations.

WOOD:

Surface must be clean and free of all oil, grease and foreign material. Badly worn or rough wood should be sanded smooth and then cleaned with a tack rag.

PRECAUTIONS:

KEEP FROM FREEZING.
KEEP OUT OF THE REACH OF CHILDREN.
Do not take internally.
Avoid breathing vapor or mist.
Do not use in tank or pit without proper protection.
Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
UCRYL #3770 CLEAR GLOSS
URETHANE ACRYLIC COATING
PAGE 1 OF 2

PRODUCT: An air-dry, waterbase, urethane acrylic coating.

DESCRIPTION: A high grade clear water reducible acrylic emulsion that when used with Ucryl Catalyst forms a high gloss, clear film that is tough, flexible and graffiti resistant. It has superior UV resistance, adhesion to many surfaces and is very washable. Waterbase formulation allows for water thinning and clean-up.

PROPERTIES:

APPEARANCE	Milky White Emulsion
SOLIDS(Volume)	29.5%
SOLIDS(WEIGHT)	32.0%
pH	8.0
V.O.C. CONTENT	287 g/l

DRYING TIME-AT 75 DEGREES F:

SET-TO-TOUCH	45 MINUTES
DRY HARD	125 MINUTES
DRY THROUGH	4 HOURS
THEORETICAL COVERAGE	200 - 250 SQ.FT/GAL

ADVANTAGES:
(1). Water Base
(2). Fast Hardness Development
(3). Mar Resistant
(4). Outstanding Adhesion
(5). Solvent & Chemical Resistant

USES:
(1). Furniture
(2). Wood Floors
(3). Railings
(4). Anti-Graffiti Coating
(5). Bar Tops
(6). Plastics

APPLICATION & REDUCTION:

Griggs Urethane Acrylic enamels may be applied by brush, roll or spray application. Use as is or with minimum thinning for spray application. A pad applicator is recommended for application to floors to prevent air bubbles from forming in the film.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application.

WOOD:

Surface must be clean and free of all oil, grease and foreign material. Badly worn or rough wood should be sanded smooth and then cleaned with a tack rag.

PRECAUTIONS:

KEEP FROM FREEZING.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
U-V.RES III
ACRYLIC-EPOXY PAINT
PAGE 1 OF 2

DESCRIPTION: A two component water base modified acrylic- epoxy coating that provides excellent adhesion, solvent resistance and abrasion resistance with water clean up. U-V.Res Epoxy Coating provides a film that is resistant to ultraviolet rays and exterior weathering, unlike conventional epoxies. It exhibits excellent adhesion to many substrates such as aluminum, cold rolled steel, glass, concrete, masonry, plastics, tile, aged alkyd and epoxy films. U-V.Res III exhibits less odor than acrylic latex paint and can be applied electrostatically. U-V.RES III can also be used as an Anti-Graffiti coating. Since it is highly resistant to many solvents after cured, the ordinary paints, such as aerosol paints, can be wiped off without damaging the existing gloss, color or film. **Always mix at a ratio of 4:1 by volume.**

PROPERTIES:

COLORS	Full Range
FINISH	High Gloss
VEHICLE	Modified Epoxy
SOLIDS BY VOLUME(Mixed)	49 - 52%
SOLIDS BY WEIGHT(Mixed)	60 - 62%
POT LIFE(@70 Degrees F)	*5 - 6 Hrs
DRY-TO-TOUCH	*1-2 Hours
DRY HARD	*24 Hours
FULL CURE	*96 Hours
COVERAGE	300 - 400 sq.ft/gal

*(All pot life and dry times will be affected by temperatures.)

TYPICAL USES:

(1). Steel
(2). Floors
(3). Garages
(5). Clean Rooms

TECHNICAL DATA SHEET
U-V.RES III
ACRYLIC-EPOXY PAINT
PAGE 2 OF 2

CHARACTERISTICS:

(1). Water Clean-up
(2). U.V. Resistant
(3). Low V.O.C. Content
(4). Chemical Resistant
(5). Excellent Adhesion

APPLICATION & REDUCTION: U-V.RES III can be applied by brush, roller or spray. Thin with tap water as required for application and operator preference.

MIXING INSTRUCTIONS: Premix both parts thoroughly before combining. Add 4 parts Component A to 1 part Component B by volume. Thoroughly mix then add tap water as required. Thin no more than 5% by volume.

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or curing compounds. Surface may be damp, but standing water must be removed. Concrete should be sandblasted, vacuum blasted or acid etched. If an acid etch is performed, surface must be rinsed and neutralized with a solution of ammonia and water. Mix 1 pint household ammonia to 5 gallons water and scrub surface immediately after water rinse. If recoating an epoxy surface is desired, and coating has cured more than 24 hours at 77 degrees F or cannot be indented with a fingernail, a light sanding with 60-80 grit sandpaper is required for proper adhesion of the new coat.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

