



"Our Coatings Fly All Over the World"

Intrepid Coatings, Inc. Technical Data Sheets

Primer Coatings

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TECHNICAL DATA SHEET
TT-P-1757B TY.I, CL.C AEROSOL
ZINC CHROMATE PRIMER

PRODUCT: A one component, alkyd base, corrosion inhibiting zinc chromate primer.

DESCRIPTION: TT-P-1757B Ty.I, Cl.C Zinc Chromate Primer is a single component, zinc-chromate pigmented, low-moisture sensitivity primer primarily intended for spray application on surface treated aluminum or surface treated with pre-treatment coatings MIL-C-8514C or DOD-P-15328D. This primer may be used with or without top coating. When suitable thinned, this primer may be used for dip or flow-coat application.

PROPERTIES:

SOLIDS(Weight)..... 59% Minimum
 FINENESS OF GRIND..... 6 Minimum
 Zinc Chromate(Weight)..... 85% Minimum of Pigment
 COLORS..... Green & Yellow
DRYING TIME:
 DRY HARD..... Within 15 Minutes
 SHELF LIFE..... 1 Year From Date/Mfg

ADVANTAGES:

- (1). Corrosion Inhibiting
- (2). Use with or Without Topcoat
- (3). Fast Air Dry
- (4). Low Moisture Sensitivity
- (5). Meets Government Specifications

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. For exterior use and non-ferrous metals, it is recommended that TT-P-1757B Ty.I Class C be applied over pre-treatment coating conforming to MIL-C-8514C or DOD-P-15328D.

TECHNICAL DATA SHEET
200 SERIES ACRYLIC ENAMEL PRIMER
PAGE 1 OF 2

PRODUCT: A quick-dry acrylic enamel, rust-resistant primer.

DESCRIPTION: A quick-dry acrylic enamel primer especially designed for providing a high degree of rust inhibitive properties. Griggs Acrylic Enamel Primer is specifically designed for use as a primer under all types of acrylic enamel topcoats.

PROPERTIES: COLORS..... White, Gray & Red
 FINISH..... Low Sheen
 SOLIDS(Weight)..... 55.8%
 SOLIDS(Volume)..... 36.8%
 WEIGHT/GAL..... 9.5 - 10.2 lbs/gal

DRYING TIMES:

TO TOUCH..... 30 mins.
 TO RECOAT..... 2 Hours

ADVANTAGES: (1). Excellent Corrosion Resistance.
 (2). Fast Dry.
 (3). Excellent Automotive Primer.
 (4). Excellent Adhesion Most Substrates.

USES: (1). Steel.
 (2). Factories.
 (3). Pipes.
 (4). Automotive Primer.
 (5). Acrylic Enamel Undercoat.

APPLICATION: Spray application is the only recommended method due to product's quick-dry properties. Reduce at 10-15% by volume with xylol for spray. For small areas, brushing is possible if thinned with Synthetic Reducer 10-15% by volume.

TECHNICAL DATA SHEET
200 SERIES ACRYLIC ENAMEL PRIMER
PAGE 2 OF 2

PRODUCT: A quick-dry, rust-inhibitive acrylic enamel primer.

SURFACE PREPARATION: All surfaces must be dry and free of oils, grease, dirt, rust and all foreign matter. Preprime galvanized or aluminum substrates with DOD-P-15328 Metal Pretreatment Wash Primer prior to applying acrylic enamel primer. For ferrous metals, minimum surface cleaning is Power Tool Cleaning per SSPC-SP 3-63. Always pretest primer for compatibility with acrylic enamel topcoats before using for production runs.

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
ALKYD METAL PRIMER
200 SERIES
PAGE 1 OF 2

PRODUCT: A lead-free, high-solids alkyd primer for ferrous metal. This product is a single- component, modified alkyd coatings formulated for maximum rust prevention. May be used interior or exterior.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. Griggs Alkyd Metal Primer is lead free with an extremely high solids content. These primers offer excellent "wetting" of the steel in addition to excellent abrasion and weather resistance. Re-formulated for lower VOC content. May be topcoated with many types of products, including alkyd, epoxy, oilbase, vinyl and latex paints.

PROPERTIES: COLORS..... Red, Gray and White
 SOLIDS(Weight)..... 71 - 77%
 SOLIDS(Volume)..... 51 - 56%
 THEORETICAL COVERAGE*..... 550 sq.ft/gal

DRYING TIME-AT 75 DEGREES F: TO
 TOUCH..... 20 to 30 Minutes
 TO HANDLE..... 2 to 4 Hours
 VEHICLE TYPE..... Modified Alkyd
 * Coverage @ 1 Mil Dry Film.

ADVANTAGES: (1). Rust-Inhibitive.
 (2). Fast-Dry.
 (3). Excellent Foundation.
 (4). Extremely Abrasion Resistant

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

**TECHNICAL DATA SHEET
ALKYD METAL PRIMER
200 SERIES
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs Alkyd Metal Primers can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with Mineral Spirits. 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 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
200 SERIES CHLORINATED RUBBER PRIMER
PAGE 1 OF 2

- PRODUCT:** A rust inhibitive, chlorinated rubber metal primer.
- DESCRIPTION:** A chlorinated rubber base primer especially designed for providing a high degree of rust inhibitive properties. Griggs Chlorinated Rubber Primer is fast dry to provide the applicator the opportunity for multiple coats in the same day. It can withstand service in areas of excessive moisture, including water immersion.
- PROPERTIES:**
- | | |
|---------------------|-------------------|
| COLORS..... | White, Gray & Red |
| FINISH..... | Low Sheen |
| SOLIDS(Weight)..... | 60% |
| SOLIDS(Volume)..... | 35% |
| WEIGHT/GAL..... | 12.7 lbs/gal |
- DRYING TIMES:**
- | | |
|----------------|----------|
| TO TOUCH..... | 15 mins. |
| TO RECOAT..... | 1 hour |
- ADVANTAGES:**
- (1). Excellent Corrosion Resistance.
 - (2). Fast Dry.
 - (3). Interior/Exterior Use.
 - (4). Excellent Adhesion Most Substrates
- USES:**
- (1). Chemical Plants
 - (2). Factories
 - (3). Pipes
 - (4). Shower Rooms
 - (5). Laundries
- APPLICATION:** Apply by brush, roller or spray methods. For brush and roll, thin with Synthetic Reducer at 10-15% by volume. For spray application, thin with Xylol at 10-15% by volume.

TECHNICAL DATA SHEET
200 SERIES CHLORINATED RUBBER PRIMER
PAGE 2 OF 2

PRODUCT: A rust inhibitive, chlorinated rubber metal primer.

SURFACE PREPARATION: All surfaces must be dry and free of oils, grease, dirt, rust and all foreign matter. Preprime galvanized or aluminum substrates with DOD-P-15328 Metal Pretreatment Wash Primer prior to applying chlorinated rubber primer. For ferrous metals, minimum surface cleaning is Power Tool Cleaning per SSPC-SP 3-63. For severe conditions or immersion service blast steel to White Metal Blast per SSPC-SP 5-63. Prime metal immediately with Griggs Chlorinated Rubber Primer and follow with the recommended number of topcoats.
Always spot test previously painted surfaces for lifting before applying this primer. If lifting occurs the old paint must be removed for best results.

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
GRIGGS MULTI-PURPOSE PRIMER
200 SERIES
PAGE 1 OF 2

PRODUCT: A lead-free , high-solids primer for ferrous and non-ferrous metal. Multi-Purpose Primers are single-component, modified alkyd coatings formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. Multi-Purpose primers are lead and chromate free with high solids content. These primers offer excellent "wetting" of the steel in addition to excellent abrasion and weather resistance. Re-formulated for lower VOC content.

PROPERTIES: COLORS..... White & Gray
 SOLIDS(Weight)*..... 80%
 THEORETICAL COVERAGE*..... 950 sq.ft/gal
 DRY FILM THICKNESS..... 1 mil per coat dry
DRYING TIME-AT 75 DEGREES F:
 TO TOUCH..... 30 Minutes
 TO RECOAT..... 2 To 4 Hours
 VEHICLE TYPE..... Modified Alkyd
 VOLATILE ORGANIC COMPOUNDS(VOC)..... 390 G/L
 WEIGHT/GAL*..... 13.6 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 Structures
 (2). Metal Decks
 (3). Tanks
 (4). Railings
 (5). Metal Joists
 (6). Towers

TECHNICAL DATA SHEET
GRIGGS MULTI-PURPOSE PRIMER
200 SERIES
PAGE 2 OF 2

APPLICATION & REDUCTION:

Multi-Purpose Primers (200 Series) can be applied by brush, roll or spray.

For brushing and rolling, use as is or thin with Mineral Spirits. 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 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
RATMOORE PRIMERS 200 SERIES
PAGE 1 OF 2

PRODUCT: A lead-free , high-solids alkyd primer for steel and ferrous metals. Ratmoore Primers are single-component, modified alkyd coatings formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. Ratmoore primers are lead and chromate free with high solids content. These primers offer excellent "wetting" of the steel in addition to excellent abrasion and weather resistance.

PROPERTIES: COLORS..... Red, Gray, White & Green
 SOLIDS(Volume)*..... 55 - 59%
 THEORETICAL COVERAGE*..... 900 mil-sq.ft/gal
 DRY FILM THICKNESS..... 2.0 to 3.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
 TO TOUCH..... 1 - 2 Hours
 TO HANDLE..... 2 - 4 Hours
 TO RECOAT..... 10 - 12 Hours
 VEHICLE TYPE..... Modified Alkyd
 VOLATILE ORGANIC COMPOUNDS(VOC)*..... 385 G/L
 WEIGHT/GAL*..... 12 - 13.2 lbs/gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F
 *Values may vary with color.

ADVANTAGES: (1). Excellent "Wetting" of Steel
 (2). Lead Free Formulation
 (3). Low Sheen
 (4). Special Modified Alkyd Formulation
 (5). Excellent Corrosion Resistance
 (6). Excellent Foundation
 (7). Extremely Abrasion Resistant

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

TECHNICAL DATA SHEET
RATMOORE PRIMERS 200 SERIES
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Ratmoore Primers can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with Mineral Spirits. 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 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
RATMOORE PRIMERS 200 SERIES
1990 REVISION
PAGE 1 OF 2**

PRODUCT: A lead-free , high-solids alkyd primer for ferrous metal. Ratmoore Primers are single- component, modified alkyd coatings formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. Ratmoore primers are lead free and have an extremely high solids content. These primers 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)*..... 57-65%
THEORETICAL COVERAGE*..... 885-1050 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
VOLATILE ORGANIC COMPOUNDS(VOC)*..... 276 G/L
AFTER THINNING..... 300 G/L
WEIGHT/GAL*..... 13.70lbs/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
RATMOORE PRIMERS 200 SERIES
1990 REVISION
PAGE 2 OF 2

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

APPLICATION & REDUCTION:

Griggs Ratmoore Primers 200 Series(Revised) can be applied by brush, roll or spray.

For brushing and rolling, use as is or thin with Mineral Spirits.
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 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
VINYL ACRYLIC PRIMER
200 SERIES
PAGE 1 OF 2**

PRODUCT: A waterbase, vinyl acrylic latex primer.

DESCRIPTION: A low cost, vinyl acrylic latex primer for use on interior and exterior surfaces. May be used on many types of properly prepared surfaces including concrete, masonry, plaster, stucco and drywall.

PROPERTIES: COLORS..... Full Range
 SOLIDS(Weight)..... 65 - 67%
 SOLIDS(Volume)..... 45 - 47%
 THEORETICAL COVERAGE..... 300 - 325 sq.ft./gal
DRYING TIME-AT 75 DEGREES F:
 TO TOUCH..... 60 Minutes
 TO RECOAT..... 2 - 4 Hours
 TO TOPCOAT..... 4 - 6 Hours
 VEHICLE TYPE..... Vinyl Acrylic

ADVANTAGES: (1). Seals and Primes.
 (2). Low Cost.
 (3). Water-Base.
 (4). Interior and Exterior.
 (5). Low VOC, HAPS Free

USES: (1). Masonry.
 (2). Concrete.
 (3). Dry Wall.
 (4). Stucco.
 (5). Plaster.

**TECHNICAL DATA SHEET
VINYL ACRYLIC PRIMER
200 SERIES
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs Vinyl Acrylic Primer may be thinned with water if necessary. Use at packaged consistency for most applications. May be applied by brush, roll or spray.

SURFACE PREPARATION:

Surface must be clean and free of grease, oil, chalk, dust, and other contaminants. Loose or peeling paint must be removed by sanding, scraping, waterblast or sandblasting. All mildew must be removed before application. Remove by scrubbing with a solution made of 1 quart household bleach in 3 quarts of water. DO NOT ADD DETERGENTS OR AMMONIA TO THE BLEACH/WATER MIXTURE. Scrub to remove any contaminants. Careful surface preparation is the key to a long lasting and successful job.

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
DEER VALLEY GRAY PRIMER 200A04
PAGE 1 OF 2

PRODUCT: A lead-free, high-solids alkyd primer for ferrous metals. Deer Valley primer is a one-component, modified alkyd primer formulated for maximum exterior durability.

DESCRIPTION: A highly weather-resistant primer for ferrous metal. Deer Valley primer is lead free and has an extremely high solids content. These primers offer excellent "wetting" of the substrate in addition to excellent abrasion and weather resistance. This primer is specially formulated to resist damaging ultraviolet rays and severe weather conditions.

PROPERTIES: COLOR..... Grey Oxide
 SOLIDS(Weight)..... 68 - 70%
 SOLIDS(Volume)..... 45 - 50%
 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..... 11.0 - 11.3 lbs/gal
 FINISH..... Low to Flat Sheen

ADVANTAGES:

- (1). Excellent Corrosion Resistance
- (2). Excellent Foundation for Wood & Metal
- (3). Extremely Abrasion Resistant
- (4). Excellent U.V. Resistance
- (5). Excellent Weather Resistance

- USES:**
- (1). Steel
 - (2). Machinery
 - (3). Tanks
 - (4). Wood
 - (5). Equipment
 - (6). Towers
 - (7). Metal Surfaces

TECHNICAL DATA SHEET
DEER VALLEY GRAY PRIMER 200A04
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Deer Valley Primer is formulated for spray application. For spray application, thin up to 15% by volume with xylene. Brushing small areas is possible, thin with Synthetic Reducer as needed for improved flow.

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:

Surface must be clean and free of all dirt and foreign material. Badly splintered or weathered wood should be sanded for best results.

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
P-674-66 GRAY PRIMER 200A08
PAGE 1 OF 2

PRODUCT: A lead-free , high-solids alkyd primer for wood and ferrous metal. P-674 is a single- component, modified alkyd coatings formulated for maximum exterior durability.

DESCRIPTION: A highly weather-resistant primer for wood and ferrous metal. P-674-66 is lead free and has an extremely high solids content. These primers offer excellent "wetting" of the substrate in addition to excellent abrasion and weather resistance. This primer is specially formulated to resist damaging ultraviolet rays and severe weather conditions.

PROPERTIES: COLOR..... Light Gray
 SOLIDS(Weight)..... 65 - 68%
 VEHICLE SOLIDS(Weight)..... 23 - 25%
 THEORETICAL COVERAGE..... 950 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..... 11.0 - 11.3 lbs/gal
 ACTIVE PIGMENTS..... Zinc Oxide & Zinc Phosphate

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 for Wood
 (6). Extremely Abrasion Resistant
 (7). Excellent U.V. Resistance
 (8). Excellent Weather Resistance

TECHNICAL DATA SHEET
P-674-66 PRIMER 200A08
PAGE 2 OF 2

- USES:**
- (1). Steel
 - (2). Machinery
 - (3). Tanks
 - (4). Wood
 - (5). Equipment
 - (6). Towers
 - (7). Exterior Wood Siding

APPLICATION & REDUCTION:

Griggs P-674-66 Primer can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with Mineral Spirits. 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.

WOOD:

Surface must be clean and free of all dirt and foreign material. Badly splintered or weathered wood should be sanded for best results.

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.

TECHNICAL DATA SHEET
TT-P-641G TYPE III
ZINC PRIMER 200A16
PAGE 1 OF 2

PRODUCT: A two part, high-solids, zinc-dust, zinc oxide primer conforming to TT-P-641G Type III. Protects steel galvanically, thus preventing below film corrosion.

DESCRIPTION: A heavy duty maintenance primer formulated for excellent characteristics over a wide range of chemical and atmospheric conditions. Typical uses: Underground pipes, off shore drilling rigs (above splash zone), water lines, refineries, structural steel and severe corrosive and chemical environments.

PROPERTIES: COLOR..... Gray
 PIGMENT(Weight)..... 74% min
 VOLATILES(Weight)..... 14% min
 THEORETICAL COVERAGE..... 280 sq.ft.@ 2 mil
 FILM THICKNESS..... 2.0 to 2.5 mils p/coat
DRYING TIME-AT 75 DEGREES F
 TO TOUCH..... 1 - 4 Hours
 DRY HARD..... 6 - 12 Hours
 VEHICLE TYPE..... Phenolic
 WEIGHT/GAL (Combined)..... 21 lbs min.
 Pigment Type..... Zinc-Dust/Zinc-Oxide Zinc Content
 DRY FILM..... 79% min.by weight

TOPCOATS: Acrylics, Alkyds, Chlorinated Rubber, and many other maintenance coatings, **consult your Griggs Paint Technical Rep.**

USES: (1). Underground Pipes
 (2). Off Shore Rigs (Above splash zones)
 (3). Water Lines
 (4). Severe Corrosive Environments
 (5). Refineries
 (6). Tank Exteriors
 (7). Structural Steel

TECHNICAL DATA SHEET
TT-P-641G TYPE III
ZINC PRIMER 200A16
PAGE 2 OF 2

APPLICATION:

Spray is the best method of application. Use air spray with agitated pressure pot or airless spray with continuous material mixing setup. Use brush for touch up only. Reduce with Xylol, approximately 1 pint of thinner to 1 gallon of mixed primer.

SURFACE PREPARATION:

SSPC-SP6 Commercial Blast or SSPC-SP10 Near White Blast. If drying time prior to recoating exceeds 48 hours at temperatures above 70 Degrees F, the dry coating must be brush-sandblasted to achieve proper adhesion of new coat.

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 (SSPC-SP6) and primed the same day.

PRECAUTIONS:

Contents are Flammable

Store inside @ 78 F. out of direct sunlight. Keep away from heat and open flame.

Shelf life 6-9 months from date of Mfg.

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
JET-DRI GRAY PRIMER 200A26
PAGE 1 OF 2

PRODUCT: A lead-free , high-solids alkyd primer for wood and ferrous metal. Jet-Dri primer is a one- component, modified alkyd primer formulated for maximum exterior durability.

DESCRIPTION: A highly weather-resistant primer for wood and ferrous metal. Jet-Dri is lead free and has an extremely high solids content. These primers offer excellent "wetting" of the substrate in addition to excellent abrasion and weather resistance. This primer is specially formulated to resist damaging ultraviolet rays and severe weather conditions.

PROPERTIES: COLOR..... Grey Oxide
 SOLIDS(Weight)..... 65 - 70%
 SOLIDS(Volume)..... 45 - 50%
 THEORETICAL COVERAGE..... 400 sq.ft/gal
 DRY FILM THICKNESS..... 2.0 mils p/coat
DRYING TIME-AT 75 DEGREES F:
 TO HANDLE..... 30 minutes
 TO RECOAT..... 2 Hours
 VEHICLE TYPE..... Modified Alkyd
 WEIGHT/GAL..... 11.0 - 11.3 lbs/gal
 FINISH..... Low to Flat Sheen

ADVANTAGES:

- (1). Excellent Corrosion Resistance
- (2). Excellent Foundation for Wood & Metal
- (3). Extremely Abrasion Resistant
- (4). Excellent U.V. Resistance
- (5). Excellent Weather Resistance

- USES:**
- (1). Steel
 - (2). Machinery
 - (3). Tanks
 - (4). Wood
 - (5). Equipment
 - (6). Towers
 - (7). Metal Surfaces

TECHNICAL DATA SHEET
JET-DRI GRAY PRIMER 200A26
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Jet-Dri Primer is formulated for spray application. For spray application, thin up to 15% by volume with xylene or toluene.

Brushing small areas is possible, thin with Synthetic Reducer as needed for improved flow.

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.

WOOD:

Surface must be clean and free of all dirt and foreign material. Badly splintered or weathered wood should be sanded for best results.

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.

**TECHNICAL DATA SHEET
ADOT #1 ALKYD PRIMER
200A28 LIGHT GRAY
PAGE 1 OF 2**

PRODUCT: A lead-free , high-solids alkyd primer for ferrous metal. Griggs ADOT #1 Light Gray Alkyd Primer is manufactured according to pre-published ADOT requirements.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. ADOT #1 alkyd primer is lead free and has an extremely high solids content. These primers offer excellent "wetting" of the steel in addition to excellent abrasion and weather 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..... Light Gray
SOLIDS(Weight)..... 74 - 76%
DRY FILM THICKNESS..... 1.5 to 2.0 mils p/coat
THEORETICAL COVERAGE @ 20% LOSS.....330 sq.ft./GAL
DRYING TIME-AT 75 DEGREES F:
TACK FREE..... 8-10 Hours
DRY HARD..... 20-24 Hours
VEHICLE TYPE..... Alkyd
WEIGHT/GAL..... 11.8 - 12.0 lbs/gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

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). Bridges
(5). Equipment
(6). Towers

**TECHNICAL DATA SHEET
ADOT #1 ALKYD PRIMER
200A28 LIGHT GRAY
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs ADOT #1 Light Gray Alkyd Primer can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with Mineral Spirits. 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 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
ADOT #1 PHENOLIC PRIMER
200A28 LIGHT GRAY
PAGE 1 OF 2**

PRODUCT: A lead-free, high-solids phenolic alkyd primer for ferrous metal. Griggs ADOT #1 Light Gray Primer is manufactured according to pre-published ADOT requirements.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. ADOT #1 primer is lead free and has an extremely high solids content. These primers offer excellent "wetting" of the steel in addition to excellent abrasion and weather 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..... Light Gray
SOLIDS(Weight)..... 72-75%
DRY FILM THICKNESS..... 2.5 to 3.0 mils p/coat
THEORETICAL COVERAGE @ 20% LOSS.....320 sq.ft./GAL
DRYING TIME-AT 75 DEGREES F:
TACK FREE..... 8-10 Hours
DRY HARD.....20-24 Hours
VEHICLE TYPE..... Alkyd-Phenolic
WEIGHT/GAL..... 11.5-11.9 lbs/gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

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). Bridges
(5). Equipment
(6). Towers

**TECHNICAL DATA SHEET
ADOT #1 PHENOLIC PRIMER
200A28 LIGHT GRAY
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs ADOT #1 Light Gray Primer can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with Mineral Spirits. 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
ABLE RATMOORE SERIES
PAGE 1 OF 2

PRODUCT: A lead-free , high-solids alkyd primer for steel and ferrous metals. Ratmoore Primers are single-component, modified alkyd coatings formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. Ratmoore primers are lead and chromate free with high solids content. These primers offer excellent "wetting" of the steel in addition to excellent abrasion and weather resistance.

PROPERTIES: COLORS..... Red, Gray & White
 SOLIDS(Volume)*..... 55 - 59%
 THEORETICAL COVERAGE*..... 900 mil-sq.ft/gal
 DRY FILM THICKNESS..... 2.0 to 3.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
 TO TOUCH..... 1 - 2 Hours
 TO HANDLE..... 2 - 4 Hours
 TO RECOAT..... 10 - 12 Hours
 VEHICLE TYPE..... Modified Alkyd
 VOLATILE ORGANIC COMPOUNDS(VOC)*..... 390 - 403 G/L
 WEIGHT/GAL*..... 12 - 13.2 lbs/gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F
 *Values may vary with color.

ADVANTAGES: (1). Excellent "Wetting" of Steel
 (2). Lead Free Formulation
 (3). Low Sheen
 (4). Special Modified Alkyd Formulation
 (5). Excellent Corrosion Resistance
 (6). Excellent Foundation
 (7). Extremely Abrasion Resistant

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

**TECHNICAL DATA SHEET
ABLE RATMOORE SERIES
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs Ratmoore Primer Able Series can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with Mineral Spirits. 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 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-P-636 200A33 VULCRAFT
TYPE GRAY PRIMER
PAGE 1 OF 2

PRODUCT: A lead-free, high-solids alkyd primer for ferrous metals. TT-P-636 M/W Vulcraft Gray Primer is a one-component, modified alkyd primer formulated for maximum rust protection.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. TT-P-636 Vulcraft Gray Primer is lead free and has an extremely high solids content. This primer offers excellent "wetting" of the substrate in addition to excellent abrasion and weather resistance. This primer is specially formulated to resist rust and corrosion.

PROPERTIES: COLOR..... Vulcraft Gray
 SOLIDS(Weight)..... 84 - 86%
 SOLIDS(Volume)..... 65 - 67%
 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..... 14.0 - 14.6 lbs/gal
 FINISH..... Low to Flat Sheen

ADVANTAGES:

- (1). Excellent Corrosion Resistance
- (2). Excellent Foundation for Metal
- (3). Extremely Abrasion Resistant
- (4). High Solids, Low "VOC" Primer
- (5). Excellent Weather Resistance

- USES:**
- (1). Steel
 - (2). Machinery
 - (3). Tanks
 - (4). Grating
 - (5). Equipment
 - (6). Towers
 - (7). Metal Surfaces

TECHNICAL DATA SHEET
TT-P-636 200A33 VULCRAFT
TYPE GRAY PRIMER
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs TT-P-636 Vulcraft Type Gray Primer is formulated for spray application. For spray application, thin up to 15% by volume with xylene. Brushing small areas is possible, thin with Synthetic Reducer as needed for improved flow.

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.

**TECHNICAL DATA SHEET
MOISTURE-CURE ZINC RICH
PRIMER 200A35
PAGE 1 OF 2**

PRODUCT: A two-component, high-solids, moisture-cured zinc rich primer. Protects steel galvanically, thus preventing below film corrosion.

DESCRIPTION: A heavy duty maintenance primer formulated for excellent characteristics over a wide range of chemical and atmospheric conditions. Typical uses: Underground pipes, off shore drilling rigs (above splash zone), water lines, refineries, structural steel and severe corrosive and chemical environments.

PROPERTIES:

COLOR.....	Green Gray
SOLIDS(Weight).....	85%
SOLIDS(Volume).....	68%
THEORETICAL COVERAGE*.....	1010 sq.ft.@ 1
FILM THICKNESS.....	2.5 to 3.5 mils p/coat
DRYING TIME-AT 75 DEGREES F, 50-90% R.H.	
TO TOUCH.....	1 Hour
TO RECOAT.....	4 Hours
VEHICLE TYPE.....	Moisture Cure Polyurethane
WEIGHT/GAL (Combined).....	24.2 lbs/gal
Pigment Type.....	Zinc Dust
Zinc Content, Dry Film.....	84-86% by weight
Maximum Temp(Intermittent).....	300 F

TOPCOATS: Epoxies, Acrylic, Chlorinated Rubber, Vinyls and many other maintenance coatings, **consult your Griggs Paint Technical Rep.**

USES:

- (1). Underground Pipes
- (2). Off Shore Rigs (Above splash zones)
- (3). Water Lines
- (4). Severe Corrosive Environments
- (5). Refineries
- (6). Tank Exteriors
- (7). Structural Steel

TECHNICAL DATA SHEET
MOISTURE-CURE ZINC RICH
PRIMER 200A35
PAGE 2 OF 2

APPLICATION:

Spray is the best method of application. Use air spray with agitated pressure pot or airless spray with continuous material mixing setup. Use brush for touch up only. Reduce with Moisture Cure Reducer, approximately 1 pint of thinner to 1 gallon of mixed primer.

SURFACE PREPARATION:

SSPC-SP6 Commercial Blast or SSPC-SP10 Near White Blast. If drying time prior to recoating exceeds 48 hours at temperatures above 70 Degrees F, the dry coating must be brush-sandblasted to achieve proper adhesion of new coat.

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 (SSPC-SP6) and primed the same day.

PRECAUTIONS:

Contents are Flammable

Store inside @ 78 F. out of direct sunlight. Keep away from heat and open flame.

Shelf life 6-9 months from date of Mfg.

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
INORGANIC ZINC RICH
PRIMER 200A46 (MIL-P-38336)
PAGE 1 OF 2**

PRODUCT: A high-solids, inorganic zinc rich primer. Cured by solvent release and reaction with atmospheric moisture. Formulated to achieve maximum protection with a single coat.

DESCRIPTION: A heavy duty maintenance primer formulated for excellent characteristics over a wide range of chemical and atmospheric conditions. Typical uses: Underground pipes, off shore drilling rigs (above splash zone), water lines, refineries, structural steel and severe corrosive and chemical environments.

PROPERTIES:

COLORS.....	Green Gray
SOLIDS(Weight).....	75%
SOLIDS(Volume).....	63%
THEORETICAL COVERAGE*.....	994 sq.ft.@ 1
FILM THICKNESS.....	2.0 to 3.0 mils p/coat
DRYING TIME-AT 75 DEGREES F, 50-90% R.H.	
TO TOUCH.....	10-15 Minutes
DRY HARD.....	3-4 Hours
VEHICLE TYPE.....	Inorganic Ethyl Silicate
WEIGHT/GAL (Combined).....	20.4 lbs/gal
Pigment Type.....	Zinc Dust
Zinc Content, Dry Film.....	88-89% by weight
Maximum Temp.....	700 F
Thinner.....	T0083 Zinc Rich Reducer
Clean up.....	T0002 Gun Wash

TOPCOATS: Epoxies, Acrylic, Chlorinated Rubber, Vinyls and many other maintenance coatings, **consult your Griggs Paint Technical Rep.**

USES:

- (1). Underground Pipes
- (2). Off Shore Rigs (Above splash zones)
- (3). Water Lines
- (4). Severe Corrosive Environments
- (5). Refineries
- (6). Tank Exteriors
- (7). Structural Steel

**TECHNICAL DATA SHEET
INORGANIC ZINC RICH PRIMER
200A46 (MIL-P-38336)
PAGE 2 OF 2**

APPLICATION:

Spray is the best method of application. Use air spray with agitated pressure pot or airless spray with continuous material mixing setup. Use brush for touch up only. Do not thin under normal conditions. In hot, windy conditions, if needed reduce up to 1/2 pint of T0083 Zinc Rich Reducer to one gallon of Inorganic Zinc Rich Primer.

SURFACE PREPARATION:

SSPC-SP6 Commercial Blast or SSPC-SP10 Near White Blast.

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 (SSPC-SP6) and primed the same day.

PRECAUTIONS:

Contents are Flammable

Store inside @ 78 F. out of direct sunlight. Keep away from heat and open flame.

Shelf life 6-9 months from date of Mfg.

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 #7 GRAY
PRIMER 200A53
PAGE 1 OF 2

PRODUCT: A lead-free, high-solids, electro-static alkyd primer for ferrous metal. Griggs Electro-Static #7 Primer is a single component, modified alkyd coating formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. Griggs Electro-Static #7 Primer is lead free and has an extremely high solids content. This primer offers excellent "wetting" of the steel in addition to excellent abrasion and weather resistance. This product is formulated for application with electro-static spray equipment to minimize overspray and waste.

PROPERTIES: COLOR..... Gray
 SOLIDS(Weight)..... 77-79%
 THEORETICAL COVERAGE..... 905-910 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
 VOLATILE ORGANIC COMPOUNDS(VOC)..... 326 G/L
 WEIGHT/GAL..... 13.1 lbs/gal
TEMPERATURE RESISTANCE..... Up to 300 degrees F

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). Electro-Static Spray Application

**TECHNICAL DATA SHEET
ELECTROSTATIC #7 GRAY
PRIMER 200A53
PAGE 2 OF 2**

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

APPLICATION & REDUCTION:

Griggs Electro-Static #7 Gray Primer is formulated specifically for electro-static spray application. Thin as needed with Xylene. Adjust charge with Di-Acetone Alcohol as required for proper charge per equipment manufacturer's recommendations. Brushing of small areas is possible. Thin with Synthetic Reducer as needed for improved flow.

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
EPOXY ESTER PRIMER 200A55
PAGE 1 OF 2**

PRODUCT: A lead-free , high-solids, modified epoxy-ester primer for metal. Can be applied to ferrous and non-ferrous metals. Protects metal surface against rust and corrosion.

DESCRIPTION: A high-quality industrial grade epoxy ester primer formulated for maximum corrosion resistance. Adheres tightly to metals due to its rich formulation. Resistant to grease, lubricating oils, aliphatic hydrocarbon solvents, heat, weak acids and alkalis. Griggs Epoxy Ester Primer is recommended for many industrial environments.

PROPERTIES:

COLORS.....	Red,Gray,White
SOLIDS(Weight).....	60 - 65%
SOLIDS(Volume).....	40 - 45%
THEORETICAL COVERAGE.....	300-400 sq.ft/gal
DRY FILM THICKNESS.....	1.5-2.0 mils p/coat
DRYING TIME-AT 75 DEGREES F:	
TO HANDLE.....	1 Hour
TO RECOAT.....	2 Hours
VEHICLE TYPE.....	Modified Epoxy Ester
WEIGHT/GAL.....	11.0 - 11.3 lbs/gal
FINISH.....	Low to Flat Sheen

ADVANTAGES:

- (1). Excellent Corrosion Resistance
- (2). Excellent Adhesion
- (3). Extremely Abrasion Resistant
- (4). Excellent Chemical Resistance
- (5). VOC Compliant

- USES:**
- (1). Steel
 - (2). Machinery
 - (3). Tanks
 - (4). Non-Ferrous Metals
 - (5). Equipment
 - (6). Towers
 - (7). Metal Surfaces

TECHNICAL DATA SHEET
EPOXY ESTER PRIMER 200A55
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Epoxy Ester Primer is formulated for spray, brush or roll application. For spray application, thin up to 15% by volume with Xylene or Toluene. For brushing, thin with Synthetic Reducer as needed for improved flow.

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. Two coats of Griggs Epoxy Ester Primer are recommended for use under water-borne coatings on ferrous metals. Consult your Griggs Technical Representative for non-ferrous metal preparation.

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.

TECHNICAL DATA SHEET
MOISTURE-CURE ZINC RICH
PRIMER 200A56 HI-SOLIDS
PAGE 1 OF 2

PRODUCT: A two component, high-solids, moisture-cured zinc rich primer. Protects steel galvanically, thus preventing below film corrosion.

DESCRIPTION: A heavy duty maintenance primer formulated for excellent characteristics over a wide range of chemical and atmospheric conditions. Typical uses: Underground pipes, off shore drilling rigs (above splash zone), water lines, refineries, structural steel and severe corrosive and chemical environments.

PROPERTIES:

COLOR.....	Green Gray
SOLIDS(Weight).....	87 - 88%
SOLIDS(Volume).....	70 - 71%
THEORETICAL COVERAGE*.....	1126 sq.ft.@ 1
FILM THICKNESS.....	2.5 to 3.5 mils p/coat
DRYING TIME-AT 75 DEGREES F, 50-90% R.H.	
TO TOUCH.....	1 Hour
TO RECOAT.....	4 Hours
VEHICLE TYPE.....	Moisture Cure Polyurethane
WEIGHT/GAL (Combined).....	24.2 lbs/gal
Pigment Type.....	Zinc Dust
Zinc Content, Dry Film.....	84-86% by weight
Maximum Temp(Intermittent).....	300 F

TOPCOATS: Epoxies, Acrylic, Chlorinated Rubber, Vinyls and many other maintenance coatings, **consult your Griggs Paint Technical Rep.**

USES:

- (1). Underground Pipes
- (2). Off Shore Rigs (Above splash zones)
- (3). Water Lines
- (4). Severe Corrosive Environments
- (5). Refineries
- (6). Tank Exteriors
- (7). Structural Steel

TECHNICAL DATA SHEET
MOISTURE-CURE ZINC RICH
PRIMER 200A56 HI-SOLIDS
PAGE 2 OF 2

APPLICATION:

Spray is the best method of application. Use air spray with agitated pressure pot or airless spray with continuous material mixing setup. Use brush for touch up only. Reduce with Moisture Cure Reducer, approximately 1 pint of thinner to 1 gallon of mixed primer.

SURFACE PREPARATION:

SSPC-SP6 Commercial Blast or SSPC-SP10 Near White Blast. If drying time prior to recoating exceeds 48 hours at temperatures above 70 Degrees F, the dry coating must be brush-sandblasted to achieve proper adhesion of new coat.

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 (SSPC-SP6) and primed the same day.

PRECAUTIONS:

Contents are Flammable

Store inside @ 78 F. out of direct sunlight. Keep away from heat and open flame.

Shelf life 6-9 months from date of Mfg.

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
EXCLUSIVE GRAY QD
PRIMER 200A62
PAGE 1 OF 2

PRODUCT: A lead-free, high-solids, quick dry, alkyd primer for ferrous metals. Exclusive Gray Primer is a one-component, modified alkyd primer formulated for maximum exterior durability.

DESCRIPTION: A highly weather-resistant primer for ferrous metal. Griggs Exclusive Gray Primer is lead free and has an extremely high solids content. This primer offers excellent "wetting" of the substrate in addition to excellent abrasion and weather resistance. Exclusive Gray Primer is specially formulated to resist damaging ultraviolet rays and severe weather conditions.

PROPERTIES:

COLOR.....	Exclusive Gray
SOLIDS(Weight).....	65 - 68%
SOLIDS(Volume).....	42 - 45%
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.....	11.2 - 11.5 lbs/gal
FINISH.....	Low to Flat Sheen

ADVANTAGES:

- (1). Excellent Corrosion Resistance
- (2). Excellent Foundation for Wood & Metal
- (3). Extremely Abrasion Resistant
- (4). Excellent U.V. Resistance
- (5). Excellent Weather Resistance

USES:

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

**TECHNICAL DATA SHEET
EXCLUSIVE GRAY QD
PRIMER 200A62
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs Exclusive Gray Primer quick drying and is formulated for spray application. For spray application, thin up to 15% by volume with xylene or toluene. Brushing small areas is possible, thin with Synthetic Reducer as needed for improved flow.

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 MSDS before use.

**TECHNICAL DATA SHEET
SSPC-20 TY.1C INORGANIC
ZINC RICH PRIMER
PAGE 1 OF 2**

PRODUCT: A high-solids, inorganic zinc rich primer. Cured by solvent release and reaction with atmospheric moisture. Formulated to achieve maximum galvanic protection with a single coat.

DESCRIPTION: A heavy duty maintenance primer formulated for excellent characteristics over a wide range of chemical and atmospheric conditions. Typical uses: Underground pipes, off shore drilling rigs (above splash zone), water lines, refineries, structural steel and severe corrosive and chemical environments.

PROPERTIES: COLOR..... Gray
SOLIDS(Weight)..... 79 - 81%
FILM THICKNESS(Dry)..... 2.0 - 3.0 Mils
THEORETICAL COVERAGE..... 994 sq.ft @ 1 mil

DRYING TIME-AT 80 DEGREES F, 50% R.H.

TO TOUCH..... 45 Minutes
DRY HARD..... 18 Hours
VEHICLE TYPE..... Inorganic Ethyl Silicate
WEIGHT/GAL (Combined)..... 24 - 25 lbs/gal
Pigment Type..... Zinc Dust
Zinc Content, Dry Film..... 88-90% By Weight
Pot Life(75 Deg F)..... 8 Hours
Thinner..... T0066 Zinc Rich Reducer

TOPCOATS: Epoxies, Acrylic, Chlorinated Rubber, Vinyls and many other maintenance coatings, **consult your Griggs Paint Technical Rep.**

USES: (1). Underground Pipes
(2). Off Shore Rigs (Above splash zones)
(3). Water Lines
(4). Severe Corrosive Environments
(5). Refineries
(6). Tank Exteriors
(7). Structural Steel

TECHNICAL DATA SHEET
SSPC-20 TY.1C INORGANIC
ZINC RICH PRIMER
PAGE 2 OF 2

MIXING & APPLICATION:

Power mix base then sift in zinc dust into the base very slowly while power mixing. Mix until smooth and free of lumps. Pour mixture through a 30 mesh screen to strain. Spray is the best method of application. Use air spray with agitated pressure pot or airless spray with continuous material mixing setup. Use brush for small area touch up only. Do not thin under normal conditions. In hot, windy conditions, if needed reduce up to 5 ounces of T0066 Zinc Rich Reducer to one gallon of SSPC-20 Ty.1C Inorganic Zinc Rich Primer.

SURFACE PREPARATION:

SSPC-SP6 Commercial Blast or SSPC-SP10 Near White Blast depending on service conditions.

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by a minimum commercial sandblasting (SSPC-SP6) and primed the same day.

PRECAUTIONS:

Contents are Flammable

Store inside @ 78 F. out of direct sunlight. Keep away from heat and open flame.

Shelf life 12 months from date of Mfg.

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.

For Professional Use Only.

TECHNICAL DATA SHEET
EPOXY ZINC RICH PRIMER 200A68
PAGE 1 OF 2

PRODUCT: A high solids, epoxy ester, zinc rich primer. Can be used on structural steel and for the repair of galvanized surfaces. Formulated with a high content of zinc dust.

DESCRIPTION: A heavy duty maintenance primer formulated for use in industrial and chemical environments. Can be topcoated with a variety of coatings. High zinc content provides galvanic cathodic protection of substrate. May also be used to touch up and repair inorganic zincs.

PROPERTIES: COLORS..... Gray
 SOLIDS(Volume)..... 52 - 54%
 Gloss..... Flat
 THEORETICAL COVERAGE*..... 834 mil sq.ft./gal
 DRY FILM THICKNESS..... 3.0 to 5.0 mils p/coat
DRYING TIME-AT 75 DEGREES F
 TO TOUCH..... 1 Hour
 TO RECOAT..... 4 Hours
 WEIGHT/GAL..... 19.7 - 20.4 lbs/gal
 ZINC CONTENT, DRY FILM..... 88-89% by weight
 PIGMENT TYPE..... Zinc Dust

TEMPERATURE RESISTANCE(Dry)

CONTINUOUS..... 250 F
 INTERMITTENT..... 300 F

- USES:**
- (1). Pipes
 - (2). Repair of Galvanized Steel
 - (3). Superior Shop Primer
 - (4). Aggressive Environments
 - (5). Refineries
 - (6). Structural Steel

TECHNICAL DATA SHEET
EPOXY ZINC RICH PRIMER 200A68
PAGE 2 OF 2

MIXING INSTRUCTIONS:

Combine 1 gallon of vehicle to pre-measured gallon of zinc dust by slowly mixing the zinc dust portion into the vehicle while under constant agitation. Mix thoroughly to disperse any lumps of zinc dust that may form while combining. After complete mixing, strain the admixed material before application.

APPLICATION:

Spray is the best method of application. Use air spray with agitated pressure pot or airless spray with continuous material mixing setup. Use brush for touch up only and small areas. Thin with xylene or toluene as required. Approximately 1 quart p/gallon for conventional, 1 pint p/gallon for airless and brush.

SURFACE PREPARATION:

SSPC-SP6 Commercial Blast or SSPC-SP10 Near White Blast.

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 (SSPC-SP6) and primed the same day.

PRECAUTIONS:

Contents are Flammable

Store inside @ 78 F. out of direct sunlight. Keep away from heat and open flame.

Shelf life 12 months from date of Mfg.

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 PRIMER
200A69 WESTERN FAB GRAY
PAGE 1 OF 2**

PRODUCT: A lead-free, high-solids, high-opacity alkyd primer for ferrous metal. Western Fab Gray Primer is a single component, modified alkyd coating formulated for superior rust prevention.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. Western Fab Gray Primer is lead free and has an extremely high solids and prime pigment content. This primer offers excellent "wetting" of the steel in addition to excellent abrasion and weather resistance. Formulated for low VOC content and high opacity.

PROPERTIES:

COLOR.....	Gray
SOLIDS(Weight).....	63 - 65%
THEORETICAL COVERAGE.....	653-655 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
MATERIAL VOLATILE ORGANIC CMPS(VOC).....	348 G/L
WEIGHT/GAL.....	10.7 - 10.9 Lbs/Gal
TEMPERATURE RESISTANCE.....	Up to 300 degrees F

ADVANTAGES:

- (1). Meets Steel Structures Painting Council (S.S.P.C.) requirements
- (2). Excellent Corrosion Resistance
- (3). Hi-Opacity Coverage
- (4). Low "VOC" Formulation
- (5). Excellent Abrasion Resistance
- (6). Excellent Foundation

TECHNICAL DATA SHEET
INDUSTRIAL ALKYD PRIMER
200A69 WESTERN FAB GRAY
PAGE 2 OF 2

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

APPLICATION & REDUCTION:

Griggs Western Fab Gray Primer can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with Mineral Spirits. For spraying, thin up to 15% or as needed with 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
ACRYLIC PRIMER 200A76
PAGE 1 OF 2

PRODUCT: A lead-free, high-solids, modified acrylic, solvent base primer.

DESCRIPTION: A high-quality industrial grade acrylic primer. Resistant to grease, lubricating oils, aliphatic hydrocarbon solvents, heat, weak acids and alkalis.

PROPERTIES: COLOR..... Gray
 SOLIDS(Weight)..... 60 - 65%
 SOLIDS(Volume)..... 40 - 45%
 THEORETICAL COVERAGE..... 300-400 sq.ft/gal
 DRY FILM THICKNESS..... 1.5-2.0 mils p/coat
DRYING TIME-AT 75 DEGREES F:
 TO HANDLE..... 1 Hour
 TO RECOAT..... 2 Hours
 VEHICLE TYPE..... Modified Acrylic Resin
 WEIGHT/GAL..... 11.0 - 11.3 lbs/gal
 FINISH..... Low to Flat Sheen

ADVANTAGES:

- (1). Excellent Corrosion Resistance
- (2). Excellent Adhesion
- (3). Extremely Abrasion Resistant
- (4). Excellent Chemical Resistance
- (5). VOC Compliant

- USES:**
- (1). Steel
 - (2). Machinery
 - (3). Tanks
 - (4). Concrete & Masonry
 - (5). Equipment
 - (6). Towers
 - (7). Metal Surfaces

**TECHNICAL DATA SHEET
ACRYLIC PRIMER 200A76
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs Acrylic Primer is formulated for spray, brush or roll application. For spray application, thin up to 15% by volume with Xylene. For brushing, thin with Synthetic Reducer as needed for improved flow.

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. Two coats of Griggs Acrylic Primer are recommended for use under water-borne coatings on ferrous metals. Consult your Griggs Technical Representative for non-ferrous metal preparation.

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.

TECHNICAL DATA SHEET
FAST DRY WATER REDUCIBLE PRIMER
200A77
PAGE 1 OF 2

PRODUCT: A modified acrylic primer designed for priming most metal surfaces including aluminum, steel, and galvanized steel.

DESCRIPTION: A specially formulated modified acrylic primer designed to be used as a primer on metal surfaces. This acrylic primer may also be applied to non-ferrous metals such as aluminum, steel & galvanized iron, & other surfaces. This product has been formulated to give an excellent foundation for finish coats.

PROPERTIES: COLOR..... Grey or Custom upon request
 SOLIDS(Weight)..... 50 - 60%
 THEORETICAL COVERAGE..... 250 - 400 sq.ft/gal
 DRY FILM THICKNESS..... 1.5 mils @ 350 sq.ft./gal
DRYING TIME-AT 75 DEGREES F:
 TO TOUCH..... 30 Minutes
 TO SAND 2 Hours
 VEHICLE TYPE..... Modified Acrylic
 GLOSS..... 5-15 @ 60 Degrees

ADVANTAGES: (1). Early Water Resistance.
 (2). Excellent adhesion to most metals.
 (3). Fast Air dry
 (4). Difficult to clean with water in 15 min.
 (5) 200 hrs Salt Spray with min. creepage and rusting
 (6). 200 hrs water soak with min blistering
 (7). Excellent sanding after 2 hrs

USES: (1). As Primer or Surfacer on metal to receive topcoats

TECHNICAL DATA SHEET
FAST DRY WATER REDUCIBLE PRIMER
200A77
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Fast Dry Primer, 200A77 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.

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
RATMOORE #5 GRAY PRIMER
200A80
PAGE 1 OF 3

PRODUCT: A lead-free, high-solids alkyd primer for ferrous metal. Ratmoore #5 Gray Primer is a single component, modified alkyd coating formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. Ratmoore #5 Gray Primer is lead free and has an extremely high solids content. This primer offers excellent "wetting" of the steel in addition to excellent abrasion and weather resistance. Reformulated for lower VOC content. Available for winter and summer formulation.