TECHNICAL DATA SHEET
U-V.RES III EPOXY PAINT SATIN FINISH
PAGE 1 OF 2

DESCRIPTION: A two component water base modified epoxy coating that provides excellent adhesion, solvent resistance and abrasion resistance with water clean up. U-V.Res Epoxy Coating provides a film that is resistant to ultraviolet rays and exterior weathering, unlike conventional epoxies. It exhibits excellent adhesion to many substrates such as aluminum, cold rolled steel, galvanized, glass, concrete, masonry, plastics, tile, aged alkyd and epoxy films. U-V.Res III exhibits less odor than acrylic latex paint and can be applied electrostatically. U-V.RES III can also be used as an Anti-Graffiti coating. Since it is highly resistant to many solvents after cured, the ordinary paints, such as aerosol paints, can be wiped off without damaging the existing gloss, color or film. **Always mix at a ratio of 4:1 by volume.**

PROPERTIES:

COLORS	Full Range
FINISH	Satin
VEHICLE	Modified Epoxy
SOLIDS BY VOLUME(Mixed)	52 - 55%
SOLIDS BY WEIGHT(Mixed)	63 - 65%
POT LIFE(@70 Degrees F)	*5 - 6 Hrs
DRY-TO-TOUCH	*1-2 Hours
DRY HARD	*24 Hours
FULL CURE	*96 Hours
COVERAGE	300 - 400 sq.ft/gal

*(All pot life and dry times will be affected by temperatures.)

TYPICAL USES:

(1). Steel
(2). Galvanized
(3). Floors
(4). Garages
(5). Clean Rooms

CHARACTERISTICS:

(1). Water Clean-up
(2). U.V. Resistant
(3). Low V.O.C. Content
(4). Chemical Resistant
(5). Excellent Adhesion

TECHNICAL DATA SHEET
U-V.RES III EPOXY PAINT SATIN FINISH
PAGE 2 OF 2

APPLICATION & REDUCTION: U-V.RES III can be applied by brush, roller or spray. Thin with tap water as required for application and operator preference.

MIXING INSTRUCTIONS: Premix both parts thoroughly before combining. Add 4 parts Component A to 1 part Component B by volume. Thoroughly mix then add tap water as required. Thin no more than 5% by volume.

SURFACE PREPARATION: Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or curing compounds. Surface may be damp, but standing water must be removed. Concrete should be sandblasted, vacuum blasted or acid etched. If an acid etch is performed, surface must be rinsed and neutralized with a solution of ammonia and water. Mix 1 pint household ammonia to 5 gallons water and scrub surface immediately after water rinse. If recoating an epoxy surface is desired, and coating has cured more than 24 hours at 77 degrees F or cannot be indented with a fingernail, a light sanding with 60-80 grit sandpaper is required for proper adhesion of the new coat.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

TECHNICAL DATA SHEET
WATERBASE ACRYLIC SEALER
PAGE 1 OF 2

PRODUCT: A clear unpigmented acrylic latex clear sealer formulated specifically for use on properly prepared masonry surfaces.

DESCRIPTION: A specially formulated clear alkyd-based primer designed to be used as a primer for chalky surfaces. This product, when used properly, will penetrate and bond the chalking pigments of the old paint finish, thus creating a hard bonded surface.

PROPERTIES:

COLOR..... Clear
SOLIDS(Weight)..... 30 - 35%
THEORETICAL COVERAGE..... 150 - 400 sq.ft/gal
DRY FILM THICKNESS..... 1 mil @ 350 sq.ft./gal

DRYING TIME-AT 75 DEGREES F:

TO TOUCH..... 2 - 4 Hours
TO RECOAT..... 8 Hours
VEHICLE TYPE..... Acrylic Latex
WEIGHT/GAL..... 8.2 - 8.4 lbs

ADVANTAGES:

(1). Waterbase Sealer.
(2). Low V.O.C. Content.
(3). Seals Surface.
(4). Moisture Resistant.
(5). UV Resistant

USES:

(1). Masonry
(2). Brick.
(3). Block.
(4). Stucco.

TECHNICAL DATA SHEET
WATERBASE ACRYLIC SEALER
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Clear Acrylic Sealer be thinned with water as needed for application purposes. Thin up to 1/2 pint of water per gallon of sealer. Use at packaged consistency for best results.

SURFACE PREPARATION:

Surface to be coated must be free from all dirt, grease and contamination before application. Chalky surfaces must be sealed with Chalk-Bond before painting. Loose or peeling paint must be scraped and made sound before applying over previously painted surfaces.

PRECAUTIONS:

Keep from Freezing.

Do not use below 55 Degrees F.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Avoid breathing vapor or mist.

Do not use in tank or pit without proper protection.

Read Material Safety Data Sheet before use of this product.

TECHNICAL DATA SHEET
ZYNOLYTE SPEED ENAMEL

PRODUCT: A high quality full gloss alkyd spray enamel for use on all wood, metal, ceramics, wicker, plastics and paper.

ADVANTAGES:
(1). Dries in Minutes
(2). Prevents Rust
(3). Hard Enamel Finish

USES:
(1). Wood
(2). Metal
(3). Ceramics
(4). Wicker
(5). Plastics
(6). Paper

SURFACE PREPARATION:
Surface must be clean, dry and free of all contamination before application of high gloss alkyd enamel.

PRECAUTIONS:
Contents are FLAMMABLE.
Keep away from heat and open flame.
KEEP OUT OF THE REACH OF CHILDREN.
Do not take internally.
Avoid breathing vapor or mist.
Do not use in tank or pit without proper protection.
Read Material Safety Data Sheet before use of this product.