PROPERTIES: COLOR..... Gray
 SOLIDS(Weight)..... 77-79%
 THEORETICAL COVERAGE..... 905-910 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
 VOLATILE ORGANIC COMPOUNDS(VOC)..... 326 G/L
 WEIGHT/GAL..... 13.1 lbs/gal
TEMPERATURE RESISTANCE..... Up to 300 degrees F

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
RATMOORE #5 GRAY PRIMER
200A80
PAGE 2 OF 3

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

APPLICATION & REDUCTION:

Griggs Ratmoore #5 Gray Primer can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with Mineral Spirits. For spraying, thin up to 15% or as needed with 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
RATMOORE #5 GRAY PRIMER
200A80
PAGE 3 OF 3

PERFORMANCE CRITERIA:

ABRASION: ASTM D 4060, 500 gm. Load, CS-17 Wheel, Does not exceed 30 mg. loss after 500 cycles.

ADHESION: ASTM D 3359, Method B (crosshatch adhesion). Pass 5B rating.

SALT SPRAY: ASTM B 117, No blistering, cracking, softening or delamination of film. No rust at scribe and no rusting at edges after 500 hrs.

STANDARDS: Meets or exceeds performance requirements of Federal Specification TT-P-86D, Type I and II.

**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

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

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
FERRO-PRIME STEEL GRAY
200A84 #36375
PAGE 1 OF 2

PRODUCT: A lead-free, high-solids alkyd primer for steel and ferrous metals. Griggs FERRO-PRIME series primers single component, modified alkyd coatings formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. FERRO-PRIME primers are lead and chromate free with high solids content. These primers offer excellent "wetting" of the steel in addition to excellent abrasion and weather resistance.

PROPERTIES: COLORS..... Red, Gray & White
 SOLIDS(Volume)*..... 55 - 60%
 THEORETICAL COVERAGE*..... 900 mil-sq.ft/gal
 DRY FILM THICKNESS..... 2.0 to 3.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
 TO TOUCH..... 1 - 2 Hours
 TO HANDLE..... 2 - 4 Hours
 TO RECOAT..... 10 - 12 Hours
 VEHICLE TYPE..... Long Oil Alkyd
 VOLATILE ORGANIC COMPOUNDS(VOC)*..... 315 G/L
 WEIGHT/GAL*..... 13 - 13.2 lbs/gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F
 *Values may vary with color.

ADVANTAGES: (1). Excellent "Wetting" of Steel
 (2). Lead Free Formulation
 (3). Low Sheen
 (4). Special Modified Alkyd Formulation
 (5). Excellent Corrosion Resistance
 (6). Excellent Foundation
 (7). Extremely Abrasion Resistant

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

TECHNICAL DATA SHEET
FERRO-PRIME STEEL GRAY
200A84 #36375
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs FERRO-PRIME primers can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with Mineral Spirits. 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 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
M.W. GRAY ALKYD PRIMER 200A88
PAGE 1 OF 2

PRODUCT: A lead-free, high-solids, modified alkyd primer for ferrous metal. Dries to a smooth, uniform film.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. M.W. Gray Primer is lead free, Low VOC and has an extremely high solids content. This primer offers excellent "wetting" of the steel in addition to superior abrasion and weather 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..... M.W. Gray
 SOLIDS(Weight)..... 74 - 76%
 DRY FILM THICKNESS..... 2.0 to 2.5 mils p/coat
 VOC CONTENT..... 340 G/L
DRYING TIME-AT 75 DEGREES F:
 TACK FREE..... 1 Hour
 DRY HARD..... 4 Hours
 VEHICLE TYPE..... Modified Alkyd
 WEIGHT/GAL..... 12.2 - 12.4 Lbs/Gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

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). Bridges
 (5). Equipment
 (6). Towers

TECHNICAL DATA SHEET
M.W. GRAY ALKYD PRIMER 200A88
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs M.W. Gray Alkyd Primer can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with Mineral Spirits. For spraying, thin up to 15% by volume or as needed with Acetone, Xylene or 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:

Always test topcoat for adhesion. Our M.W. Gray Primer is formulated to and for Griggs Paint topcoat, adhesion to other coating systems is the customer's responsibility.

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
THERMA GRAY QD PRIMER 200A104
PAGE 1 OF 2

PRODUCT: A lead-free, high-solids, quick dry, industrial grade, alkyd primer for ferrous metals. Therma Gray Primer is a one-component, modified alkyd primer formulated for maximum exterior durability.

DESCRIPTION: A highly weather-resistant primer for ferrous metal. Griggs Therma Gray Primer is lead free and has an extremely high solids content. This primer offers excellent "wetting" of the substrate in addition to excellent abrasion and weather resistance. Therma Gray Primer is specially formulated to resist damaging ultraviolet rays and severe weather conditions.

PROPERTIES: COLOR..... Therma Gray
 SOLIDS(Weight)..... 65 - 68%
 SOLIDS(Volume)..... 42 - 45%
 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..... 11.2 - 11.5 lbs/gal
 FINISH..... Low to Flat Sheen

ADVANTAGES: (1). Excellent Corrosion Resistance
 (2). Excellent Foundation for Wood & Metal
 (3). Extremely Abrasion Resistant
 (4). Excellent U.V. Resistance
 (5). Excellent Weather Resistance

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

TECHNICAL DATA SHEET
THERMA GRAY QD PRIMER 200A104
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Therma Gray Primer quick drying and is formulated for spray application. For spray application, thin up to 15% by volume with xylene or toluene. Brushing small areas is possible, thin with Synthetic Reducer as needed for improved flow.

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 MSDS before use.

TECHNICAL DATA SHEET
INDUSTRIAL PRIMER LOW VOC FAB
GRAY 200A106
PAGE 1 OF 2

PRODUCT: A lead-free, high-solids, low VOC alkyd primer for ferrous metal.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. Griggs Fab Gray Primer is lead free and has an extremely high solids content. These primers offer excellent "wetting" of the steel in addition to excellent abrasion and weather resistance. May be applied over firm old alkyd or oilbase coatings as a barrier coat. This coating is extremely versatile due to its high solids formulation.

PROPERTIES: COLOR..... Light Gray
 SOLIDS(Weight)..... 81-83%
 DRY FILM THICKNESS..... 2.5 to 3.0 mils p/coat
 THEORETICAL COVERAGE @ 1 mil..... 1064 sq.ft/gal
DRYING TIME-AT 75 DEGREES F:
 TACK FREE..... 30-45 Minutes
 RECOAT..... 1 -2 Hours
 VEHICLE TYPE..... Modified Alkyd
 WEIGHT/GAL..... 12.4-12.6 lbs/gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

ADVANTAGES: (1). Low VOC - High Solids
 (2). Abrasion Resistant
 (3). Excellent Corrosion Resistance
 (4). Excellent Foundation

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

TECHNICAL DATA SHEET
INDUSTRIAL PRIMER LOW VOC FAB
GRAY 200A106
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Low VOC Fab Gray Primer can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with Mineral Spirits. 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
ALKYD PRIMER SSP 25
200A110 LEE GRAY
PAGE 1 OF 2

PRODUCT: A lead and chromate free, high-solids, modified alkyd primer for ferrous metal. Dries to a smooth, uniform film.

DESCRIPTION: A highly rust inhibitive primer for ferrous metal. SSP 25 Lee Gray Primer is lead free, Low VOC and has an extremely high solids content. This primer offers excellent "wetting" of the steel in addition to superior abrasion and weather 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..... Lee Gray
 SOLIDS(Volume)..... 53 - 56%
 DRY FILM THICKNESS..... 2.0 to 3.0 mils p/coat
 VOC CONTENT..... < 340 G/L
DRYING TIME-AT 75 DEGREES F:
 TACK FREE..... 1 Hour
 DRY HARD..... 6 - 8 Hours
 VEHICLE TYPE..... Modified Alkyd
 WEIGHT/GAL..... 12.1 - 12.4 Lbs/Gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

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). Structural Steel
 (2). Machinery
 (3). Tanks
 (4). Bridges
 (5). Equipment
 (6). Towers

**TECHNICAL DATA SHEET
ALKYD PRIMER SSP 25
200A110 LEE GRAY
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs SSP 25 Lee Gray Alkyd Primer can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with Mineral Spirits. For spraying, thin up to one pint per gallon with Mineral Spirits, Acetone, Xylene or Synthetic Reducer. Available in a spray-ready grade upon request.

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, loose rust, and foreign material. For best results, steel surface should be cleaned by commercial sandblasting and primed the same day.

PRECAUTIONS:

Always test topcoat for adhesion. Our SSP 25 Lee Gray Primer is formulated to and for Griggs Paint topcoat, adhesion to other coating systems is the customer's responsibility. Do not leave exterior steel untopcoated for more than 6 months.

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

For Industrial use only.

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
ZINC CHROMATE PRIMER
200B05 FLAT BLACK
PAGE 1 OF 2**

PRODUCT: A corrosion-inhibiting zinc chromate primer.

DESCRIPTION: Griggs Zinc Chromate Primer is a single component, zinc-chromate pigmented, low-moisture sensitivity primer primarily intended for spray application. This primer may be used with or without top coating. When suitable thinned, this primer may be used for dip or flow-coat application.

PROPERTIES:

SOLIDS(Weight)..... 46% Minimum
PIGMENT(Weight)..... 53% Minimum
COLOR..... Black

DRYING TIME:

DRY HARD..... Within 15 Minutes
GLOSS..... Not Over 6 Units
SHELF LIFE.....1 Year
THINNER..... Xylene

ADVANTAGES:

- (1). Corrosion Inhibiting
- (2). Use With or Without Topcoat
- (3). Fast Dry
- (4). Low-Moisture Sensitivity

**TECHNICAL DATA SHEET
ZINC CHROMATE PRIMER
200B05 FLAT BLACK
PAGE 2 OF 2**

SURFACE PREPARATION: *Steel, Non-Ferrous Metals & Galvanizing.*

Surface to be coated must be clean, dry, and free of all foreign contaminants including grease, oil, dirt and paint. Clean in accordance with SSPC-SP-1. Most metals should be sanded, except aluminum, which must have a base coat of pre-treatment wash primer MIL-C-8514C, followed by one wet coat of Griggs 200B05 Zinc Chromate Primer. Alloys that oxidize must be lightly sanded to remove all loose material. Dirt and dust are best removed with a stiff bristle brush and by compressed air. For exterior use and non-ferrous metals, it is recommended that Griggs 200B05 Zinc Chromate Primer applied over pre-treatment coating conforming to MIL-C-8514C or DOD-P 15328D. 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/APPLICATION INSTRUCTIONS:

Apply by spray, brush or dip to deposit a hiding coat of primer. A wet coat is necessary to secure maximum adhesion and corrosion inhibiting properties. For application by spray, thin one volume of packaged material with not more than 1/2 volumes of Xylene. For dip or roller, thin 3 parts of packaged material with up to 5 parts of MIL-T 81772B TY.III 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
ALKYD CHALK-BOND PRIMER
200C03 CLEAR
PAGE 1 OF 2

PRODUCT: An alkyd based primer formulated specifically for use on chalky exterior surfaces.

DESCRIPTION: A specially formulated alkyd-based primer designed to be used as a primer for chalky exterior 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)..... 37 - 38%
 THEORETICAL COVERAGE..... 200 - 400 sq.ft/gal

DRYING TIME-AT 75 DEGREES F:

TO TOUCH..... 4 Hours
 TO RECOAT..... 18 Hours
 VEHICLE TYPE..... Linseed Oil/Modified Alkyd
 WEIGHT/GAL..... 7.0 - 7.2 Lbs

ADVANTAGES: (1). Bonds Chalky Surface.
 (2). Creates Firm Surface.
 (3). Easy to Use.

USES: (1). Masonry
 (2). Wood.
 (3). Block.

**TECHNICAL DATA SHEET
ALKYD CHALK-BOND PRIMER
200C03 CLEAR
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs Chalk-Bond Primer may be thinned when coating light chalking surfaces. Thin at a ratio of 3 parts Mineral Spirits to 8 parts Chalk-Bond. For heavy chalking, use at packaged consistency.

SURFACE PREPARATION:

Chalking that is very loose and dusty should be removed by wire brushing or scrubbing. Surface must be dry and free of oil and grease and sound before painting.

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
ALKYD CHALK-BOND PRIMER
200C49 CLEAR
PAGE 1 OF 2

PRODUCT: A clear alkyd based primer formulated specifically for use on chalky exterior surfaces.

DESCRIPTION: A specially formulated alkyd-based primer designed to be used as a primer for chalky exterior 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).....	41 - 43%
THEORETICAL COVERAGE.....	200 - 400 sq.ft/gal
DRY FILM THICKNESS.....	1 mil @ 350 sq.ft./gal
DRYING TIME-AT 75 DEGREES F:	
TO TOUCH.....	4 Hours
TO RECOAT.....	18 Hours
VEHICLE TYPE.....	Modified Alkyd
WEIGHT/GAL.....	7.3 - 7.5 lbs

ADVANTAGES:

- (1). Bonds Chalky Surface.
- (2). Creates Firm Surface.
- (3). Easy to Use.

USES:

- (1). Masonry
- (2). Wood.
- (3). Block.

**TECHNICAL DATA SHEET
ALKYD CHALK-BOND PRIMER
200C49 CLEAR
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs Chalk-Bond Primer may be thinned when coating light chalking surfaces. Thin at a ratio of 3 parts Mineral Spirits to 8 parts Chalk-Bond. For heavy chalking, use at packaged consistency.

SURFACE PREPARATION:

Chalking that is very loose and dusty should be removed by wire brushing or scrubbing. Surface must be dry and free of oil and grease and sound before painting.

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
METAL PRETREATMENT
WASH PRIMER
PAGE 1 OF 2**

PRODUCT: A two-component metal pretreatment wash primer.

DESCRIPTION: Griggs Metal Pretreatment Wash Primer is a two-component, zinc-chromate pigmented, polyvinyl butyral coating. It serves as an excellent bond coat to many surfaces including aluminum, galvanized metal, lead, brass, magnesium, fiberglass and ferrous metals. May also be used on blasted clean steel surfaces with some vinyl systems. This primer is available in two transparent colors; green and yellow. Meets specifications MIL-C-8514C(yellow) and DOD-P-15328D(green).

PROPERTIES:

SOLIDS(Weight).....	19 - 21%
SOLIDS(Volume).....	15 - 17%
VISCOSITY.....	57 - 75 KU
COLORS.....	Green & Yellow
POT LIFE(77 degrees F).....	8 Hours**
TACK FREE.....	15 Minutes**
DRY HARD.....	30 Minutes**
SHELF LIFE.....	1 Year
THINNER.....	T-120-66
COVERAGE.....	750 - 800 sq.ft/gal
MIXING RATIO.....	4:1 BY VOLUME

** Dependent on temperature and humidity levels.

ADVANTAGES:

- (1). Promotes Excellent Base
- (2). Serves as a Tiecoat
- (3). Fast Dry
- (4). Excellent Coverage Rate
- (5). Meets Government Specifications

**TECHNICAL DATA SHEET
METAL PRETREATMENT
WASH PRIMER
PAGE 2 OF 2**

SURFACE PREPARATION: *Steel, Non-Ferrous Metals & Galvanizing.*

Surface to be coated must be clean, dry, and free of all foreign contaminants including grease, oil, dirt and paint. Clean in accordance with SSPC-SP-1. Alloys that oxidize must be lightly sanded to remove all loose material. 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. Add 2 parts T-120-66 thinner to 1 part of C-152-66 Acid Component. Add this mixture to 4 parts of the primer (resin component) slowly while mixing. Slight additional thinning may be done with T-120-66 but not with the acid component. Do not mix more material than can be used in 8.

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
TT-P-1757A/P-759A-66
ZINC CHROMATE PRIMER
PAGE 1 OF 2

PRODUCT: A low-moisture sensitivity, corrosion-inhibiting zinc chromate primer.

DESCRIPTION: TT-P-1757A Zinc Chromate Primer per P-759A-66 is a single component, zinc-chromate pigmented, low-moisture sensitivity primer primarily intended for spray application on surface treated aluminum or surface treated with pre-treatment coatings MIL-C-8514C or DOD-P-15328D. This primer may be used with or without top coating. When suitable thinned, this primer may be used for dip or flow-coat application. Also available in Type II, aerosol cans.

PROPERTIES:

SOLIDS(Weight)..... 46% Minimum
 PIGMENT(Weight)..... 53% Minimum Zinc
 Chromate(Weight)..... 85% Minimum of Pigment
 COLORS.....Green & Yellow

DRYING TIME:

DRY HARD..... Within 15 Minutes
 GLOSS..... Not Over 6 Units
 SHELF LIFE.....1 Year
 THINNER..... MIL-T-81772B TY.III or TT-X-916

ADVANTAGES:

- (1). Corrosion Inhibiting
- (2). Use With or Without Topcoat
- (3). Fast Dry
- (4). Low-Moisture Sensitivity
- (5). Meets Government Specifications

**TECHNICAL DATA SHEET
TT-P-1757A/P-759A-66
ZINC CHROMATE PRIMER
PAGE 2 OF 2**

SURFACE PREPARATION: *Steel, Non-Ferrous Metals & Galvanizing.*

Surface to be coated must be clean, dry, and free of all foreign contaminants including grease, oil, dirt and paint. Clean in accordance with SSPC-SP-1. Most metals should be sanded, except aluminum, which must have a base coat of pre-treatment wash primer MIL-C-8514C, followed by one wet coat of TT-P-1757A. Alloys that oxidize must be lightly sanded to remove all loose material. Dirt and dust are best removed with a stiff bristle brush and by compressed air. For exterior use and non-ferrous metals, it is recommended that TT-P-1757A be applied over pre-treatment coating conforming to MIL-C-8514C or DOD-P-15328D. 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/APPLICATION INSTRUCTIONS:

Apply by spray, brush or dip to deposit a hiding coat of primer. A wet coat is necessary to secure maximum adhesion and corrosion inhibiting properties. For application by spray, thin one volume of packaged material with not more than 2-1/2 volumes of thinner per TT-X-916 or MIL-T-81772B TY.III. For dip or roller, thin 3 parts of packaged material with up to 5 parts of TT-X-916 or MIL-T-81772B TY.III 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
MIL-P-23377G CLASS N EPOXY
POLYAMIDE PRIMER NON-CHROMATE
FORMULATION**

PRODUCT DESCRIPTION:

A two-component, low VOC, non chromate, high solids, epoxy-polyamide primer 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.

TYPICAL PROPERTIES:

- (1). **COLORS**..... TY.I YELLOW, TY.II DK.GREEN
- (2). **SHELF LIFE**..... 1 Year From Date of Mfg
- (3). **DRYING TIME:**
 - Tack-Free: Within 5 Hours
 - Dry Hard: Within 8 Hours
- (4). **POT LIFE:** 4 hours
- (5). **Maximum VOC:**340 g/l (2.8 lbs/gal)

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. Thin with MIL-T-81772B TY.II if necessary. 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. Brush and roll small areas only, as spraying is the recommended application method.

TECHNICAL DATA SHEET
TT-P-1757B TY.II, CL.C
ZINC CHROMATE PRIMER
PAGE 1 OF 2

PRODUCT: A one-component, alkyd base, corrosion-inhibiting low VOC, zinc-chromate primer.

DESCRIPTION: TT-P-1757B Ty.II, Cl.C Primer is a single component, zinc chromate, low-moisture sensitivity primer primarily intended for spray application on surface treated aluminum or surface treated with pre-treatment coatings MIL-C-8514C or DOD-P-15328D. This primer may be used with or without top coating. When suitable thinned, this primer may be used for dip or flow-coat application.

PROPERTIES:

SOLIDS(Weight).....	59% Minimum
FINENESS OF GRIND.....	6 Minimum
COLOR.....	#34151 Green
DRYING TIME:	
DRY HARD.....	Within 15 Minutes
VOLATILE ORGANIC COMPOUNDS.....	340 g/l Maximum
THINNER.....	MIL-T-81772B TY.III
SHELF LIFE.....	1 Year

ADVANTAGES:

- (1). Corrosion Inhibiting
- (2). Low VOC
- (3). Use With or Without Topcoat
- (4). Zinc-Chromate Rust Inhibitor
- (5). Low-Moisture Sensitivity
- (6). Meets Government Specifications

TECHNICAL DATA SHEET
TT-P-1757B TY.II, CL.C
ZINC CHROMATE PRIMER
PAGE 2 OF 2

SURFACE PREPARATION: *Steel, Non-Ferrous Metals & Galvanizing.*

Surface to be coated must be clean, dry, and free of all foreign contaminants including grease, oil, dirt and paint. Clean in accordance with SSPC-SP-1. Most metals should be sanded, except aluminum, which must have a base coat of pre-treatment wash primer MIL-C-8514C, followed by one wet coat of TT-P-1757B Ty.II, Cl.C. Alloys that oxidize must be lightly sanded to remove all loose material. Dirt and dust are best removed with a stiff bristle brush and by compressed air. For exterior use and non-ferrous metals, it is recommended that TT-P-1757B Ty.II, Cl.C be applied over pre-treatment coating conforming to MIL-C-8514C or DOD-P-15328D. Grease and oil should be removed by cleaning with appropriate solvents such as mineral spirits, lacquer wash thinner or xylene.

MIXING/APPLICATION INSTRUCTIONS:

Apply by spray, brush or dip to deposit a hiding coat of primer. A wet coat is necessary to secure maximum adhesion and corrosion inhibiting properties. For application by spray, thin one volume of packaged material with not more than 2-1/2 volumes of thinner per TT-X-916 or MIL-T-81772B TY.III. For dip or roller, thin 3 parts of packaged material with up to 5 parts of TT-X-916 or MIL-T-81772B TY.III 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
MIL-PRF-23377H CL.N EPOXY
POLYAMIDE PRIMER NON-CHROMATE
FORMULATION**

PRODUCT DESCRIPTION:

A two-component, low VOC, non chromate, high solids, epoxy-polyamide primer 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.

TYPICAL PROPERTIES:

- (1). **COLORS**.....TY.I YELLOW, TY.II DK.GREEN
- (2). **SHELF LIFE**..... 1 Year From Date of Mfg
- (3). **DRYING TIME:**
Tack-Free: Within 5 Hours
Dry Hard: Within 8 Hours
- (4). **POT LIFE:** 4 hours
- (5). **Maximum VOC:** 340 g/l (2.8 lbs/gal)

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. Thin with MIL-T-81772B TY.II if necessary. 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. Brush and roll small areas only, as spraying is the recommended application method.

TECHNICAL DATA SHEET
DOD-P-15328C
PRE-TREAT WASH PRIMER
PAGE 1 OF 2

PRODUCT: A two-component metal pretreatment wash primer.

DESCRIPTION: Griggs DOD-P-15328C Metal Pretreatment Wash Primer is a two-component, zinc-chromate pigmented, polyvinyl butyral coating. It serves as an excellent bond coat to many surfaces including aluminum, galvanized metal, lead, brass, magnesium, fiberglass and ferrous metals. May also be used on blasted clean steel surfaces with some vinyl systems. This primer is available in a blue transparent color and meets specification DOD-P-15328C.

PROPERTIES:

SOLIDS(Weight).....	19 - 21%
SOLIDS(Volume).....	15 - 17%
VISCOSITY.....	57 - 75 KU
COLOR.....	Blue
POT LIFE(77 degrees F).....	8 Hours**
TACK FREE.....	15 Minutes**
DRY HARD.....	30 Minutes**
SHELF LIFE.....	1 Year
THINNER.....	T-120-66
COVERAGE.....	750 - 800 sq.ft/gal
MIXING RATIO.....	4:1 BY VOLUME

** Dependent on temperature and humidity levels.

ADVANTAGES:

- (1). Promotes Excellent Base
- (2). Serves as a Tiecoat
- (3). Fast Dry
- (4). Excellent Coverage Rate
- (5). Meets Government Specifications

TECHNICAL DATA SHEET
DOD-P-15328C
PRE-TREAT WASH PRIMER
PAGE 2 OF 2

SURFACE PREPARATION: *Steel, Non-Ferrous Metals & Galvanizing.*

Surface to be coated must be clean, dry, and free of all foreign contaminants including grease, oil, dirt and paint. Clean in accordance with SSPC-SP-1. Alloys that oxidize must be lightly sanded to remove all loose material. 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. Add 2 parts T-120-66 thinner to 1 part of C-152-66 Acid Component. Add this mixture to 4 parts of the primer(resin component) slowly while mixing. Slight additional thinning may be done with T-120-66 but not with the acid component. Do not mix more material than can be used in 8.

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
FRANCISCAN BROWN PRIMER 200N02
PAGE 1 OF 2

PRODUCT: A lead-free , high-solids alkyd primer for ferrous metals. This industrial primer is a one- component modified alkyd primer formulated for excellent exterior durability.

DESCRIPTION: A highly weather-resistant primer for ferrous metal. Franciscan Brown Primer is lead free and has an extremely high solids content. These primers offer excellent "wetting" of the substrate in addition to excellent abrasion and weather resistance. This primer is specially formulated to resist damaging ultraviolet rays and severe weather conditions.

PROPERTIES: COLOR..... Franciscan Brown
 SOLIDS(Weight)..... 62 - 64%
 SOLIDS(Volume)..... 41 - 43%
 THEORETICAL COVERAGE..... 400 sq.ft/gal
 DRY FILM THICKNESS..... 2.0 mils p/coat
DRYING TIME-AT 75 DEGREES F:
 TO HANDLE..... 30 Minutes
 TO RECOAT..... 6 Hours
 VEHICLE TYPE..... Modified Alkyd
 WEIGHT/GAL..... 11.2 - 11.5 lbs/gal
 FINISH..... Low to Flat Sheen

ADVANTAGES:

- (1). Excellent Corrosion Resistance
- (2). Excellent Foundation for Metal
- (3). Extremely Abrasion Resistant
- (4). Excellent U.V. Resistance
- (5). Excellent Weather Resistance

- USES:**
- (1). Steel
 - (2). Machinery
 - (3). Tanks
 - (4). Steel Beams & Trusses
 - (5). Equipment
 - (6). Towers
 - (7). Metal Surfaces

TECHNICAL DATA SHEET
FRANCISCAN BROWN PRIMER 200N02
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Franciscan Brown Primer is formulated for spray application. For spray application, thin up to 15% by volume with xylene or toluene. Brushing small areas is possible, thin with Synthetic Reducer as needed for improved flow.

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.

WOOD:

Surface must be clean and free of all dirt and foreign material. Badly splintered or weathered wood should be sanded for best results.

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.

TECHNICAL DATA SHEET
TT-P-645A
ZINC CHROMATE PRIMER
PAGE 1 OF 2

PRODUCT: A corrosion-inhibiting, zinc chromate primer.

DESCRIPTION: TT-P-645A Zinc Chromate Primer is a single component, modified phenolic alkyd zinc-chromate pigmented, primer primarily intended for use as an after-pickling coating on steel and as a primer for application to steel and aluminum.

PROPERTIES:

SOLIDS(Weight).....	69 - 71%
PIGMENT(Weight).....	52 - 54%
ZINC CHROMATE(Weight).....	20% Minimum of Pigment
RESIN.....	Modified Phenolic Alkyd
COLORS.....	Red, Green & Yellow
DRYING TIME: DRY HARD.....	Within 6
Hours GRIND.....	Not Under 5
SHELF LIFE.....	1 Year
THINNER.....	Xylene

ADVANTAGES:

- (1). Corrosion Inhibiting
- (2). High Solids
- (3). Fast Dry
- (4). Use on ferrous and non-ferrous metals
- (5). Meets Government Specifications

TECHNICAL DATA SHEET
TT-P-645A
ZINC CHROMATE PRIMER
PAGE 2 OF 2

SURFACE PREPARATION: *Steel, Non-Ferrous Metals & Galvanizing.*

Surface to be coated must be clean, dry, and free of all foreign contaminants including grease, oil, dirt and paint. Clean in accordance with SSPC-SP-1. Most metals should be sanded, except aluminum, which must have a base coat of pre-treatment wash primer MIL-C-8514C, followed by one wet coat of TT-P-645A. Alloys that oxidize must be lightly sanded to remove all loose material. Dirt and dust are best removed with a stiff bristle brush and by compressed air. For exterior use and non-ferrous metals, it is recommended that TT-P-645A be applied over pre-treatment coating conforming to MIL-C-8514C or DOD-P-15328D. 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/APPLICATION INSTRUCTIONS:

Apply by spray, or brush small areas to deposit a hiding coat of primer. A wet coat is necessary to secure maximum adhesion and corrosion inhibiting properties. For application by spray, thin with Xylene for proper atomization.

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
SSPC-11 RED OXIDE PRIMER
200R09
PAGE 1 OF 2

PRODUCT: A lead-free, high-solids alkyd primer for ferrous metal. Griggs SSPC-11 Primer is a single-component, modified alkyd coatings formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. Griggs SSPC-11 primer is lead free and has an extremely high solids content. This primers offers excellent "wetting" of the steel in addition to excellent abrasion and weather resistance.

PROPERTIES: COLOR..... Red
 SOLIDS(Weight)..... 82 - 83%
 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..... 1 To 2 Hours
 TO RECOAT..... 10 To 12 Hours
 DRY HARD.....14 To 16 Hours
 VOLATILE ORGANIC COMPOUNDS(VOC)..... 257 G/L
 SPECIFIC GRAVITY..... 1.44
 WEIGHT/GAL..... 12.01 Lbs/gal
TEMPERATURE RESISTANCE..... Up to 300 degrees F

ADVANTAGES: (1). Meets Steel Structures Painting Council
 (S.S.P.C.) requirements.
 (2). ASTM B117 Salt Fog Test: 300+ 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
SSPC-11 RED OXIDE PRIMER
200R09
PAGE 2 OF 2

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

APPLICATION & REDUCTION:

Griggs SSPC-11 Red Oxide Primer can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with Mineral Spirits. 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
200R12 RED OXIDE
SHOP COAT PRIMER
PAGE 1 OF 2**

PRODUCT: A lead-free ,low-cost, rust inhibitive primer for ferrous metal. Griggs Shop Coat Red Oxide Primer can be used for interior or exterior protection.

DESCRIPTION: A lead and chromate free, rust-inhibitive primer designed for the protection of steel and iron. It is manufactured with a blend of alkyd resins and select fillers. It can be used on surfaces that will be subject to interior and exterior exposure. For industrial use only, designed for the professional user.

PROPERTIES: COLOR..... Red Oxide
SOLIDS(Weight)..... 67 - 69%
DRY FILM THICKNESS..... 2.5 to 3.0 mils p/coat
SPREADING RATE: 850-870 sq.ft.gal.(Theoretical) at
1 mil.

DRYING TIME-AT 75 DEGREES F:

TACK FREE..... 30 Minutes
TO RECOAT..... 1 - 2 Hours
DRY HARD..... 20-24 Hours
VEHICLE TYPE..... Modified Alkyd
WEIGHT/GAL..... 11.9 - 12.2 Lbs/Gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

ADVANTAGES: (1). Meets Steel Structures Painting Council
(S.S.P.C.) requirements.
(2). Good Corrosion Resistance.
(3). Fast Drying.
(4). Low Cost.

USES: (1). Steel
(2). Bridges
(3). Tanks

**TECHNICAL DATA SHEET
200R12 RED OXIDE
SHOP COAT PRIMER
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs Red Oxide Shop Coat Primer 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 or Xylol. May be thinned with Acetone for low "VOC" requirements.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer. Follow SSPC guidelines for specific 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. Follow SSPC guidelines for specific instructions.

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-636D RED OXIDE
PRIMER 200R13
PAGE 1 OF 2

PRODUCT: An alkyd primer coating for wood and ferrous metal.

DESCRIPTION: A high quality alkyd base red oxide primer for wood and ferrous metal. Contains an extremely high solids content. This primer offers excellent "wetting" of the steel in addition to excellent abrasion and weather resistance. May be air dried or low-baked.

PROPERTIES: COLOR..... Red Oxide
PIGMENT(Weight)..... 40 - 45%
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 TOUCH..... 1/4 - 1 Hour
DRY THROUGH..... 18 Hours
VEHICLE TYPE..... Modified Alkyd
WEIGHT/GAL..... 12.3 lbs/gal
VISCOSITY..... 67 - 77 KU
TEMPERATURE RESISTANCE..... Up to 250 degrees F

ADVANTAGES: (1). Low Volatile Organic Compound Content
(2). Excellent Corrosion Resistance
(3). Excellent Foundation
(4). Extremely Abrasion Resistant
(5). Low V.O.C.
(6). Excellent "Wetting" of Steel

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

TECHNICAL DATA SHEET
TT-P-636D RED OXIDE
PRIMER 200R13
PAGE 2 OF 2

APPLICATION & REDUCTION:

TT-P-636D Red Oxide can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with Mineral Spirits.

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:

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-664D RED OXIDE
PRIMER 200R15
PAGE 1 OF 2

PRODUCT: A synthetic, rust-inhibiting, lacquer resisting primer coating.

DESCRIPTION: A high quality synthetic resin base red oxide primer for ferrous metals. Contains an extremely high solids content. This primer is rust-inhibiting due to a high content of zinc chromate pigment. It is quick-dry and will dry tack free within 20 minutes.

PROPERTIES:

COLOR.....	Red Oxide
PIGMENT(Weight).....	38 - 42%
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 TOUCH.....	3 - 6 Minutes
DRY THROUGH.....	25 Minutes
VEHICLE TYPE.....	Synthetic Resin
TOTAL SOLIDS.....	58 - 60% By Weight
VISCOSITY.....	67 - 77 KU

ADVANTAGES:

- (1). Low Volatile Organic Compound Content
- (2). Excellent Corrosion Resistance
- (3). Excellent Foundation
- (4). Extremely Abrasion Resistant
- (5). Low V.O.C.

USES:

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

TECHNICAL DATA SHEET
TT-P-664D RED OXIDE
PRIMER 200R15
PAGE 2 OF 2

APPLICATION & REDUCTION:

TT-P-664D Red Oxide is fast drying and is best applied by spray application. Brushing may be accomplished for small areas.

For spraying, thin up to 15% or as needed with Xylene or TT-T-306C Type I 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:

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
200R19 DAMP PROOF,
SLOW-DRY RED OXIDE PRIMER
PAGE 1 OF 2**

PRODUCT: A lead-free, slow-dry, rust inhibitive primer for ferrous metal. Griggs Damp Proof Red Oxide Primer can be used for interior or exterior protection.

DESCRIPTION: A lead and chromate free, rust-inhibitive primer designed for the protection of steel and iron. It is manufactured with a blend of alkyd resins and select fillers. It can be used on surfaces that will be subject to interior and exterior exposure. Slow-dry formulation wets the steel for added rust prevention.

PROPERTIES: COLOR..... Red Oxide
SOLIDS(Weight)..... 68 - 70%
DRY FILM THICKNESS..... 2.5 to 3.0 mils p/coat
SPREADING RATE: 780-785 sq.ft.gal.(Theoretical) at
1 mil.

DRYING TIME-AT 75 DEGREES F:

TACK FREE..... 4 Hours
TO RECOAT..... 6 - 8 Hours
DRY HARD..... 24-48 Hours
VEHICLE TYPE..... Modified Alkyd
WEIGHT/GAL..... 10.5 - 10.7 Lbs/Gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

ADVANTAGES: (1). Meets Steel Structures Painting Council
(S.S.P.C.) requirements.
(2). Good Corrosion Resistance.
(3). Slow Drying.
(4). Low Cost.

USES: (1). Steel
(2). Bridges
(3). Tanks
(4). Ferrous Metals

**TECHNICAL DATA SHEET
200R19 DAMP PROOF,
SLOW-DRY RED OXIDE PRIMER
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs Damp-Proof Red Oxide Primer can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with Mineral Spirits. For spraying, thin up to 15% or as needed with Synthetic Reducer or Xylol. May be thinned with Acetone for low "VOC" requirements.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer. Follow SSPC guidelines for specific 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. Follow SSPC guidelines for specific instructions.

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
RATMOORE #2AS 200R25 RED
PAGE 1 OF 2

PRODUCT: A lead-free , high-solids alkyd primer for ferrous metal. Ratmoore Primers are single- component, modified alkyd coatings formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. Ratmoore primers are lead free and have an extremely high solids content. These primers offer excellent "wetting" of the steel in addition to excellent abrasion and weather 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. Also available in Gray, White and Green.

PROPERTIES: COLOR..... Red
 SOLIDS(Volume)*..... 53%
 THEORETICAL COVERAGE*..... 830 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*..... 11.9 lbs/gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

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

TECHNICAL DATA SHEET
RATMOORE #2AS 200R25 RED
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Ratmoore Primers 200 Series(Revised) can be applied by brush, roll or spray.

For brushing and rolling, use as is or thin with Mineral Spirits.
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 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
SSPC-PAINT 25 200R26
RED OXIDE PRIMER
PAGE 1 OF 2

PRODUCT: A slow dry, red oxide primer for steel and ferrous metals.

DESCRIPTION: A high quality, slow dry, red iron oxide primer for ferrous metals. Contains an extremely high solids content. This primer contains zinc oxide and raw linseed oil for excellent "wetting" of the substrate. It is lead and chromate free and low "VOC".

PROPERTIES: COLOR..... Red Oxide
 PIGMENT(Weight)..... 48 - 52%
 THEORETICAL COVERAGE..... 510 sq.ft/gal
 DRY FILM THICKNESS..... 2.0 to 2.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
 TACK FREE..... Within 10 Hours
 DRY HARD..... Within 24 Hours
 VEHICLE TYPE..... Alkyd/Raw Linseed Oil
 WEIGHT PER GALLON..... 12.6 - 12.9 Lbs
 VISCOSITY..... 72 - 89 KU

ADVANTAGES: (1). Low Volatile Organic Compound Content
 (2). Excellent Corrosion Resistance
 (3). Excellent Foundation
 (4). Excellent "Wetting" Properties
 (5). Meets SSPC-Paint 25 Specification

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

**TECHNICAL DATA SHEET
SSPC-PAINT 25 200R26
RED OXIDE PRIMER
PAGE 2 OF 2**

APPLICATION & REDUCTION:

SSPC-PAINT 25 is slow drying and can be applied by brush, roll or spray application.

For spraying, thin as needed with Xylene or TT-T-306C Type I Synthetic Reducer. For brushing and rolling, thin as needed with TT-T-291 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:

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.

Contents are Flammable.

**TECHNICAL DATA SHEET
EPOXY POLYAMIDE PRIMER
RED OXIDE
PAGE 1 OF 2**

PRODUCT: A two-component epoxy polyamide primer.

DESCRIPTION: Griggs Epoxy Polyamide Primer 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 primer is required. This coating is available in a 1:1 mixture for spray, brush and roll applications. This epoxy primer 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 other substrates including PVC, plastics and concrete.

PROPERTIES:

SOLIDS(Weight).....	59 - 63%*
SOLIDS(Volume).....	49 - 52%*
VISCOSITY.....	70 - 90 KU
COLOR.....	Red Oxide
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 Primer
- (3). Meets MIL-P-23377F
- (4). Abrasion Resistant
- (5). Resistant to Corrosive Fumes
- (6). Water Resistant

**TECHNICAL DATA SHEET
EPOXY POLYAMIDE PRIMER
RED OXIDE
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 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 POLYAMIDE PRIMER
HI-BUILD 200R28
PAGE 1 OF 2

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

DESCRIPTION: Griggs Epoxy Polyamide Primer 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 primer is required. This primer is available in a 1:1 mixture for spray, brush and roll applications. HI-BUILD epoxy primer is rust 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.

PROPERTIES:

SOLIDS(Weight).....	66 - 68%		
SOLIDS(Volume).....	51 - 53%		
VISCOSITY.....	70 - 90 KU		
COLOR.....	Red Oxide		
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.....	340 g/l		
COVERAGE RATES:	DRY	WET	SQFT/GAL
SUGGESTED.....	4.0	6.0	260
MINIMUM.....	3.0	4.5	346
MAXIMUM.....	5.0	7.2	217

** 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). Industrial Primer
- (3). Meets ASTM Standard Tests
- (4). Hi-Solids / Low VOC
- (5). Resistant to Corrosive Fumes
- (6). Abrasion Resistant

TECHNICAL DATA SHEET
EPOXY POLYAMIDE PRIMER
HI-BUILD 200R28
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 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
CHLORINATED RUBBER METAL
PRIMER 200R29
PAGE 1 OF 2**

PRODUCT: A lead and chromate free, chlorinated rubber base primer for ferrous metal.

DESCRIPTION: A chlorinated rubber primer, formulated as a single package, primer that will adhere to and protect a variety of substrates. Griggs 200R29 Primer is lead and chromate free.

PROPERTIES:

COLOR.....	Red Oxide
SOLIDS(Weight).....	66 - 68%
RECOMMENDED DRY FILM/COAT.....	3.0 - 3.5 mils
THEORETICAL COVERAGE.....	300 - 350 sq.ft/gal
DRYING TIME-AT 75 DEGREES F:	
TO TOUCH.....	30 Minutes
TO RECOAT.....	1 Hour
TO TOPCOAT.....	10 - 12 Hours
VEHICLE TYPE.....	Chlorinated Rubber
WEIGHT/GAL.....	11.8 lbs/gal

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

**TECHNICAL DATA SHEET
CHLORINATED RUBBER METAL
PRIMER 200R29
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs Chlorinated Rubber Primer can be applied by brush, roll or spray. For brushing and rolling thin with Xylene or Xylol for smooth flow. For spraying, thin up to 10% or as needed for proper atomization with Xylene or Xylol.

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. Welds, joints, sharp edges and protrusions in the surface of the metal must be completely coated for best results. Two coats are recommended for these spots. Minimum surface preparation is Hand Tool or Power Tool cleaning in accordance with SSPC-SP 2 or SSPC-SP 3. For best performance, apply over an SSPC-SP 6 Commercial Blast with a 1-2 mil blast profile.

TOPCOATS:

Compatible with alkyds, acrylics, water-reducible alkyds, water-borne acrylics, silicone alkyd, waterborne epoxies, chlorinated rubber topcoats and polypane enamels.

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
UNIVERSAL PHENOLIC-ALKYD
LOW VOC METAL PRIMER
PAGE 1 OF 3**

PRODUCT: A lead and chromate free, high-solids phenolic-alkyd primer for ferrous metal.

DESCRIPTION: A phenolic alkyd primer, formulated as a single package, high solids, universal primer that will adhere to and protect a variety of substrates. Griggs Universal Primer is lead and chromate free and is low "VOC" to meet current regulations. This primer meets the performance and specification requirements of TT-P-664C and TT-P-636D.

PROPERTIES: COLORS..... Red Oxide, Off-White & Gray
SOLIDS(Volume)*..... 55 - 60%
RECOMMENDED DRY FILM/COAT..... 3.0 - 3.5 mils
THEORETICAL COVERAGE..... 855 mil sq-ft/gal
DRYING TIME-AT 75 DEGREES F:
TO TOUCH..... 30 Minutes
TO RECOAT..... 1 Hour
TO TOPCOAT..... 14 - 16 Hours
VEHICLE TYPE..... Phenolic Alkyd
VOLATILE ORGANIC COMPOUNDS(VOC)..... 403 G/L

WEIGHT/GAL*..... 13.6 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
UNIVERSAL PHENOLIC-ALKYD
LOW VOC METAL PRIMER
PAGE 2 OF 3**

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

APPLICATION & REDUCTION:

Griggs Universal Primer can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with Xylene or Xylol. For spraying, thin up to 10% or as needed for proper atomization with Xylene or Xylol.

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. Welds, joints, sharp edges and protrusions in the surface of the metal must be completely coated for best results. Two coats are recommended for these spots. Minimum surface preparation is Hand Tool or Power Tool cleaning in accordance with SSPC-SP 2 or SSPC-SP 3. For best performance, apply over an SSPC-SP 6 Commercial Blast with a 1-2 mil blast profile.

TOPCOATS:

Compatible with alkyds, acrylics, water-reducible alkyds, water-borne acrylics, hi-solids polyurethanes, epoxies, silicone alkyds, water-borne epoxies, and polypane enamels.

TECHNICAL DATA SHEET
UNIVERSAL PHENOLIC-ALKYD
LOW VOC METAL PRIMER
PAGE 3 OF 3

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
200R50 SPECIAL RED OXIDE
SHOP COAT PRIMER
PAGE 1 OF 2

PRODUCT: A lead-free, low-cost, rust inhibitive primer for ferrous metal. Griggs Special Shop Coat Red Oxide Primer can be used for interior or exterior protection.

DESCRIPTION: A lead and chromate free, rust-inhibitive primer designed for the protection of steel and iron. It is manufactured with a blend of alkyd resins and select fillers. It can be used on surfaces that will be subject to interior and exterior exposure. For industrial use only, designed for the professional user.

PROPERTIES: COLOR..... Red Oxide
 SOLIDS(Weight)..... 67 - 69%
 DRY FILM THICKNESS..... 2.5 to 3.0 mils p/coat
 SPREADING RATE: 850-870 sq.ft.gal.(Theoretical) at
 1 mil.

DRYING TIME-AT 75 DEGREES F:

TACK FREE..... 30 Minutes
 TO RECOAT..... 1 - 2 Hours
 DRY HARD..... 20-24 Hours
 VEHICLE TYPE..... Modified Alkyd
 WEIGHT/GAL..... 11.9 - 12.2 Lbs/Gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

ADVANTAGES: (1). Meets Steel Structures Painting Council
 (S.S.P.C.) requirements.
 (2). Good Corrosion Resistance.
 (3). Fast Drying.
 (4). Low Cost.

USES: (1). Steel
 (2). Bridges
 (3). Tanks

**TECHNICAL DATA SHEET
200R50 SPECIAL RED OXIDE
SHOP COAT PRIMER
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs Special Red Oxide Shop Coat Primer 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 or Xylol. May be thinned with Acetone for low "VOC" requirements.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer. Follow SSPC guidelines for specific instructions. Minimum surface preparation is Hand Tool cleaning per SSPC-SP 2. For maximum protection, abrasive blast to a Commercial Finish per SSPC-SP-6.

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. Follow SSPC guidelines for specific instructions.

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
RATMOORE PRIMERS
200R55
PAGE 1 OF 2

PRODUCT: A lead and chromate free, high-solids alkyd primer for ferrous metal. Ratmoore Red Primer 2A is a single component, modified alkyd primer formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. Ratmoore 2A Primer is lead free and has an extremely high solids content. This primer offers excellent adhesion and "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: COLOR..... Red
 SOLIDS(Weight)..... 79 - 81%
 SOLIDS(Volume)..... 57 - 59%
 THEORETICAL COVERAGE*..... 455 - 470 sq.ft/gal
 DRY FILM THICKNESS..... 2.0 to 2.5 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
 VOLATILE ORGANIC COMPOUNDS(VOC)..... 318 G/L
 AFTER THINNING..... 341 G/L
 WEIGHT/GAL..... 13.70lbs/gal
TEMPERATURE RESISTANCE..... Up to 300 degrees F

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 Adhesion
 (6). Extremely Abrasion Resistant

TECHNICAL DATA SHEET
RATMOORE PRIMERS
200R55
PAGE 2 OF 2

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

APPLICATION & REDUCTION:

Griggs Ratmoore #2A Red Primer can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with Mineral Spirits. 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
DC740 RATMOORE PRIMERS 200R58
PAGE 1 OF 2

PRODUCT: A water-base, high-solids primer for ferrous metal. DC740 Ratmoore Primers are single-component, modified alkyd coatings formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. DC740 primers are lead-free and have an extremely high solids content. These primers offer excellent "wetting" of the steel in addition to excellent abrasion and weather 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: COLORS..... Scorpio Red
 SOLIDS(Volume)..... 35%
 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..... 11.2 lbs/gal
SALT SPRAY..... 300+ Hours ASTM STD. B117
TEMPERATURE RESISTANCE..... Up to 250 degrees F

ADVANTAGES: (1). Low Volatile Organic Compound Content
 (2). Excellent Corrosion Resistance
 (3). Excellent Foundation
 (4). Extremely Abrasion Resistant
 (5). Water Reducible
 (6). Water Clean-Up
 (7). Low V.O.C.

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

TECHNICAL DATA SHEET
DC740 RATMOORE PRIMERS 200R58
PAGE 2 OF 2

APPLICATION & REDUCTION:

DC740 Ratmoore Primers 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.

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 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
DIAMOND RUST SHIELD
200R60 RED PRIMER
PAGE 1 OF 2**

PRODUCT: A lead-free , high-solids modified alkyd primer for ferrous metal. Griggs Diamond Rust-Shield Primer is manufactured according to pre-published requirements.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. Diamond-Shield is lead free and has an extremely high solids content. These primers offer excellent "wetting" of the steel in addition to excellent abrasion and weather 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..... Red, Green, Gray, White & Custom Colors
 SOLIDS(Volume)..... 54-58%
 DRY FILM THICKNESS..... 2.5 to 3.0 mils p/coat
 SPREADING RATE: 850-870 sq.ft.gal.(Theoretical) at 1 mil.
DRYING TIME-AT 75 DEGREES F:
 TACK FREE..... 3-5 Hours
 TO RECOAT..... 10-14 Hours
 DRY HARD..... 20-24 Hours
 VEHICLE TYPE..... Modified Alkyd
 WEIGHT/GAL..... 12.5 lbs/gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

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
 (7). Pencil Hardness B
 (8). Q UV 500 + Hours

**TECHNICAL DATA SHEET
DIAMOND RUST SHIELD
200R60 RED PRIMER
PAGE 2 OF 2**

- USES:** (1). Steel
(2). Bridges
(3). Tanks

APPLICATION & REDUCTION:

Griggs Diamond Rust Shield Primer can be applied by brush, roll or spray.

For brushing and rolling, use as is or thin with Mineral Spirits. 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 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
RATMOORE PRIMER 200R61
MARICOPA RED
PAGE 1 OF 3**

PRODUCT: A lead-free, high-solids modified alkyd primer for ferrous metal. Griggs Ratmoore Maricopa Red Primer is manufactured according to pre-published requirements.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. Maricopa Red is lead free and dries to a low gloss, satin finish. This primer offers excellent "wetting" of the steel in addition to excellent adhesion and a solid foundation for the 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..... Red Oxide
SOLIDS(Volume)..... 65-67%
DRY FILM THICKNESS..... 2.5 to 3.0 mils p/coat
SPREADING RATE.850-1000 sq.ft.gal. (Theoretical) at
1 mil.
DRYING TIME-AT 75 DEGREES F:
TACK FREE..... 3-5 Hours
TO RECOAT..... 10-14 Hours
DRY HARD..... 20-24 Hours
VEHICLE TYPE..... Modified Alkyd
WEIGHT/GAL..... 13.0 lbs/gal
V.O.C. CONTENT..... 2.20 lbs/gal

ADVANTAGES: (1). Meets Steel Structures Painting Council
(S.S.P.C.) requirements.
(2). Excellent Adhesion
(3). ASTM D 522-60 Conical Mandrel Passes: 1/8
in. mandrel
(4). Excellent Corrosion Resistance
(5). Excellent Foundation
(6). Pencil Hardness B

**TECHNICAL DATA SHEET
RATMOORE PRIMER 200R61
MARICOPA RED
PAGE 2 OF 3**

- USES:** (1). Steel
(2). Bridges
(3). Tanks

APPLICATION & REDUCTION:

Griggs Ratmoore Primer Maricopa Red can be applied by brush, roll or spray.

For brushing and rolling, use as is or thin with Mineral Spirits. Avoid rebrushing or rerolling of for best results. For spraying, thin up to 15% or as needed with Synthetic Reducer.

The use of thinners other than those supplied or recommended by Griggs Paint may adversely affect product performance.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer. Follow SSPC guidelines for specific instructions. Minimum surface preparation is Hand Tool cleaning per SSPC-SP 2. For maximum protection, abrasive blast to a Commercial Finish per SSPC-SP-6.

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. Apply topcoat finish within 30-45 days for best results. May be topcoated with alkyds, silicone alkyds, acrylic latex coatings, water-reducible alkyds and others. Consult your Griggs representative for specific topcoat recommendations.

TECHNICAL DATA SHEET
RATMOORE PRIMER 200R61
MARICOPA RED
PAGE 1 OF 3

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
RUST-GARD RED OXIDE PRIMER 200R65
PAGE 1 OF 2

PRODUCT: A water-base, high-solids primer for ferrous metal. Griggs RUST-GARD Primer is a single-component, modified alkyd coating formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant primer designed for ferrous and non-ferrous metal. Griggs RUST-GARD is a high solids product that offers superior adhesion and abrasion resistance. RUST-GARD is fast dry, easy to use and compatible with virtually all industrial topcoats. Formulated with the environment in mind, RUST-GARD is a low "VOC" product that uses water to clean-up.

PROPERTIES: COLOR..... Red Oxide
 SOLIDS(Weight)..... 58 - 60%
 MATERIAL "VOC"..... 200 G/L
 THEORETICAL COVERAGE..... 516 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..... 10.8 - 11.1 lbs/gal
SALT SPRAY..... 300+ Hours ASTM STD. B117
TEMPERATURE RESISTANCE..... Up to 250 degrees F

ADVANTAGES: (1). Low Volatile Organic Compound Content
 (2). Excellent Corrosion Resistance
 (3). Excellent Foundation
 (4). Extremely Abrasion Resistant
 (5). Water Reducible
 (6). Water Clean-Up
 (7). Low V.O.C.

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

TECHNICAL DATA SHEET
RUST-GARD RED OXIDE PRIMER 200R65
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs RUST-GARD Primer 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.

Reduce with Cold Weather Reducer for cold/humid conditions.

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:

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 PRIMER BUNGER RED 200R70
PAGE 1 OF 2

PRODUCT: A water-base, high-solids primer for ferrous metal. DC740 Bunger Red Primer is a single-component, modified alkyd coating formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. DC740 primers are lead-free and have an extremely high solids content. These primers offer excellent "wetting" of the steel in addition to excellent abrasion and weather 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..... Bunger Red
 SOLIDS(Volume)..... 37%
 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..... 11.2 lbs/gal
SALT SPRAY..... 300+ Hours ASTM STD. B117
TEMPERATURE RESISTANCE..... Up to 250 degrees F

ADVANTAGES: (1). Low Volatile Organic Compound Content
 (2). Excellent Corrosion Resistance
 (3). Excellent Foundation
 (4). Extremely Abrasion Resistant
 (5). Water Reducible
 (6). Water Clean-Up
 (7). Low V.O.C.

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

TECHNICAL DATA SHEET
DC740 PRIMER BUNGER RED 200R70
PAGE 2 OF 2

APPLICATION & REDUCTION:

DC740 Bunger Red Primer 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.

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 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
METAL WELD RATMOORE PRIMER
200R71 RED OXIDE
PAGE 1 OF 2**

PRODUCT: A lead-free, single-component high-solids modified phenolic alkyd primer for ferrous metal.

DESCRIPTION: An extremely corrosion-resistant primer for ferrous metal. Griggs Metal Weld Ratmoore Red Primer is high solids and low "VOC". This primer offers excellent "wetting" of the steel in addition to excellent abrasion and weather resistance. May be applied over firm old alkyd or oilbase coatings as a barrier coat. This coating is extremely versatile due to its rich low "VOC" formulation.

PROPERTIES: COLOR..... Red Oxide
SOLIDS(Weight)..... 80 - 82%
DRY FILM THICKNESS..... 2.0 mils p/coat
THEORETICAL COVERAGE..... 455 sq.ft./GAL
DRYING TIME-AT 75 DEGREES F:
TACK FREE..... 2-4 Hours
TO RECOAT..... 12-16 Hours
VOLATILE ORGANIC COMPOUNDS(VOC)..... 315 G/L
WEIGHT/GAL..... 13.8 - 14.1 lbs/gal
TEMPERATURE RESISTANCE..... Up to 300 degrees F

ADVANTAGES: (1). Meets Steel Structures Painting Council (S.S.P.C.) requirements.
(2). Excellent Corrosion Resistance
(3). High Solids, Low "VOC"
(4). Excellent Foundation
(5). Extremely Abrasion Resistant

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

TECHNICAL DATA SHEET
METAL WELD RATMOORE PRIMER
200R71 RED OXIDE
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Metal Weld Ratmoore Red Primer 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 Acetone.

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
DC740 SSPC RATMOORE PRIMER
200R82
PAGE 1 OF 2

PRODUCT: A lead-free , high-solids water-reducible alkyd primer for ferrous metal. Ratmoore primers are single-component modified alkyd coatings formulated for maximum rust prevention. DC740 SSPC Ratmoore is a water thinnable and low V.O.C. primer.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. Ratmoore primers are lead free and have an extremely high solids content. These primers 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(Weight)*..... 52 - 54%
 THEORETICAL COVERAGE*..... 845 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
 VOLATILE ORGANIC COMPOUNDS(VOC)..... 195 G/L
 *Dry times are affected by temperature.
 WEIGHT/GAL*..... 10.8 - 11.9 lbs/gal
TEMPERATURE RESISTANCE..... Up to 300 degrees F
 *Values may vary with color.

ADVANTAGES: (1). Meets SSPC Specification No.15
 (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
DC740 SSPC RATMOORE PRIMER
200R82
PAGE 2 OF 2

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

APPLICATION & REDUCTION:

Griggs Ratmoore Primers SSPC Series can be applied by brush, roll or spray.

For brushing and rolling, use as is or thin with Water as needed. For spraying, thin up to 15% or as needed with 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 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
HYDRO-ACRYLIC ADOT
#1 RED OXIDE PRIMER 200R83
PAGE 1 OF 2

PRODUCT: A lead-free, waterborne modified acrylic red oxide primer for ferrous metal. Griggs ADOT Hydro-Acrylic Coatings are single component and manufactured according to pre-published ADOT requirements.

DESCRIPTION: A modified acrylic waterbase red oxide primer for ferrous metal. ADOT Hydro-Acrylic Primers have been test to the requirements of The Arizona Department of Transportation specifications. All are lead and chromate free and thin with water for maximum environmental safety. This coating can also be formulated in a gloss topcoat for use as a system with the primer. The topcoat can be tinted to all colors, including the Federal 595B system.

ADVANTAGES:

- (1). Meets Latest ADOT Specifications.
- (2). Excellent Foundation.
- (3). Extremely Weather Resistant.

USES:

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

TECHNICAL DATA SHEET
HYDRO-ACRYLIC ADOT
#1 RED OXIDE PRIMER 200R83
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs ADOT Hydro-Acrylic Coatings 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.

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 OUT OF THE REACH OF CHILDREN.

Do not take internally.

Keep from freezing.

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
M.W. RED OXIDE ALKYD
PRIMER 200R91
PAGE 1 OF 2

PRODUCT: A lead-free, high-solids, modified alkyd primer for ferrous metal. Dries to a smooth, uniform film.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. M.W. Red Oxide Primer is lead free, Low VOC and has an extremely high solids content. This primer offers excellent "wetting" of the steel in addition to superior abrasion and weather 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..... M.W. Red Oxide
 SOLIDS(Weight)..... 75 - 77%
 DRY FILM THICKNESS..... 2.0 to 2.5 mils p/coat
 VOC CONTENT..... 336 G/L
DRYING TIME-AT 75 DEGREES F:
 TACK FREE..... 1 Hour
 DRY HARD..... 4 Hours
 VEHICLE TYPE..... Modified Alkyd
 WEIGHT/GAL..... 12.2 - 12.4 Lbs/Gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

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). Bridges
 (5). Equipment
 (6). Towers

**TECHNICAL DATA SHEET
M.W. RED OXIDE ALKYD
PRIMER 200R91
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs M.W. Red Oxide Alkyd Primer can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with Mineral Spirits. For spraying, thin up to 15% by volume or as needed with Acetone, Xylene or 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:

Always test topcoat for adhesion. Our M.W. Gray Primer is formulated to and for Griggs Paint topcoat, adhesion to other coating systems is the customer's responsibility.

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
DC202 RUST CONVERSION
PRIMER 200R115
PAGE 1 OF 2**

PRODUCT: A water-base, vinyl-acrylic emulsion primer that reacts with rust to form a film that is resistant to corrosion and has excellent durability.

DESCRIPTION: A waterbase, rust conversion primer that is formulated for use as a maintenance primer, automotive under-body/under-hood coating, overprint coating and for other applications that require excellent barrier and corrosion resistance properties. This primer exhibits good adhesion to a variety of substrates, excellent durability, toughness and corrosion resistance properties.

PROPERTIES:

COLOR.....	Red Oxide
SOLIDS(Volume).....	47%
SOLIDS(Weight).....	63%
VOLATILE ORGANIC COMPOUNDS.....	39 G/L
DRYING TIME-AT 75 DEGREES F:	
TO HANDLE.....	1 Hour
TO RECOAT.....	6 Hours
VEHICLE TYPE.....	Vinyl Acrylic
WEIGHT/GAL.....	12.6 lbs/gal
PIGMENT VOLUME CONCENTRATION.....	21%

ADVANTAGES:

- (1). Minimum Surface Preparation Required
- (2). Excellent Corrosion Resistance
- (3). Excellent Foundation
- (4). Extremely Abrasion Resistant
- (5). Water Reducible
- (6). Low Volatile Organic Compound Content

USES:

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

TECHNICAL DATA SHEET
DC202 RUST CONVERSION
PRIMER 200R115
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs DC202 Rust Conversion Primer can applied by brush, roll or spray. For brushing and rolling, use as is or thin with Water.

For spraying, thin up to 10% or as needed with Water.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer. May be applied directly over rust that is firm and not flaking. Heavy rust with scaling must be wire brushed on scraped before application

STEEL:

Surface must be clean and free of all oil, grease and foreign material.

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
TRIAD SPECIAL RED OXIDE PRIMER
200R118
PAGE 1 OF 2

PRODUCT: A lead-free, high-solids modified alkyd primer for ferrous metal. Griggs Triad Special Red Oxide Primer is manufactured according to pre-published requirements.

DESCRIPTION: A highly rust-resistant primer for ferrous metal, is lead free and dries to a abrasion resistant film. This primer offers excellent "wetting" of the steel in addition to superior adhesion and a solid foundation for the 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..... Red Oxide
 SOLIDS(Weight)..... 76 - 79%
 DRY FILM THICKNESS..... 2.5 to 3.0 mils p/coat
 SPREADING RATE..... 850-1000 sq.ft.gal.
 (Theoretical) at 1 mil.
DRYING TIME-AT 75 DEGREES F:
 TACK FREE..... 3-5 Hours
 TO RECOAT..... 10-14 Hours
 DRY HARD..... 20-24 Hours
 VEHICLE TYPE..... Modified Alkyd
 WEIGHT/GAL..... 13.0 lbs/gal
 V.O.C. CONTENT..... 2.67 lbs/gal

ADVANTAGES: (1). Meets Steel Structures Painting Council
 (S.S.P.C.) requirements.
 (2). Excellent Adhesion
 (3). ASTM D 522-60 Conical Mandrel
 Passes: 1/8 in. mandrel
 (4). Excellent Corrosion Resistance
 (5). Excellent Foundation
 (6). Pencil Hardness B

TECHNICAL DATA SHEET
TRIAD SPECIAL RED OXIDE PRIMER
200R118
PAGE 2 OF 2

- USES:** (1). Steel
(2). Bridges
(3). Tanks

APPLICATION & REDUCTION:

Griggs Triad Special Red Oxide Primer can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with Mineral Spirits. Avoid re-brushing or re-rolling of for best results. For spraying, thin up to one pint per gallon, or as needed for proper atomization, with Synthetic Reducer. The use of thinners other than those supplied or recommended by Griggs Paint may adversely affect product performance.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer. Follow SSPC guidelines for specific instructions. Minimum surface preparation is Hand Tool cleaning per SSPC-SP 2. For maximum protection, abrasive blast to a Commercial Finish per SSPC-SP-6.

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. Apply topcoat finish within 30-45 days for best results. May be topcoated with alkyds, silicone alkyds, acrylic latex coatings, water-reducible alkyds and others. Consult your Griggs representative for specific topcoat recommendations.

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 OILBASE PRIMER WHITE
PAGE 1 OF 2**

PRODUCT: A lead-free, high-solids, quick-dry alkyd primer for ferrous metal. Griggs Industrial White Primer has high opacity and excellent rust resistance.

DESCRIPTION: A high hide rust-resistant primer for ferrous metal. Griggs Industrial White Primer is lead-free and quick dry. Its flat finish provides an excellent base for topcoats. May be applied over firm, old alkyd or oilbase coatings as a barrier coat.

PROPERTIES: COLOR..... White
SOLIDS(Weight)..... 66 - 69%
DRY FILM THICKNESS..... 1.5 to 2.0 mils p/coat
THEORETICAL COVERAGE..... 725 mil sq.ft/gal
DRYING TIME-AT 75 DEGREES F:
TACK FREE..... 10 - 15 Minutes
TO RECOAT..... 30 Minutes
VEHICLE TYPE..... Modified Alkyd
WEIGHT/GAL..... 11.7-12.0 lbs/gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

ADVANTAGES: (1). Quick-Dry
(2). High Opacity
(3). Excellent Foundation
(4). Abrasion Resistant

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

TECHNICAL DATA SHEET
INDUSTRIAL OILBASE PRIMER WHITE
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Industrial Oilbase White Primer can be applied by brush, roll or spray.

For brushing and rolling, use as is or thin with Mineral Spirits. 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
PRIMER SEALER WHITE
PAGE 1 OF 2**

PRODUCT: A vinyl acrylic primer sealer formulated to give excellent sealing and hold-out properties to most surfaces.

DESCRIPTION: A specially formulated vinyl acrylic primer/sealer designed to give excellent sealing properties. This product may be applied to stucco, concrete, plaster, drywall, brick, composition board, etc. It may be used to seal off asphaltic and other oil soluble stains but not water soluble stains. This product provides an excellent base for enamels or flat wall paints.

PROPERTIES: COLOR..... White
 SOLIDS(Weight)..... 35 - 40%
 THEORETICAL COVERAGE..... 250 - 400 sq.ft/gal
 DRY FILM THICKNESS..... 1.5 mils @ 350 sq.ft./gal
DRYING TIME-AT 75 DEGREES F:
 TO TOUCH..... 30 Minutes
 TO RECOAT..... 1 Hour
 VEHICLE TYPE..... Vinyl Acrylic
 WEIGHT/GAL..... 8.5 - 9.0 lbs

ADVANTAGES: (1). Seals Porous Surface.
 (2). Excellent Enamel Hold-Out.
 (3). Water-Base.

USES: (1). Masonry
 (2). Plaster.
 (3). Block.
 (4). Concrete
 (5). Brick

**TECHNICAL DATA SHEET
PRIMER SEALER WHITE
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs Vinyl Acrylic Primer-Sealer 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.

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
ADOT #2 PRIMER
200W08 OFF WHITE
PAGE 1 OF 2

PRODUCT: A lead-free , high-solids phenolic alkyd primer for ferrous metal. Griggs ADOT #2 Off White Primer is manufactured according to pre- published ADOT requirements.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. ADOT #2 primer is lead free and has an extremely high solids content. These primers offer excellent "wetting" of the steel in addition to excellent abrasion and weather 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..... Off White
 SOLIDS(Weight)..... 75-77%
 DRY FILM THICKNESS..... 1.5 to 2.0 mils p/coat
 THEORETICAL COVERAGE @ 20% LOSS.....320 sq.ft./GAL
DRYING TIME-AT 75 DEGREES F:
 TACK FREE..... 8-10 Hours
 DRY HARD..... 20-24 Hours
 VEHICLE TYPE..... Alkyd-Phenolic
 WEIGHT/GAL..... 11.7-12.0 lbs/gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

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). Bridges
 (5). Equipment
 (6). Towers

**TECHNICAL DATA SHEET
ADOT #2 PRIMER
200W08 OFF WHITE
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs ADOT #2 Off White Primer can be applied by brush, roll or spray.

For brushing and rolling, use as is or thin with Mineral Spirits.

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 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
RATMOORE PRIMERS 200W09
PAGE 1 OF 2

PRODUCT: A lead-free, high-solids alkyd primer for ferrous metal. Ratmoore Primers are single-component, modified alkyd coatings formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. Ratmoore primers are lead free and have an extremely high solids content. These primers 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: COLOR..... White
 SOLIDS(Volume)*..... 57-65%
 THEORETICAL COVERAGE..... 885-1050 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
 VOLATILE ORGANIC COMPOUNDS(VOC)..... 308 G/L
 WEIGHT/GAL..... 12.5 lbs/gal
TEMPERATURE RESISTANCE..... Up to 300 degrees F

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

**TECHNICAL DATA SHEET
RATMOORE PRIMERS 200W09
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs Ratmoore Red can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with Mineral Spirits. 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 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
INT/EXT ALKYD UNDERCOAT
PAGE 1 OF 2

PRODUCT: A quick-dry oilbase alkyd undercoater for interior and exterior surfaces.

DESCRIPTION: An alkyd-base quick-dry undercoat primer for int/ext surfaces. This product features excellent penetration which results in good adhesion and sealing properties. The dried film may be sanded before applying a topcoat finish. Griggs Alkyd Undercoater can be topcoated with alkyd or latex base paints.

PROPERTIES: COLOR..... White
 SOLIDS(Weight)..... 71 - 74%
 SOLIDS(Volume)..... 48 - 51%
 THEORETICAL COVERAGE..... 750 sq.ft./gal*
DRYING TIME-AT 75 DEGREES F:
 TO TOUCH..... 30 - 45 Mins
 TO RECOAT..... 1 - 2 Hours
 VEHICLE TYPE..... Mod. Alkyd
 *Coverage @ 1 Mil Dry Film.

ADVANTAGES: (1). Seals Porous Surface.
 (2). Excellent Enamel Hold-Out.
 (3). Easily Sanded.
 (4). Quick-Drying.
 (5). Topcoated with Alkyd or Latex.

USES: (1). Doors.
 (2). Trim.
 (3). Furniture.
 (4). Cabinets.

**TECHNICAL DATA SHEET
INT/EXT ALKYD UNDERCOAT
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs Int/Ext Alkyd Undercoat Primer may be thinned with Synthetic Reducer if necessary. Use at packaged consistency for most applications. May be applied by brush, roll or spray.

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:

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
MULTI-PURPOSE PRIMER 200W18
PAGE 1 OF 2

PRODUCT: A lead-free, high-solids, multi-purpose alkyd primer for metal. Multi-Purpose Primers are modified alkyd coatings formulated especially for maximum rust prevention and adhesion.

DESCRIPTION: A highly rust-resistant primer for ferrous and non-ferrous metal. They are lead free and have an extremely high solids content. These primers offer excellent "wetting" of the steel in addition to excellent abrasion and weather resistance. Re-formulated for lower VOC content.

PROPERTIES: COLORS..... Red, White and Gray
 SOLIDS(Weight)..... 69 - 75%
 SOLIDS(Volume)..... 50 - 55%
 THEORETICAL COVERAGE..... 550 sq.ft/gal*
DRYING TIME-AT 75 DEGREES F:
 TO HANDLE..... 4 To 6 Hours
 TO RECOAT..... 2 To 3 Hours
 VEHICLE TYPE..... Modified Alkyd
 * Coverage @ 1 Mil Dry Film.

ADVANTAGES: (1). Multi-Purpose Metal Primer.
 (2). Interior/Exterior Use.
 (3). Excellent Adhesion.
 (4). Interior 1-Coat Finish.
 (5). Excellent Foundation Coat.

USES: (1). Steel
 (2). Machinery
 (3). Aluminum
 (4). Galvanized Metal
 (5). Masonry/Stucco
 (6). Towers

TECHNICAL DATA SHEET
MULTI-PURPOSE PRIMER 200W18
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Portland Cement Primers 200 Series can be applied by brush, roll or spray.

For brushing and rolling, use as is or thin with Mineral Spirits. 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 & ALUMINUM

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. Aluminum surfaces must be clean and free of all processing oils and grease. Acid etch may be used to clean surface for increased adhesion.

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.

TECHNICAL DATA SHEET
PORTLAND CEMENT PRIMER 200W18
PAGE 1 OF 2

PRODUCT: A lead-free, high-solids, multi-purpose alkyd primer for metal. Portland Cement Primers are modified alkyd coatings formulated especially for maximum rust prevention and adhesion.

DESCRIPTION: A highly rust-resistant primer for ferrous and non-ferrous metal. They are lead free and have an extremely high solids content. These primers offer excellent "wetting" of the steel in addition to excellent abrasion and weather resistance. Re-formulated for lower VOC content.

PROPERTIES: COLORS..... Red, White and Gray
 SOLIDS(Weight)..... 69 - 75%
 SOLIDS(Volume)..... 50 - 55%
 THEORETICAL COVERAGE..... 550 sq.ft/gal*
DRYING TIME-AT 75 DEGREES F:
 TO HANDLE..... 4 To 6 Hours
 TO RECOAT..... 2 To 3 Hours
 VEHICLE TYPE..... Modified Alkyd
 * Coverage @ 1 Mil Dry Film.

ADVANTAGES: (1). Multi-Purpose Metal Primer.
 (2). Interior/Exterior Use.
 (3). Excellent Adhesion.
 (4). Interior 1-Coat Finish.
 (5). Excellent Foundation Coat.

USES: (1). Steel
 (2). Machinery
 (3). Aluminum
 (4). Galvanized Metal
 (5). Masonry/Stucco
 (6). Towers

TECHNICAL DATA SHEET
PORTLAND CEMENT PRIMER 200W18
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Portland Cement Primers 200 Series can be applied by brush, roll or spray.
For brushing and rolling, use as is or thin with Mineral Spirits.
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 & ALUMINUM

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. Aluminum surfaces must be clean and free of all processing oils and grease. Acid etch may be used to clean surface for increased adhesion.

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.

TECHNICAL DATA SHEET
A-A-2336 WOOD PRIMER
PAGE 1 OF 2

PRODUCT: An oilbase/alkyd wood primer for interior and exterior surfaces. Meets GSA Specification A-A-2336.

DESCRIPTION: An oilbase/alkyd wood primer for int/ext surfaces. This product features excellent penetration which results in good adhesion and sealing properties. The dried film may be sanded before applying a topcoat finish. Griggs Oilbase/Alkyd Wood Primer can be topcoated with alkyd or latex base paints.

PROPERTIES: COLOR..... White
 SOLIDS(Weight)..... 80 - 84%
 SOLIDS(Volume)..... 65 - 68%
 THEORETICAL COVERAGE..... 350 - 375 sq.ft./gal
DRYING TIME-AT 75 DEGREES F:
 TO TOUCH..... 30 - 45 Mins
 TO RECOAT..... 1 - 2 Hours
 VEHICLE TYPE..... Oil Mod. Alkyd

ADVANTAGES: (1). Seals Porous Surface.
 (2). Excellent Enamel Hold-Out.
 (3). Easily Sanded.
 (4). Quick-Drying.
 (5). Topcoated with Alkyd or Latex.

USES: (1). Doors.
 (2). Trim.
 (3). Furniture.
 (4). Cabinets.

**TECHNICAL DATA SHEET
A-A-2336 WOOD PRIMER
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs Int/Ext Alkyd Wood Primer may be thinned with Mineral Spirits if necessary. Use at packaged consistency for most applications. May be applied by brush, roll or spray.

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:

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.

Contents are FLAMMABLE.

TECHNICAL DATA SHEET
SHARON RATMOORE WHITE
PRIMER 200W32
PAGE 1 OF 2

PRODUCT: A lead-free , high-solids phenolic-alkyd primer for ferrous metal. Ratmoore Primers are single-component, modified alkyd coatings formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. Ratmoore primers are lead and chromate free with high solids content. These primers offer excellent "wetting" of the steel in addition to excellent abrasion and weather resistance.

PROPERTIES: COLOR..... White
 SOLIDS(Weight)..... 72%
 SOLIDS(Volume)..... 53%
 THEORETICAL COVERAGE..... 847 sq.ft.@ 1
 FILM THICKNESS..... 2.0 to 3.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
 TO TOUCH..... 30 Minutes
 TO RECOAT..... 2 To 4 Hours
 TO COAT WITH EPOXY..... 15-30 Days
 VEHICLE TYPE..... Phenolic Alkyd
 VOLATILE ORGANIC COMPOUNDS(VOC)..... 342 G/L
 VOC (After Thinning)..... 402 g/l
 WEIGHT/GAL..... 11.9 lbs/gal
TEMPERATURE RESISTANCE..... Up to 300 degrees F

- (1). Exterior Exposure QUV 500+ Hours: No blistering,cracking,spot rusting.
- (2). ASTM B117 Salt Fog Test: 500+ Hours.
- (3). ASTM D 522-60 Conical Mandrel Passes: 1/8 in. mandrel
- (4). ASTM D3363 Pencil Hardness HB
- (5). ASTM D4541 Adhesion: 800 PSI pull
- (6). ASTM D4060 Abrasion: Less than 40 mg after 500 cycles.

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

**TECHNICAL DATA SHEET
SHARON RATMOORE WHITE
PRIMER 200W32
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Suggested spreading rate 3.4 to 6 Wet Mils, 2 to 3.5 Dry Mil. Griggs Ratmoore Primers 200LCF Series can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with Mineral Spirits. For spraying, thin up to 15% or as needed with Synthetic Reducer. Always stir paint thoroughly until all settled pigments are thoroughly mixed with the vehicle. Surface temperature of substrate should be 50-110 degrees F. The surface should be dry & at least 5 F. above the dew point.

SURFACE PREPARATION:

SSPC-SP6 Commercial Blast or SSPC-SP10 Near White Blast.

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 (SSPC-SP6) and primed the same day.

PRECAUTIONS:

Contents are COMBUSTIBLE.

Store at 20 F. to 110 F. out of direct sunlight. Keep away from heat and open flame.

Shelf life 1 year from date of Mfg.

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
RATMOORE #4 PRIMER 200W37 WHITE
PAGE 1 OF 2

PRODUCT: A lead-free , high-solids phenolic alkyd primer for ferrous metal. Griggs Ratmoore #4 White Primer is manufactured for a high degree of rust inhibitive properties.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. Ratmoore #4 primer is lead free and has an extremely high solids content. This primer offer excellent "wetting" of the steel in addition to excellent abrasion and weather 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..... White
 SOLIDS(Weight)..... 80-82%
 DRY FILM THICKNESS..... 2.0 to 3.5 mils p/coat
 THEORETICAL COVERAGE..... 400-600 sq.ft/gal
DRYING TIME-AT 75 DEGREES F:
 TACK FREE..... 30-45 Minutes
 DRY HARD..... 2 To 5 Hours
 VEHICLE TYPE..... Phenolic-Alkyd
 WEIGHT/GAL..... 13.5-14.0 lbs/gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

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). Bridges
 (5). Equipment
 (6). Towers

TECHNICAL DATA SHEET
RATMOORE #4 PRIMER 200W37 WHITE
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Ratmoore #2 White Primer can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with Mineral Spirits. 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 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
EPOXY POLYAMIDE PRIMER
HI-BUILD 200W38
PAGE 1 OF 2

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

DESCRIPTION: Griggs Epoxy Polyamide Primer 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 primer is required. This primer is available in a 1:1 mixture for spray, brush and roll applications. HI-BUILD epoxy primer is rust 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.

PROPERTIES:

SOLIDS(Weight).....	66 - 68%		
SOLIDS(Volume).....	51 - 53%		
VISCOSITY.....	70 - 90 KU		
COLOR.....	WHITE		
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.....	340 g/l		
COVERAGE RATES:	DRY	WET	SQFT/GAL
SUGGESTED.....	4.0	6.0	260
MINIMUM.....	3.0	4.5	346
MAXIMUM.....	5.0	7.2	217

** 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). Industrial Primer
- (3). Meets ASTM Standard Tests
- (4). Abrasion Resistant
- (5). Resistant to Corrosive Fumes

TECHNICAL DATA SHEET
EPOXY POLYAMIDE PRIMER
HI-BUILD 200W38
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 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
GALVANIZED METAL PRIMER 200W45
PAGE 1 OF 2

PRODUCT: A lead-free, high-solids, portland cement linseed oil base primer for galvanized metal.

DESCRIPTION: A high-solids, portland cement primer for galvanized and non-ferrous metal. This primer is lead free and has an extremely high solids content. Formulated in a linseed oil base for maximum abrasion and weather resistance.

PROPERTIES: COLORS..... Red, White and Gray
 SOLIDS(Weight)..... 83 - 85%
 SOLIDS(Volume)..... 69 - 71%
 THEORETICAL COVERAGE..... 400 sq.ft/gal*
DRYING TIME-AT 75 DEGREES F:
 TO HANDLE..... 8 To 10 Hours
 TO DRY..... 14 To 16 Hours
 VEHICLE TYPE..... Linseed Oil/Alkyd Blend

ADVANTAGES: (1). Multi-Purpose Metal Primer
 (2). Interior/Exterior Use.
 (3). Excellent Adhesion.
 (4). Interior 1-Coat Finish.
 (5). Excellent Foundation Coat.

USES: (1). Non-Ferrous Metal
 (2). Machinery
 (3). Aluminum
 (4). Galvanized Metal

TECHNICAL DATA SHEET
GALVANIZED METAL PRIMER 200W45
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Galvanized Metal Primer can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with Mineral Spirits. 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.

STEEL & ALUMINUM

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. Aluminum surfaces must be clean and free of all processing oils and grease. Acid etch may be used to clean surface for increased adhesion.

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
LATEX BLOCKOUT WHITE
PAGE 1 OF 2**

PRODUCT: A waterbase vinyl acrylic, high opacity white primer formulated as a block-out coating.

DESCRIPTION: A specially formulated latex white primer designed for high hide applications. It adheres tightly to the surface and forms an excellent base for topcoats. May be used on stucco, masonry, drywall, and properly primed wood and metal. Contains a high degree of white pigment for superior hide and coverage.

PROPERTIES: COLOR..... White
 SOLIDS(Weight)..... 54 - 56%
 SOLIDS(Volume)..... 34 - 36%
 THEORETICAL COVERAGE..... 450 sq.ft./gal*
DRYING TIME-AT 75 DEGREES F:
 TO TOUCH..... 60 Minutes
 TO RECOAT..... 2 - 6 Hours
 TO TOPCOAT..... 6 - 8 Hours
 VEHICLE TYPE..... Acrylic Latex
 *Coverage @ 1 Mil Dry Film.

ADVANTAGES: (1). Seals Porous Surface
 (2). Excellent Enamel Hold-Out
 (3). Water-Base
 (4). Excellent Adhesion
 (5). High Opacity

USES: (1). Stucco
 (2). Masonry
 (3). Wallboard
 (4). Metal
 (5). Wood

**TECHNICAL DATA SHEET
LATEX BLOCKOUT WHITE
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs Latex Blockout Primer may be thinned with water if necessary. Use at packaged consistency for most applications. May be applied by brush, roll or spray.

SURFACE PREPARATION:

Surface must be clean and free of grease, oil, chalk, dust, and other contaminants. Putty or caulk all holes, dents, scratches and splits after application of primer.

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
ALKYD METAL UNDERCOAT
PAGE 1 OF 2**

PRODUCT: An oilbase alkyd undercoater for metal surfaces. May be used under topcoats such as alkyds, oils or latex paints.

DESCRIPTION: An alkyd-base metal undercoat primer for metal surfaces. This product features excellent hold out which results in good adhesion and sealing properties. The dried film may be sanded before applying a topcoat finish. Griggs Alkyd Metal Primer can be topcoated with alkyd or latex base paints.

PROPERTIES: COLOR..... White
 SOLIDS(Weight)..... 72 - 76%
 SOLIDS(Volume)..... 49 - 51%
 THEORETICAL COVERAGE..... 750 sq.ft./gal*
DRYING TIME-AT 75 DEGREES F:
 TO TOUCH..... 2 - 3 Hours
 TO RECOAT..... 14 - 16 Hours
 VEHICLE TYPE.....Alkyd
 *Coverage @ 1 Mil Dry Film.

ADVANTAGES: (1). Provides Excellent Foundation.
 (2). Excellent Enamel Hold-Out.
 (3). Easily Sanded.
 (4). Quick-Drying.
 (5). Topcoated with Alkyd or Latex.

USES: (1). Metal Doors.
 (2). Metal Trim.
 (3). Metal Cabinets
 (4). Metal Sash

TECHNICAL DATA SHEET
ALKYD METAL UNDERCOAT
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Alkyd Undercoat may be thinned with Mineral Spirits if necessary. Use at packaged consistency for most applications. May be applied by brush, roll or spray.

SURFACE PREPARATION:

Surface must be clean, dry and free of grease, oil, chalk, dust, and other contaminants.

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.

Contents are FLAMMABLE.

TECHNICAL DATA SHEET
INTERIOR ALKYD UNDERCOAT
PAGE 1 OF 2

PRODUCT: An oilbase alkyd undercoater for interior plaster, wood and previously painted surfaces. May be used under topcoats such as alkyds, oils or latex paints.

DESCRIPTION: An alkyd-base wood undercoat primer for interior surfaces. This product features excellent penetration which results in good adhesion and sealing properties. The dried film may be sanded before applying a topcoat finish. Griggs Interior Alkyd Undercoater can be topcoated with alkyd or latex base paints.

PROPERTIES: COLOR..... White
 SOLIDS(Weight)..... 72 - 76%
 SOLIDS(Volume)..... 49 - 51%
 THEORETICAL COVERAGE..... 750 sq.ft./gal*
DRYING TIME-AT 75 DEGREES F:
 TO TOUCH..... 2 - 3 Hours
 TO RECOAT..... 14 - 16 Hours
 VEHICLE TYPE..... Alkyd
 *Coverage @ 1 Mil Dry Film.

ADVANTAGES: (1). Seals Porous Surface.
 (2). Excellent Enamel Hold-Out.
 (3). Easily Sanded.
 (4). Quick-Drying.
 (5). Topcoated with Alkyd or Latex.

USES: (1). Wood Doors.
 (2). Plaster.
 (3). Previously Painted Trim/Walls
 (4). Wood Cabinets.

**TECHNICAL DATA SHEET
INTERIOR ALKYD UNDERCOAT
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs Interior Alkyd Undercoater may be thinned with Mineral Spirits if necessary. Use at packaged consistency for most applications. May be applied by brush, roll or spray.

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:

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.

Contents are FLAMMABLE!

TECHNICAL DATA SHEET
EPOXY POLYAMIDE PRIMER
HI-BUILD 200W63
PAGE 1 OF 2

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

DESCRIPTION: Griggs Epoxy Polyamide Primer 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 primer is required. This primer is available in a 1:1 mixture for spray, brush and roll applications. HI-BUILD epoxy primer is rust 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.

PROPERTIES:

SOLIDS(Weight).....	57 - 59%
SOLIDS(Volume).....	48 - 50%
VISCOSITY.....	70 - 90 KU
COLOR.....	White
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.....	387 g/l
COVERAGE.....	375 - 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.

ADVANTAGES:

- (1). Chemical Resistant
- (2). Industrial Primer
- (3). Meets ASTM Standard Tests
- (4). Abrasion Resistant
- (5). Resistant to Corrosive Fumes

TECHNICAL DATA SHEET
EPOXY POLYAMIDE PRIMER
HI-BUILD 200W63
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 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.

CONTENTS ARE FLAMMABLE!

TECHNICAL DATA SHEET
ZINC PHOSPHATE ALKYD PRIMER
PAGE 1 OF 2

PRODUCT: A lead-free, high-solids zinc-phosphate alkyd primer for ferrous metals.

DESCRIPTION: A highly weather-resistant primer for ferrous metal. Griggs Zinc Phosphate primer is lead free and has an extremely high solids content. These primers offer excellent "wetting" of the substrate as well as excellent abrasion and weather resistance.

PROPERTIES:

COLORS.....	White & Gray
SOLIDS(Weight).....	76 - 78%
SOLIDS(Volume).....	54 - 56%
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.....	12.9 - 13.1 lbs/gal
FINISH.....	Low to Flat Sheen

ADVANTAGES:

- (1). Excellent Corrosion Resistance
- (2). Excellent Foundation
- (3). Extremely Abrasion Resistant
- (4). Excellent U.V. Resistance
- (5). Excellent Weather Resistance

- USES:**
- (1). Steel
 - (2). Machinery
 - (3). Tanks
 - (4). Ferrous Metal
 - (5). Equipment
 - (6). Towers

TECHNICAL DATA SHEET
ZINC PHOSPHATE ALKYD PRIMER
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Zinc Phosphate Alkyd Primer is formulated for spray application. For spray application, thin up to 15% by volume with xylene. Brushing small areas is possible, thin with Synthetic Reducer as needed for improved flow.

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
ALKYD CHALK-BOND PRIMER
200W71 WHITE
PAGE 1 OF 2

PRODUCT: An alkyd based primer formulated specifically for use on chalky exterior surfaces.

DESCRIPTION: A specially formulated alkyd-based primer designed to be used as a primer for chalky exterior 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: COLORS..... White
 SOLIDS(Weight)..... 76 - 79%
 THEORETICAL COVERAGE..... 200 - 400 sq.ft/gal
 DRY FILM THICKNESS..... 1 mil @ 350 sq.ft./gal
DRYING TIME-AT 75 DEGREES F:
 TO TOUCH..... 4 Hours
 TO RECOAT..... 18 Hours
 VEHICLE TYPE..... Modified Alkyd
 WEIGHT/GAL..... 11.7 - 12.0 lbs

ADVANTAGES: (1). Bonds Chalky Surface.
 (2). Creates Firm Surface.
 (3). Easy to Use.

USES: (1). Masonry
 (2). Wood.
 (3). Block.

TECHNICAL DATA SHEET
ALKYD CHALK-BOND PRIMER
200W71 WHITE
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Chalk-Bond Primer may be thinned when coating light chalking surfaces. Thin at a ratio of 3 parts Mineral Spirits to 8 parts Chalk-Bond. For heavy chalking, use at packaged consistency.

SURFACE PREPARATION:

Chalking that is very loose and dusty should be removed by wire brushing or scrubbing. Surface must be dry and free of oil and grease and sound before painting.

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-23377G CLASS N EPOXY
POLYAMIDE PRIMER**

PRODUCT DESCRIPTION:

A two-component, low VOC, non-chromate rust inhibitor, epoxy-polyamide primer 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.

TYPICAL PROPERTIES:

- (1). **COLORS**..... TY.I YELLOW, TY.II DK.GREEN
- (2). **SHELF LIFE**..... 1 Year From Date of Mfg
- (3). **AIR DRYING TIME:**
 - Tack-Free:..... Within 5 Hours
 - Hour Dry Hard:..... Within 8 Hours
- (4). **POT LIFE**:..... 4 hours
- (5). **Maximum VOC**:..... 340 g/l (2.8 lbs/gal)
- (6). **CLASS N**:..... Non-Chromate pigment

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. Thin with MIL-T-81772B TY.II if necessary. 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.

TECHNICAL DATA SHEET
TT-P-1757B TY.I, CL.N
NON-CHROMATE PRIMER
PAGE 1 OF 2

PRODUCT: A one-component, alkyd base, corrosion-inhibiting non-chromate primer.

DESCRIPTION: TT-P-1757B Ty.I, Cl.N Primer is a single component, non-chromate pigmented, low-moisture sensitivity primer primarily intended for spray application on surface treated aluminum or surface treated with pre-treatment coatings MIL-C-8514C or DOD-P-15328D. This primer may be used with or without top coating. When suitable thinned, this primer may be used for dip or flow-coat application.

PROPERTIES:

SOLIDS(Weight).....	59% Minimum
FINENESS OF GRIND.....	6 Minimum
COLORS.....	Green & Yellow
DRYING TIME:	
DRY HARD.....	Within 15 Minutes
THINNER.....	MIL-T-81772B TY.III
SHELF LIFE.....	1 Year

ADVANTAGES:

- (1). Corrosion Inhibiting
- (2). Use With or Without Topcoat
- (3). Non-Chromate Rust Inhibitor
- (4). Low-Moisture Sensitivity
- (5). Meets Government Specifications

TECHNICAL DATA SHEET
TT-P-1757B TY.I, CL.N
NON-CHROMATE PRIMER
PAGE 2 OF 2

SURFACE PREPARATION: *Steel, Non-Ferrous Metals & Galvanizing.*

Surface to be coated must be clean, dry, and free of all foreign contaminants including grease, oil, dirt and paint. Clean in accordance with SSPC-SP-1. Most metals should be sanded, except aluminum, which must have a base coat of pre-treatment wash primer MIL-C-8514C, followed by one wet coat of TT-P-1757B Ty.I, Cl.N. Alloys that oxidize must be lightly sanded to remove all loose material. Dirt and dust are best removed with a stiff bristle brush and by compressed air. For exterior use and non-ferrous metals, it is recommended that TT-P-1757B Ty.I, Cl.N be applied over pre-treatment coating conforming to MIL-C-8514C or DOD-P-15328D. Grease and oil should be removed by cleaning with appropriate solvents such as mineral spirits, lacquer wash thinner or xylene.

MIXING/APPLICATION INSTRUCTIONS:

Apply by spray, brush or dip to deposit a hiding coat of primer. A wet coat is necessary to secure maximum adhesion and corrosion inhibiting properties. For application by spray, thin one volume of packaged material with not more than 2-1/2 volumes of thinner per TT-X-916 or MIL-T-81772B TY.III. For dip or roller, thin 3 parts of packaged material with up to 5 parts of TT-X-916 or MIL-T-81772B TY.III 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
MIL-PRF-23377H TY.I,CL.C
EPOXY POLYAMIDE PRIMER**

PRODUCT DESCRIPTION:

A two-component, low VOC, high build, strontium chromate type epoxy-polyamide primer 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.

TYPICAL PROPERTIES:

- (1). **COLORS**..... TY.I YELLOW, TY.II DK.GREEN OR GRAY
- (2). **SHELF LIFE**..... 1 Year From Date of Mfg
- (3). **DRYING TIME:**
 - Tack-Free:..... Within 5 Hours
 - Dry Hard:..... Within 8 Hours
- (4). **POT LIFE:**..... 4 hours
- (5). **Maximum VOC:**..... 340 g/l (2.8 lbs/gal)
- (6). **VISCOSITY: MAX:**..... 40 SECONDS #4 FORD CUP

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. Thin with MIL-T-81772B TY.II if necessary. Apply a mist coat and allow to dry 30 minutes. Apply a second coat to a total dry film thickness of 0.6 to 0.9 mils. Brush and roll small areas only, as spraying is the recommended application method.

**TECHNICAL DATA SHEET
MIL-PRF-23377H CLASS C
EPOXY POLYAMIDE PRIMER**

PRODUCT DESCRIPTION:

A two-component, low VOC, epoxy-polyamide primer 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.

TYPICAL PROPERTIES:

- (1). **COLORS**..... TY.I YELLOW, TY.II DK.GREEN OR GRAY
- (2). **SHELF LIFE**..... 1 Year From Date of Mfg
- (3). **AIR DRYING TIME:**
Tack-Free:..... Within 5 Hours
Hour Dry Hard:..... Within 8 Hours
- (4). **POT LIFE**:..... 4 hours
- (5). **Maximum VOC**:..... 340 g/l (2.8 lbs/gal)
- (6). **MAXIMUM VISCOSITY**:..... 40 Seconds #4 Ford Cup

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. Thin with MIL-T-81772B TY.II if necessary. 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.

**TECHNICAL DATA SHEET
MIL-P-23377G CLASS N
EPOXY POLYAMIDE PRIMER**

PRODUCT DESCRIPTION:

A two-component, low VOC, non-chromate, high build, epoxy-polyamide primer 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.

TYPICAL PROPERTIES:

- (1). **COLORS**..... TY.I YELLOW, TY.II DK.GREEN
- (2). **SHELF LIFE**..... 1 Year From Date of Mfg
- (3). **DRYING TIME:**
 - Tack-Free:..... Within 5 Hours
 - Dry Hard:..... Within 8 Hours
- (4). **POT LIFE**:..... 4 hours
- (5). **Maximum VOC**:..... 340 g/l (2.8 lbs/gal)

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. Thin with MIL-T-81772B TY.II if necessary. 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. Brush and roll small areas only, as spraying is the recommended application method.

TECHNICAL DATA SHEET
DC202 RUST CONVERSION PRIMER 202C01
PAGE 1 OF 2

PRODUCT: A water-base, vinyl-acrylic emulsion primer that reacts with rust to form a film that is resistant to corrosion and has excellent durability.

DESCRIPTION: A waterbase, rust conversion primer that is formulated for use as a maintenance primer, automotive under-body/under-hood coating, overprint coating and for other applications that require excellent barrier and corrosion resistance properties. This primer exhibits good adhesion to a variety of substrates, excellent durability, toughness and corrosion resistance properties.

PROPERTIES:

COLOR.....	Clear
SOLIDS(Volume).....	46%
SOLIDS(Weight).....	61%
VOLATILE ORGANIC COMPOUNDS.....	0.63 lbs/gal
DRYING TIME-AT 75 DEGREES F:	
TO HANDLE.....	1 Hour
TO RECOAT.....	6 Hours
VEHICLE TYPE.....	Vinyl Acrylic
WEIGHT/GAL.....	12.6 lbs/gal
PIGMENT VOLUME CONCENTRATION.....	21%

ADVANTAGES:

- (1). Minimum Surface Preparation Required
- (2). Excellent Corrosion Resistance
- (3). Excellent Foundation
- (4). Extremely Abrasion Resistant
- (5). Water Reducible
- (6). Low Volatile Organic Compound Content

USES:

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

TECHNICAL DATA SHEET
DC202 RUST CONVERSION PRIMER 202C01
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs DC202 Rust Conversion Primer can applied by brush, roll or spray. For brushing and rolling, use as is or thin with Water.

For spraying, thin up to 10% or as needed with Water.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer. May be applied directly over rust that is firm and not flaking. Heavy rust with scaling must be wire brushed on scraped before application

STEEL:

Surface must be clean and free of all oil, grease and foreign material.

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
HYDRO-ACRYLIC ADOT #1 GRAY 300A09
ADOT #2 WHITE 300W05
HYDRO-ACRYLIC #3 TOPCOAT
PAGE 1 OF 2

PRODUCT: Griggs 300 Series Hydro-Acrylic Primers are lead-free, waterborne modified acrylic primers for ferrous metal. Griggs ADOT Hydro-Acrylic Primers are single component and manufactured according to pre-published ADOT requirements.

DESCRIPTION: A modified acrylic waterbase primer for ferrous metal. ADOT Hydro-Acrylic Primers have been tested to the requirements of The Arizona Department of Transportation specifications. All are lead and chromate free and thin with water for maximum environmental safety. Compatible with most commercial topcoats, but recommended for use with Griggs Paint's Hydro-Acrylic Topcoat System. The Hydro-Acrylic Topcoat can be tinted to a full range of colors.

ADVANTAGES: (1). Meets Latest ADOT Specifications.
(2). Excellent Foundation.
(3). Extremely Weather Resistant.

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

TECHNICAL DATA SHEET
HYDRO-ACRYLIC ADOT #1 GRAY 300A09
ADOT #2 WHITE 300W05
HYDRO-ACRYLIC #3 TOPCOAT
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs ADOT Hydro-Acrylic Primers 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.

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 OUT OF THE REACH OF CHILDREN.

Do not take internally.

KEEP FROM FREEZING.

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 ADOT #1 PRIMER
300A06 LIGHT GRAY
PAGE 1 OF 2

PRODUCT: A water-base, high-solids ADOT primer for ferrous metal. DC740 Primers are single- component, modified acrylic coatings formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. DC740 primers are lead-free and have an extremely high solids content. These primers offer excellent "wetting" of the steel in addition to excellent abrasion and weather 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..... Light Gray
 SOLIDS(Volume)..... 35%
 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 Acrylic
 WEIGHT/GAL..... 11.2 lbs/gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

ADVANTAGES: (1). Low Volatile Organic Compound Content
 (2). Excellent Corrosion Resistance
 (3). Excellent Foundation.
 (4). Extremely Abrasion Resistant
 (5). Water Reducible
 (6). Water Clean-Up
 (7). Low V.O.C.

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

**TECHNICAL DATA SHEET
DC740 ADOT #1 PRIMER
300A06 LIGHT GRAY
PAGE 2 OF 2**

APPLICATION & REDUCTION:

DC740 ADOT #1 Light Gray Primer 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.

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 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 PRIMERS
300A09 - GRAY
300W05 - OFF WHITE
PAGE 1 OF 2

PRODUCT: A lead-free, waterborne modified acrylic polymer primer for ferrous metal. Griggs ADOT Hydro-Acrylic Coatings are single component and manufactured according to pre-published ADOT requirements.

DESCRIPTION: A modified acrylic waterbase primer for ferrous metal. ADOT Hydro-Acrylic Primers have been test to the requirements of The Arizona Department of Transportation specifications. All are lead and chromate free and thin with water for maximum environmental safety.

PROPERTIES:

COLORS.....	Gray & Off White
SOLIDS(Weight).....	47 - 50%
THEORETICAL COVERAGE.....	515 - 518 mil-sq.ft/gal
VOLATILE ORGANIC COMPOUNDS(VOC).....	25-34 G/L
WEIGHT/GAL.....	10.6 -10.9 lbs/gal
CORROSION RESISTANCE.....	Excellent
ADHESION.....	Excellent
ADOT SYSTEM RATING.....	Excellent (110)

ADVANTAGES:

- (1). Meets Latest ADOT Specifications.
- (2). Excellent Foundation.
- (3). Extremely Weather Resistant.
- (4). Rust Inhibitive

USES:

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

**TECHNICAL DATA SHEET
HYDRO-ACRYLIC PRIMERS
300A09 - GRAY
300W05 - OFF WHITE
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs ADOT Hydro-Acrylic Coatings 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.

SURFACE PREPARATION:

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

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Keep from freezing.

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 PRIMERS
300A23 - GRAY
300W05 - OFF WHITE
PAGE 1 OF 2

PRODUCT: A lead-free, waterborne modified acrylic polymer primer for ferrous metal. Griggs ADOT Hydro-Acrylic Coatings are single component and manufactured according to pre-published ADOT requirements.

DESCRIPTION: A modified acrylic waterbase primer for ferrous metal. ADOT Hydro-Acrylic Primers have been test to the requirements of The Arizona Department of Transportation specifications. All are lead and chromate free and thin with water for maximum environmental safety.

PROPERTIES:

COLORS.....	Gray & Off White
SOLIDS(Weight).....	47 - 50%
THEORETICAL COVERAGE.....	515 - 518 mil-sq.ft/gal
VOLATILE ORGANIC COMPOUNDS(VOC).....	25-34 G/L
WEIGHT/GAL.....	10.6 -10.9 lbs/gal
CORROSION RESISTANCE.....	Excellent
ADHESION.....	Excellent
ADOT SYSTEM RATING.....	Excellent (110)

ADVANTAGES:

- (1). Meets Latest ADOT Specifications.
- (2). Excellent Foundation.
- (3). Extremely Weather Resistant.
- (4). Rust Inhibitive

USES:

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

TECHNICAL DATA SHEET
HYDRO-ACRYLIC PRIMERS
300A23 - GRAY
300W05 - OFF WHITE
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs ADOT Hydro-Acrylic Coatings 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.

SURFACE PREPARATION:

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

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Keep from freezing.

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 ADOT #1 **ADOT1H2O**
ADOT #2 OFF WHITE **ADOT2H2O**
HYDRO-ACRYLIC **ADOT3H2O**

PAGE 1 OF 2

PRODUCT: A lead-free, waterborne modified acrylic primer for ferrous metal. Griggs ADOT Hydro-Acrylic Coatings are single component and manufactured according to pre-published ADOT requirements.

DESCRIPTION: A modified acrylic waterbase primer for ferrous metal. ADOT Hydro-Acrylic Primers have been test to the requirements of The Arizona Department of Transportation specifications. All are lead and chromate free and thin with water for maximum environmental safety. This coating can also be formulated in a gloss topcoat for use as a system with the primer. The topcoat can be tinted to all colors, including the Federal 595B system.

ADVANTAGES: (1). Meets Latest ADOT Specifications.
(2). Excellent Foundation.
(3). Extremely Weather Resistant.

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

TECHNICAL DATA SHEET

HYDRO-ACRYLIC ADOT #1 ADOT1H2O

ADOT #2 OFF WHITE ADOT2H2O

HYDRO-ACRYLIC ADOT3H2O

PAGE 2 OF 2**APPLICATION & REDUCTION:**

Griggs ADOT Hydro-Acrylic Coatings 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.

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 OUT OF THE REACH OF CHILDREN.

Do not take internally.

Keep from freezing.

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
AG ACRYLIC WATERBORNE
RED OXIDE PRIMER/HYDRO-ACRYLIC 300R08
PAGE 1 OF 2**

PRODUCT: A lead-free, waterborne modified acrylic primer for ferrous metal. Griggs 300R08 AG Red Oxide Primer is single component, Low VOC and water thinnable.

DESCRIPTION: A modified acrylic waterbase primer for ferrous metal. Griggs Hydro-Acrylic Primers have been tested to the requirements of The Arizona Department of Transportation specifications. All are lead and chromate free and thin with water for maximum environmental safety.

ADVANTAGES:

- (1). Meets Latest ADOT Specifications.
- (2). Excellent Foundation.
- (3). Extremely Weather Resistant.

USES:

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

TECHNICAL DATA SHEET
AG ACRYLIC WATERBORNE
RED OXIDE PRIMER/HYDRO-ACRYLIC 300R08
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs 300R08 AG Acrylic Waterborne Red Oxide Primer can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with water. For spraying, thin up to 10% or as needed with 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 OUT OF THE REACH OF CHILDREN.

Do not take internally.

Keep from freezing.

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 WHITE PRIMER
PAGE 1 OF 2

PRODUCT: A conventional dry waterbase elastomeric primer.

DESCRIPTION: A specially formulated modified acrylic elastomeric primer. It can be applied by brush, roll or spray to a variety of substrates. This primer can be applied to emulsified coal tar and uncured asphalt surfaces where solvent systems may cause the surface to crack and lift.

PROPERTIES:

COLOR.....	White
SOLIDS(Weight).....	60 - 62%
GRIND.....	4+
VISCOSITY.....	70 - 90 KU
VEHICLE TYPE.....	Acrylic Latex
THINNER.....	Water
CLEAN-UP.....	Water

ADVANTAGES:

- (1). Early Water Resistance.
- (2). Rapid Dry.
- (3). Early Tracking Resistance.
- (4). Water Clean-Up and Thinning.
- (5). Low Odor.
- (6). Lead & Chromate Free

USES:

- (1). Airport Runways.
- (2). Concrete.
- (3). Asphalt.
- (4). Tennis Courts
- (5). Field Marking.
- (6). Streets & Highways

TECHNICAL DATA SHEET
ELASTOMERIC WHITE PRIMER
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Elastomeric White Primer can be applied by brush, roll or spray. Mix thoroughly before use. For spraying, strain through a nylon mesh filter bag and thin as required for equipment used. For brush and roll, thin up to 1 pint of water per gallon of paint.

SURFACE PREPARATION:

Surface must be clean and free of grease, oil, chalk, dust, and other contaminants. Do not apply if the temperature is below 50 degrees Fahrenheit.

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
EXTERIOR WOOD PRIMER
PAGE 1 OF 2**

PRODUCT: A waterbase 100% acrylic latex wood primer formulated for exterior use. May be used under topcoats such as alkyds, oils or latex paints.

DESCRIPTION: A specially formulated 100% acrylic latex primer designed for exterior wood and other surfaces. It adheres tightly to the surface and forms an excellent base for topcoats. May be used on many types of wood including pine, plywood, fir and siding. Griggs 301W34 Primer may be topcoated with alkyds, oil base paints or latex paints.

PROPERTIES:

COLOR.....	White
SOLIDS(Weight).....	45 - 47%
SOLIDS(Volume).....	32 - 34%
THEORETICAL COVERAGE.....	300 - 325 sq.ft./gal
DRYING TIME-AT 75 DEGREES F:	
TO TOUCH.....	60 Minutes
TO RECOAT.....	2 - 4 Hours
TO TOPCOAT.....	4 - 6 Hours
VEHICLE TYPE.....	Acrylic Latex

ADVANTAGES:

- (1). Seals Porous Surface.
- (2). Excellent Enamel Hold-Out.
- (3). Water-Base.
- (4). Excellent Adhesion.

USES:

- (1). Exterior Wood.
- (2). Pine.
- (3). Sheet Rock.
- (4). Fir.
- (5). Wood Trim and Sash.
- (6). Exterior Wood Siding

**TECHNICAL DATA SHEET
EXTERIOR WOOD PRIMER
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs Exterior 100% Acrylic Wood Primer may be thinned with water if necessary. Use at packaged consistency for most applications. May be applied by brush, roll or spray.

SURFACE PREPARATION:

Surface must be clean and free of grease, oil, chalk, dust, and other contaminants. Putty or caulk all holes, dents, scratches and splits before application of primer.

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
ACRYLIC LATEX PRIMER
PAGE 1 OF 2**

PRODUCT: A waterbase acrylic latex primer formulated for exterior and interior use. May be used under topcoats such as alkyds, oils or latex paints.

DESCRIPTION: A specially formulated acrylic latex primer designed for interior and exterior use. It adheres tightly to the surface and forms an excellent base for topcoats. May be used on many types of wood including pine, plywood, fir and siding. Griggs 301W50 Primer may be topcoated with alkyds, oil base paints or latex paints. Dries to a uniform flat finish.

PROPERTIES: COLOR..... White
 SOLIDS(Weight)..... 44 - 52%
 SOLIDS(Volume)..... 31 - 38%
 THEORETICAL COVERAGE..... 450 sq.ft./gal*
DRYING TIME-AT 75 DEGREES F:
 TO TOUCH..... 60 Minutes
 TO RECOAT..... 2 - 6 Hours
 TO TOPCOAT..... 6 - 8 Hours
 VEHICLE TYPE..... Acrylic Latex
 *Coverage @ 1 Mil Dry Film.

ADVANTAGES: (1). Seals Porous Surface.
 (2). Excellent Enamel Hold-Out.
 (3). Water-Base.
 (4). Excellent Adhesion.

USES: (1). Wood.
 (2). Sheet Rock.
 (3). Concrete.
 (4). Stucco.
 (5). Wood Trim.

**TECHNICAL DATA SHEET
ACRYLIC LATEX PRIMER
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs Acrylic Latex Primer may be thinned with water if necessary. Use at packaged consistency for most applications. May be applied by brush, roll or spray.

SURFACE PREPARATION:

Surface must be clean and free of grease, oil, chalk, dust, and other contaminants. Putty or caulk all holes, dents, scratches and splits after application of primer.

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
EPOXY PRIMER 600A30
P-415A-66 GRAY
PAGE 1 OF 2

PRODUCT: A two-component epoxy primer.

DESCRIPTION: Griggs P-415A-66 Gray Epoxy Primer 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 primer is required. This coating is available in a 1:1 mixture for spray, brush and roll applications. This epoxy primer 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 other substrates including PVC, plastics and concrete.

PROPERTIES:

SOLIDS(Weight).....	59 - 63%*
SOLIDS(Volume).....	49 - 52%*
VISCOSITY.....	70 - 90 KU
COLOR.....	Red Oxide
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 Primer
- (3). Meets MIL-P-23377F
- (4). Abrasion Resistant
- (5). Resistant to Corrosive Fumes
- (6). Water Resistant

TECHNICAL DATA SHEET
EPOXY PRIMER 600A30
P-415A-66 GRAY
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 such as mineral spirits, lacquer wash thinner or xylene. For immersion service, ask your Griggs representative for special surface preparation recommendations.

MIXING INSTRUCTIONS:

Griggs P-415A-66 Gray Epoxy Primer 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 1.5 - 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.

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 POLYAMIDE COATING
ZINC DUST PRIMER 600A75
PAGE 1 OF 2

PRODUCT: A three-component epoxy polyamide zinc-dust primer.

DESCRIPTION: Griggs Epoxy Polyamide Zinc Dust Primer is a three component chemically cured product that forms a film that is resistant to chemicals, solvents, moisture, 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 that protects the steel galvanically. This primer is excellent for structural steel, equipment used in heavy-duty industrial environments and other severe environments with the appropriate topcoat. May be topcoated with 2-part epoxies, polyurethanes, acrylics, vinyls and others as recommended.

PROPERTIES:

SOLIDS(Weight).....	80 - 82
SOLIDS(Volume).....	52 - 54%
VISCOSITY.....	70 - 95 KU
COLOR.....	Gray
THINNER.....	MIL-T-81772B TY.II
*COVERAGE(mixed gal).....	340 - 350 sq.ft/gal
WEIGHT/GAL.....	19.4 - 19.8 Lbs/Gal
ZINC CONTENT(DRY FILM).....	84 - 86% By Weight
TEMPERATURE RESISTANCE(CONTINUOUS).....	300 Deg. F
POT LIFE(75 degrees F).....	6 - 8 Hours**
TACK FREE.....	2 Hours**
RECOAT.....	3 Hours**

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

* Theoretical coverage at 3 mils

ADVANTAGES:

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

**TECHNICAL DATA SHEET
EPOXY POLYAMIDE COATING
ZINC DUST PRIMER 600A75
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 old paint. 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: Premix Components 1 and 2 then combine at a ratio of 1:1 by volume. Thoroughly mix and then add 20 pounds of zinc dust per kit. For example, if you mix 1 gallon Part 1 + 1 gallon Part 2 then add 20 pounds of zinc dust to that mixture. Thin as necessary with MIL-T-81772B Type 2 reducer. Periodically mix during application process to ensure zinc dust does not settle to bottom of can. Recommended application method is airless spray, but small areas may be brushed.

May be topcoated with epoxies, vinyls, acrylics and polyurethanes according to specific Griggs representatives 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-P-53030A PRIMER
WATER REDUCIBLE EPOXY
PAGE 1 OF 2

DESCRIPTION: A two component, air dry, water reducible epoxy type primer for ferrous and non-ferrous metals. Compatible with chemical agent-resistant aliphatic polyurethane topcoats. Griggs MIL-P-53030A Primer is lead and chromate free. Meets SCAQM District Rule 1107 for volatile organic compounds content. This primer features water thinning and clean-up, but has comparable properties to many solvent base epoxy primers.

PROPERTIES:

COLORS..... White & Gray
GLOSS..... Flat - Low Sheen
VEHICLE..... Epoxy
TOTAL SOLIDS..... 70% Min
GLOSS..... 25% Max
POT LIFE(@70 Degrees F,thinned)..... *6 Hrs
DRY-TO-TOUCH..... *45 Minutes
DRY HARD..... *2 Hours
FULL HARD..... *24 Hours
*(All pot life and dry times will be affected by
temperatures.)

TYPICAL USES:

- (1). Steel
- (2). Aluminum
- (3). Bridges
- (4). Towers
- (5). Equipment

CHARACTERISTICS:

- (1). Water Clean-up
- (2). Excellent Adhesion
- (3). Low V.O.C. Content
- (4). Air Dry

**TECHNICAL DATA SHEET
MIL-P-53030A PRIMER
WATER REDUCIBLE EPOXY
PAGE 2 OF 2**

APPLICATION & REDUCTION: Griggs MIL-P-53030A 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 Part A (Pigmented Component) to 1 part Part B (Clear Component) by volume. Thoroughly mix then add tap water as required for proper flow if brushing & proper atomization if spraying. If retarder 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, grease, cleaners, loose paint or rust. If recoating an epoxy primer, 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.

KEEP FROM FREEZING

**TECHNICAL DATA SHEET
611BC GLOSS GREEN
EPOXY PRIMER/TOPCOAT**

PRODUCT DESCRIPTION:

One type of two-component epoxy based primer/topcoat for Garrett. This product is specifically formulated for corrosion control of metals. Meets NPC-61611 specifications.

TYPICAL PROPERTIES:

- (1). COLOR.....All Fed.Std 595B Colors
- (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 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.

**TECHNICAL DATA SHEET
611BC GLOSS GREEN
EPOXY AMINE PRIMER
FP5025 TY.I, CL.C**

PRODUCT DESCRIPTION:

One type of two-component epoxy based primer for Garrett. This product is specifically formulated for corrosion control of metals. Meets NPC-61611 specifications.

TYPICAL PROPERTIES:

- (1). COLOR..... #14151 Gloss 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.

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.

TECHNICAL DATA SHEET
612A #34151 GREEN
EPOXY AMINE PRIMER
PAGE 1 OF 2

PRODUCT DESCRIPTION:

One type of two-component epoxy based primer for Garrett. This product is specifically formulated for corrosion control of metals but may also be used as a primer on bare, properly prepared concrete.

TYPICAL PROPERTIES:

- (1). COLOR.....#34151 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 and Base Primer.
- (5). **PENCIL HARDNESS:** 4H
- (6). Excellent Solvent, Chemical and Heat Resistance.
- (7). **FLASH POINT:** 24 Degrees Fahrenheit
- (8). **WEIGHT/GAL:** 9.81 lbs/gal(admixed)
- (9). **SOLIDS(Volume):** 30-33%
- (10). **THEORETICAL COVERAGE:** 275 - 300 Sq.Ft/Gallon
- (11). **SPRAYING VISCOSITY:** 16-20 Seconds #2 Zahn Cup.
- (12). Meets FP5025 Ty.I, Cl.C per Honeywell Specifications
- (13). **SHELF LIFE:** 1 Year from Date of Manufacture
- (14). **REDUCER:** MIL-T-81772B TY.II

APPLICATION AND REDUCTION:

612A is normally applied over well cleaned, bare metal and concrete 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. For brush and roll application, allow 1 hour wetting(induction) time and apply with high quality tools to avoid degradation by the solvents in the coating. Use admixed material within 8 hours. Dry to touch in 30 minutes, to handle in 4 hours and to topcoat within 12 -18 hours. May be topcoated with Acrylic, Polyurethane, Epoxy or other coatings as recommended by your Griggs representative.

TECHNICAL DATA SHEET
612A #34151 GREEN
EPOXY AMINE PRIMER
PAGE 2 OF 2

USE WITH CAUTION - READ MSDS BEFORE USE
CONTENTS ARE FLAMMABLE !
USE WITH ADEQUATE VENTILATION.
KEEP OUT OF REACH OF CHILDREN - FOR INDUSTRIAL USE ONLY!

**TECHNICAL DATA SHEET
612A #34151 GREEN EPOXY
AMINE PRIMER NPC61612-2**

PRODUCT DESCRIPTION:

One type of two-component epoxy based primer for Garrett. This product is specifically formulated for corrosion control of metals.

TYPICAL PROPERTIES:

- (1). COLOR..... #34151 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:** 9.81 lbs/gal(admixed)
- (9). **SOLIDS(Volume):** 30-33%
- (10). **SPRAYING VISCOSITY:** 16-20 Seconds #2 Zahn Cup.
- (11). Meets: NPC61612-2, FP5025 Ty.I, Cl.C
- (12). Shelf Life: 1 Year from Date of Manufacture

APPLICATION AND REDUCTION:

612A 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.

**TECHNICAL DATA SHEET
WIPECOAT #6 GREEN EPOXY
AMINE COATING NPC61646**

PRODUCT DESCRIPTION:

One type of two-component modified amine based epoxy primer formulated for maximum corrosion protection at thicknesses of 0.0006 to 0.0012 of an inch. This primer is specifically formulated for critical areas.

TYPICAL PROPERTIES:

- (1). COLOR.....Gloss Equivalent/ #34151 Green
- (2). Excellent Corrosion Resistance.
- (3). Good Solvent, Chemical and Heat Resistance.
- (4). **FLASH POINT:** 24 Degrees Fahrenheit(Admixed).

APPLICATION AND REDUCTION:

Wipecoat #6 is normally applied over well cleaned, bare metal without the use of pretreatment wash primers. Mix one-part Wipecoat #6 to one-part of C-1178 provided in the kit. Allow 30 minutes wetting time. Apply using primer- saturated swabs or applicators and spreading to a thin, uniform appearance. This primer may also be sprayed using conventional methods if necessary for large areas. Air dry 18 hours or bake for one hour at 200 - 225 degrees Fahrenheit.

TECHNICAL DATA SHEET
WATERBORNE EPOXY PRIMER
MIL-P-85582C
PAGE 1 OF 2

PRODUCT: A two-component waterborne epoxy polyamine primer.

DESCRIPTION: Griggs MIL-P-85582C Epoxy Primer is a two- component chemically cured water-borne primer that forms a film that is resistant to chemicals, solvents, moisture, and abrasion. This product has excellent adhesion to most substrates and is recommended for use as a primer under aliphatic polyurethane topcoats in aerospace applications. This coating is available in a 1:1 mixture for spray, brush and roll applications. MIL-P-85582C epoxy primer is rust inhibitive and chemical resistant with excellent abrasion resistance. Available in Type I, Standard color number 34151 Light Green and in Type II, Low Infrared Reflective, color number 34052 Dark Green.

PROPERTIES:

SOLIDS(Weight).....	70% Minimum
SOLIDS(Pigment).....	50% Minimum
THIN WITH.....	Water
COLORS.....	34151 & 34052 Green
POT LIFE(77 degrees F).....	4 - 6 Hours*
SET-TO-TOUCH.....	1 Hours*
RECOAT.....	Overnight*

* 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). Excellent Primer
- (3). Meets ASTM Standard Tests
- (4). Abrasion Resistant
- (5). Resistant to Corrosive Fumes
- (6). Water Thinnable
- (7). Low "VOC"

**TECHNICAL DATA SHEET
WATERBORNE EPOXY PRIMER
MIL-P-85582C
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 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.

KEEP FROM FREEZING, CONTAINS WATER.

**TECHNICAL DATA SHEET
611BC GLOSS GREEN
EPOXY AMINE PRIMER**

PRODUCT DESCRIPTION:

One type of two-component epoxy based primer for Garrett. This product is specifically formulated for corrosion control of metals. Meets MSC9010E specifications.

TYPICAL PROPERTIES:

- (1). COLOR..... #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.

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.

**TECHNICAL DATA SHEET
MIL-P-24441/20(SH)
#150 GREEN PRIMER**

PRODUCT DESCRIPTION:

A heavy duty two component epoxy primer that does not contain lead, chromium or other toxic metal pigments. MIL-P-24441/20 Epoxy Primer is used on steel where a heavy duty primer is required with maximum resistance to fresh or salt water. The complete three coat MIL-P-24441 Epoxy system is resistant to water, many industrial chemical fumes and high humidity environment conditions.

TYPICAL PROPERTIES:

- (1). **COLOR**..... Green
- (2). **SHELF LIFE**..... 1 Year From Date of Mfg
- (3). **IMMERSION RESISTANCE**..... Pass Hot Distilled Water
- (4). **VOLUME SOLIDS**..... 58%
- (5). **COVERAGE AT 2-3 DRY MILS**..... 250 - 370 Sq.Ft/Gal
- (6). **MINIMUM DRY FILM REQUIRED**..... 2 - 3 Mils
- (7). **WET FILM REQUIRED PER COAT**..... 3.5 - 5.2 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)

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 thinner T-262-66 or 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
MIL-P-24441A(SH)
#150 GREEN PRIMER**

PRODUCT DESCRIPTION:

A heavy duty two component epoxy primer that does not contain lead, chromium or other toxic metal pigments. MIL-P-24441A Epoxy Primer is used on steel where a heavy duty primer is required with maximum resistance to fresh or salt water. The complete three coat MIL-P-24441A Epoxy system is resistant to water, many industrial chemical fumes and high humidity environment conditions.

TYPICAL PROPERTIES:

- (1). **COLOR**..... Green
- (2). **SHELF LIFE**..... 1 Year From Date of Mfg
- (3). **IMMERSION RESISTANCE**..... Pass Hot Distilled Water
- (4). **VOLUME SOLIDS**..... 58%
- (5). **COVERAGE AT 2-3 DRY MILS**..... 250 - 370 Sq.Ft/Gal
- (6). **MINIMUM DRY FILM REQUIRED**..... 2 - 3 Mils
- (7). **WET FILM REQUIRED PER COAT**..... 3.5 - 5.2 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)

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 thinner T-262-66 or 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
WATERBORNE EPOXY PRIMER
MIL-PRF-85582C
PAGE 1 OF 2

PRODUCT: A two-component waterborne epoxy polyamine primer.

DESCRIPTION: Griggs MIL-PRF-85582C Epoxy Primer is a two-component chemically cured water-borne primer that forms a film that is resistant to chemicals, solvents, moisture, and abrasion. This product has excellent adhesion to most substrates and is recommended for use as a primer under aliphatic polyurethane topcoats in aerospace applications. This coating is available in a 1:1 mixture for spray, brush and roll applications. MIL-PRF-85582C epoxy primer is rust inhibitive and chemical resistant with excellent abrasion resistance. Available in Type I, Standard color number 34151 Light Green and in Type II, Low Infrared Reflective, color number 34052 Dark Green. Can be supplied in Class C2, Strontium Chromate, or Class N, Non-Chromate formulations.

PROPERTIES:

SOLIDS(Weight).....	70% Minimum
SOLIDS(Pigment).....	50% Minimum
THIN WITH.....	Water
COLORS.....	34151 & 34052 Green
POT LIFE(77 degrees F).....	4 - 6 Hours*
SET-TO-TOUCH.....	1 Hours*
RECOAT.....	Overnight*

* 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). Excellent Primer
- (3). Meets ASTM Standard Tests
- (4). Abrasion Resistant
- (5). Resistant to Corrosive Fumes
- (6). Water Thinnable
- (7). Low "VOC"

**TECHNICAL DATA SHEET
WATERBORNE EPOXY PRIMER
MIL-PRF-85582C
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 such as mineral spirits, lacquer wash thinner or xylene.

MIXING INSTRUCTIONS:

Mix at a ratio of 1:1 by volume with catalyst that is provided. Thin as needed with water. Use admixed material within pot life time limits.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

KEEP FROM FREEZING, CONTAINS WATER.

TECHNICAL DATA SHEET
MIL-DTL-24441/20
#150 GREEN PRIMER

PRODUCT DESCRIPTION:

A heavy duty two component epoxy primer that does not contain lead, chromium or other toxic metal pigments. MIL-DTL-24441/20 Epoxy Primer is used on steel where a heavy duty primer 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**..... Green
- (2). **SHELF LIFE**..... 1 Year From Date of Mfg
- (3). **IMMERSION RESISTANCE**..... Pass Hot Distilled Water
- (4). **VOLUME SOLIDS**..... 58%
- (5). **COVERAGE AT 2-3 DRY MILS**..... 250 - 370 Sq.Ft/Gal
- (6). **MINIMUM DRY FILM REQUIRED**..... 2 - 3 Mils
- (7). **WET FILM REQUIRED PER COAT**..... 3.5 - 5.2 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)

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 thinner T-262-66 or 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
MIL-P-53030 PRIMER 600R05
PAGE 1 OF 2

DESCRIPTION: A two component, air dry, water reducible epoxy type primer for ferrous and non-ferrous metals. Compatible with chemical agent-resistant aliphatic polyurethane topcoats. Griggs MIL-P-53030 Primer is lead and chromate free. Meets SCAQM District Rule 1107 for volatile organic compounds content. This primer features water thinning and clean-up, but has comparable properties to many solvent base epoxy primers.

PROPERTIES:

COLORS..... White, Gray & Red Oxide
 GLOSS..... Flat - Low Sheen
 VEHICLE..... Epoxy
 TOTAL SOLIDS..... 70% Min
 GLOSS..... 25% Max
 POT LIFE(@70 Degrees F,thinned)..... *6 Hrs
 DRY-TO-TOUCH..... *45 Minutes
 DRY HARD..... *2 Hours
 FULL HARD..... *24 Hours
 *(All pot life and dry times will be affected by
 temperatures.)

TYPICAL USES:

- (1). Steel
- (2). Aluminum
- (3). Bridges
- (4). Towers
- (5). Equipment

CHARACTERISTICS:

- (1). Water Clean-up
- (2). Excellent Adhesion
- (3). Low V.O.C. Content
- (4). Air Dry

TECHNICAL DATA SHEET
MIL-P-53030 PRIMER 600R05
PAGE 2 OF 2

APPLICATION & REDUCTION: Griggs MIL-P-53030 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 Part A (Pigmented Component) to 1 part Part B (Clear Component) by volume. Thoroughly mix then add tap water as required. If retarder 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, grease, cleaners, loose paint or rust. If recoating an epoxy primer, 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.

KEEP FROM FREEZING

TECHNICAL DATA SHEET
MIL-P-53030 PRIMER
PAGE 1 OF 2

DESCRIPTION: A two component, air dry, water reducible epoxy type primer for ferrous and non-ferrous metals. Compatible with chemical agent-resistant aliphatic polyurethane topcoats. Griggs MIL-P-53030 Primer is lead and chromate free. Meets SCAQM District Rule 1107 for volatile organic compounds content. This primer features water thinning and clean-up, but has comparable properties to many solvent base epoxy primers. **Mix at a ratio of 3:1 by volume.**

PROPERTIES:

COLOR..... Red Oxide
FINISH..... Flat - Low Sheen
VEHICLE..... Epoxy
TOTAL SOLIDS..... 70% Max
GLOSS..... 25% Max
POT LIFE(@70 Degrees F,thinned)..... *6 Hrs
DRY-TO-TOUCH..... *45 Minutes
DRY HARD..... *2 Hours
FULL HARD..... *24 Hours
*(All pot life and dry times will be affected by
temperatures.)

TYPICAL USES:

- (1). Steel
- (2). Aluminum
- (3). Bridges
- (4). Towers
- (5). Equipment

CHARACTERISTICS:

- (1). Water Clean-up
- (2). Excellent Adhesion
- (3). Low V.O.C. Content
- (4). Air Dry

TECHNICAL DATA SHEET
MIL-P-53030 PRIMER
PAGE 2 OF 2

APPLICATION & REDUCTION: Griggs MIL-P-53030 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 3 parts Part A to 1 part Part B by volume. Thoroughly mix then add tap water as required. If retarder 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, grease, cleaners, loose paint or rust. If recoating an epoxy primer, 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 PRIMER WHITE
PAGE 1 OF 2

PRODUCT: A two-component epoxy primer.

DESCRIPTION: Griggs Epoxy Primer is a two-component chemically cured product that forms a film that is resistant to water, chemicals, solvents and abrasion. This product has excellent penetration and adhesion to aged and deteriorating plaster, fiberglass and concrete surfaces. This coating is available in a 1:1 mixture for spray, brush and roll applications. This coating can be topcoated with chlorinated rubber, epoxy, polyurethane and other coatings.

PROPERTIES:

SOLIDS(Weight).....	58 - 60%*
SOLIDS(Volume).....	48 - 50%*
VISCOSITY.....	50 - 60 KU*
COLOR.....	White
POT LIFE(77 degrees F).....	6 - 8 Hours**
TACK FREE.....	2 Hours**
RECOAT.....	8 - 24 Hours**

* Admixed values.

** 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 PRIMER WHITE
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 by water blasting. An acid wash with a muriatic acid solution is also recommended if water blasting is not available.

DIRECTIONS FOR USE: Mix equal volumes of Part A and B after thoroughly mixing each component. Mixing ratio is 1:1 by volume. Reduce with Griggs Epoxy Thinner. Add 1 pint of thinner to each gallon of admixed material, or use a packaged consistency. Use mixture within 6 - 8 hours, depending on temperature. Must be topcoated within 24 hours of application of primer. For further information, please contact Griggs Paint technical staff at 602-243-3293.

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
QUICK-DRY EPOXY PRIMER
PAGE 1 OF 2

PRODUCT: A two-component fast-dry epoxy primer.

DESCRIPTION: Griggs Epoxy Primer is a two-component chemically cured product that forms a film that is resistant to water, chemicals, solvents and abrasion. This product has excellent penetration and adhesion to aged and deteriorating plaster, fiberglass and concrete surfaces. This coating is available in a 1:1 mixture for spray, brush and roll applications. This coating can be topcoated with chlorinated rubber, epoxy, polyurethane and other coatings. May be forced dry or baked for faster dry and cure times.

PROPERTIES:

SOLIDS(Weight).....	58 - 60%*
SOLIDS(Volume).....	48 - 50%*
VISCOSITY.....	50 - 60 KU*
COLOR.....	Full Range
POT LIFE(77 degrees F).....	8 - 10 Hours**
TACK FREE.....	10-15 Minutes
RECOAT.....	60 Minutes

* Admixed values.

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

TECHNICAL DATA SHEET
QUICK-DRY EPOXY PRIMER
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 by water blasting. An acid wash with a muriatic acid solution is also recommended if water blasting is not available.

DIRECTIONS FOR USE: Mix equal volumes of Part A and B after thoroughly mixing each component. Mixing ratio is 1:1 by volume. Reduce with Griggs Epoxy Thinner. Add 1 pint of thinner to each gallon of admixed material, or use a packaged consistency. Use mixture within 8 - 10 hours, depending on temperature. Must be topcoated within 24 hours of application of primer. For further information, please contact Griggs Paint technical staff at 602-243-3293.

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-P-53030 PRIMER
PAGE 1 OF 2

DESCRIPTION: A two component, air dry, water reducible epoxy type primer for ferrous and non-ferrous metals. Compatible with chemical agent-resistant aliphatic polyurethane topcoats. Griggs MIL-P-53030 Primer is lead and chromate free. Meets SCAQM District Rule 1107 for volatile organic compounds content. This primer features water thinning and clean-up, but has comparable properties to many solvent base epoxy primers.

PROPERTIES:

COLORS..... White, Gray & Red Oxide
GLOSS..... Flat - Low Sheen
VEHICLE..... Epoxy
TOTAL SOLIDS..... 70% Min
GLOSS..... 25% Max
POT LIFE(@70 Degrees F,thinned)..... *6 Hrs
DRY-TO-TOUCH..... *45 Minutes
DRY HARD..... *2 Hours
FULL HARD..... *24 Hours

*(All pot life and dry times will be affected by temperatures.)

TYPICAL USES:

- (1). Steel
- (2). Aluminum
- (3). Bridges
- (4). Towers
- (5). Equipment

CHARACTERISTICS:

- (1). Water Clean-up
- (2). Excellent Adhesion
- (3). Low V.O.C. Content
- (4). Air Dry

TECHNICAL DATA SHEET
MIL-P-53030 PRIMER
PAGE 2 OF 2

APPLICATION & REDUCTION: Griggs MIL-P-53030 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 Part A (Pigmented Component) to 1 part Part B (Clear Component) by volume. Thoroughly mix then add tap water as required. If retarder 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, grease, cleaners, loose paint or rust. If recoating an epoxy primer, 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.

KEEP FROM FREEZING

TECHNICAL DATA SHEET
HYDROPOX #2 EPOXY PRIMER
PAGE 1 OF 2

PRODUCT: A two-component waterborne epoxy primer.

DESCRIPTION: Griggs Hydropox #2 Epoxy Primer is a two- component chemically cured product that forms a film that is resistant to water, chemicals, solvents and abrasion. This product has excellent penetration and adhesion to aged and deteriorating plaster, fiberglass and concrete surfaces. This coating is available in a 4:1 mixture and is water thinnable. This coating can be topcoated with chlorinated rubber, epoxy, polyurethane and other coatings.

PROPERTIES:

SOLIDS(Weight).....	65 - 69%*
SOLIDS(Volume).....	55 - 59%*
VISCOSITY.....	50 - 60 KU*
COLORS.....	White & Gray
POT LIFE(77 degrees F).....	6 - 8 Hours**
TACK FREE.....	2 Hours**
RECOAT.....	8 - 24 Hours**

* Admixed values.

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

TYPICAL USES:

- (1). Steel
- (2). Floors
- (3). Drywall / Plaster Walls
- (4). Wood
- (5). Clean Rooms - Meets FDA Guidelines

CHARACTERISTICS:

- (1). Water Clean-up
- (2). Excellent Adhesion
- (3). Low V.O.C. Content
- (4). Mildew, Mold and Fungus Resistant
- (5). Chemical Resistant

TECHNICAL DATA SHEET
HYDROPOX #2 EPOXY PRIMER
PAGE 2 OF 2

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. *The addition of 3-8 ounces per gallon of Acetone after thinning with water will enhance gloss and flow characteristics.*

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
PCS5401 TY.I, CL.A EPOXY
AMINE PRIMER 600Y45

PRODUCT DESCRIPTION:

One type of two-component epoxy based primer for Garrett. This product is specifically formulated for corrosion control of metals.

TYPICAL PROPERTIES:

- (1). COLOR..... Yellow
- (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:** 9.81 lbs/gal(admixed)
- (9). **SOLIDS(Volume):** 30-33%
- (10). **SPRAYING VISCOSITY:** 16-20 Seconds #2 Zahn Cup.

APPLICATION AND REDUCTION:

PCS5401 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.

TECHNICAL DATA SHEET
HYDROPOX #1 WATERBORNE PRIMER
PAGE 1 OF 2

PRODUCT: An epoxy modified waterborne primer.

DESCRIPTION: A specially formulated epoxy-modified waterborne primer with excellent penetration and adhesion. This primer is specially designed for maximum adhesion to concrete and masonry surfaces, as well as galvanized and metal surfaces. Fast dry, and early water resistance combine to produce superior properties.

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..... 15 - 30 Mins
 TO RECOAT..... 1 - 2 Hours
 GLOSS..... Low Satin Sheen

ADVANTAGES: (1). VOC Compliant
 (2). Superior Adhesion
 (3). Water Thinnable
 (4). Environmentally Safer
 (5). Fast Dry

USES: (1). Concrete
 (2). Masonry
 (3). Stucco
 (4). Cement
 (5). Exterior Siding

TECHNICAL DATA SHEET
HYDROPOX #1 WATERBORNE PRIMER
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Hydropox #1 Epoxy-Modified Waterborne Primer 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: 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
EPOXY POLYAMINE COATING
LOW VOC 608G70
PAGE 1 OF 2

PRODUCT: A two-component epoxy polyamine primer/topcoat.

DESCRIPTION: Griggs Epoxy Polyamine Primer/Topcoat 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 primer is required. This coating is available in a 1:1 mixture for spray, brush and roll applications. LOW-VOC epoxy primer 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.

PROPERTIES:

SOLIDS(Weight).....	59 - 63%*
SOLIDS(Volume).....	48 - 52%*
VISCOSITY.....	70 - 90 KU
COLORS.....	#14151 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 Primer
- (3). Meets ASTM Standard Tests
- (4). Abrasion Resistant
- (5). Resistant to Corrosive Fumes

TECHNICAL DATA SHEET
EPOXY POLYAMINE COATING
LOW VOC 608G70
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 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 PRIMER
LOW VOC - LEAD FREE
PAGE 1 OF 2**

PRODUCT: A two-component epoxy polyamine primer.

DESCRIPTION: Griggs Epoxy Polyamine Primer 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 primer is required. This coating is available in a 1:1 mixture for spray, brush and roll applications. LOW-VOC epoxy primer 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.

PROPERTIES:

SOLIDS(Weight).....	59 - 63%*
SOLIDS(Volume).....	48 - 52%*
VISCOSITY.....	70 - 90 KU
COLORS.....	Green, Gray, 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 Primer
- (3). Meets ASTM Standard Tests
- (4). Abrasion Resistant
- (5). Resistant to Corrosive Fumes
- (6). Meets Allied Signal MCS9010
- (7). Meets Allied Signal PCS5401
- (8). Meets Allied Signal EMS53181

TECHNICAL DATA SHEET
EPOXY POLYAMINE PRIMER
LOW VOC - LEAD FREE
PAGE 1 OF 2

USES:

- (1). Steel
- (2). Aerospace
- (3). Machinery
- (4). Equipment
- (5). Fiberglass

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.

FOR INDUSTRIAL USE ONLY.

CONTENTS ARE FLAMMABLE.

**TECHNICAL DATA SHEET
ZINC DUST PRIMER
MIL-P-26915B TY.I, CL.B
PAGE 1 OF 2**

PRODUCT: A lead-free, high-solids zinc-dust primer for steel surfaces. This primer is compatible with aliphatic polyurethane and enamel topcoats such as MIL-C-83286B and MIL-C-85285C.

DESCRIPTION: An organic type paint which produces a film containing high metallic zinc in contact with the steel. Like galvanizing, this zinc is electrically conductive, thereby preventing corrosion electro-chemically. It is also suitable as a finish coat on all ferrous and galvanized surfaces. Available in only in Class B, two-component.

PROPERTIES: COLOR..... Gray
SOLIDS(Weight)..... 83.5%
THEORETICAL COVERAGE..... 1000-1015 mil sq.ft/gal
DRY FILM THICKNESS..... 2.5 to 3.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
TO HANDLE..... 20 Minutes
TO RECOAT..... 3 Hours
VEHICLE TYPE..... Modified Alkyd
WEIGHT/GAL..... 20.3 Lbs

ADVANTAGES: (1). Meets Steel Structures Painting Council (S.S.P.C.) requirements.
(2). High Zinc Content.
(3). Provides Galvanic Protection to Steel.
(4). Excellent Corrosion Resistance
(5). Excellent Foundation
(6). Extremely Abrasion Resistant

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

**TECHNICAL DATA SHEET
ZINC DUST PRIMER
MIL-P-26915B TY.I, CL.B
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs MIL-P-26915B TY.I, CL.B Zinc Dust Primer can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with Mineral Spirits. 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.

MIXING INSTRUCTIONS FOR CLASS B:

Combine 1 gallon of vehicle to pre-measured gallon of zinc dust by slowly mixing the zinc dust portion into the vehicle while under constant agitation. Mix thoroughly to disperse any lumps of zinc dust that may form while combining. After complete mixing, strain the admixed material before application.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

CAUTION: Combined material may form gas and bulge container. 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
ZINC DUST PRIMER
MIL-P-26915B TY.I
PAGE 1 OF 2**

PRODUCT: A lead-free, high-solids zinc-dust primer for steel surfaces. This primer is compatible with aliphatic polyurethane and enamel topcoats such as MIL-C-83286.

DESCRIPTION: An organic type paint which produces a film containing high metallic zinc in contact with the steel. Like galvanizing, this zinc is electrically conductive, thereby preventing corrosion electrochemically. It is also suitable as a finish coat on all ferrous and galvanized surfaces. Available in only in Class B, two-component.

PROPERTIES: COLOR..... Gray
SOLIDS(Weight)..... 83.5%
THEORETICAL COVERAGE..... 1000-1015 mil sq.ft/gal
DRY FILM THICKNESS..... 2.5 to 3.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
TO HANDLE..... 20 Minutes
TO RECOAT..... 3 Hours
VEHICLE TYPE..... Modified Alkyd
WEIGHT/GAL..... 20.3 Lbs

ADVANTAGES: (1). Meets Steel Structures Painting Council (S.S.P.C.) requirements.
(2). High Zinc Content.
(3). Provides Galvanic Protection to Steel.
(4). Excellent Corrosion Resistance
(5). Excellent Foundation
(6). Extremely Abrasion Resistant

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

**TECHNICAL DATA SHEET
ZINC DUST PRIMER
MIL-P-26915B TY.I
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs MIL-P-26915B Zinc Dust Primer can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with Mineral Spirits. 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.

MIXING INSTRUCTIONS FOR CLASS B:

Combine 1 gallon of vehicle to pre-measured gallon of zinc dust by slowly mixing the zinc dust portion into the vehicle while under constant agitation. Mix thoroughly to disperse any lumps of zinc dust that may form while combining. After complete mixing, strain the admixed material before application.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

CAUTION: Combined material may form gas and bulge container. 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-21035B ZINC DUST 700A21
PAGE 1 OF 2

PRODUCT: A two part, high zinc dust content, galvanizing repair compound. Provides cathodic protection similar to galvanizing.

DESCRIPTION: Griggs MIL-P-21035B is a zinc-rich organic primer that provides excellent corrosion resistance due to its cathodic protection. When fully cured, this coating has excellent abrasion, temperature and weather resistance. Its high metallic zinc content protects substrate as a galvanizing replacement.

PROPERTIES: COLOR..... Gray
 SOLIDS(Weight)..... 88%
 ZINC DUST CONTENT(Weight of NV)..... Minimum 94%
 THEORETICAL COVERAGE*..... 250-300 sq.ft./gal
 VISCOSITY..... 88-92 KU

DRYING TIME:

TO TOUCH..... 30-60 Minutes
 DRY HARD..... Within 8 Hours

WEIGHT/GAL..... 23 lbs/gal
 PIGMENT TYPE..... Zinc Dust
 *Actual coverage may vary.

TOPCOATS: Epoxies, Acrylic, Chlorinated Rubber, Vinyls and many other maintenance coatings, **consult your Griggs Paint Technical Rep.**

USES: (1). Underground Pipes
 (2). Off Shore Rigs (Above splash zones)
 (3). Water Lines
 (4). Aluminum
 (5). Bridges
 (6). Tank Exteriors
 (7). Structural Steel

TECHNICAL DATA SHEET
MIL-P-21035B ZINC DUST 700A21
PAGE 2 OF 2

APPLICATION/MIXING:

Spray is the best method of application. Use air spray with agitated pressure pot or airless spray with continuous material mixing setup. May also be brushed. Do not thin under normal conditions.

Power mix vehicle component, then slowly sift zinc dust into the vehicle with continuous agitation. Mix until free of lumps to a smooth consistency. Strain mixture through a med- fine mesh bag strainer. Do not mix partial kits.

SURFACE PREPARATION:

SSPC-SP6 Commercial Blast or SSPC-SP10 Near White Blast for immersion and severe corrosive environments.

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 (SSPC-SP6) and primed the same day.

PRECAUTIONS:

Contents are Flammable

Keep away from heat and open flame.

Shelf life 12 months from date of Mfg.

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-P-21035A ZINC COMPOUND
700A22
PAGE 1 OF 2

PRODUCT: A single component, high zinc dust content, galvanizing repair compound. Provides cathodic protection similar to galvanizing.

DESCRIPTION: Griggs DOD-P-21035A is a zinc-rich organic primer that provides excellent corrosion resistance due to its cathodic protection. When fully cured, this coating has excellent abrasion, temperature and weather resistance. Its high metallic zinc content protects substrate as a galvanizing replacement.

PROPERTIES: COLOR..... Gray
 SOLIDS(Weight)..... 88%
 SOLIDS(Volume)..... 57%
 THEORETICAL COVERAGE*..... 400-500 sq.ft./gal
 FILM THICKNESS..... 1.5 to 2.0 mils p/coat
DRYING TIME:
 TO TOUCH..... 30-60 Minutes
 TO TOPCOAT (Most Topcoats)..... 24 Hours
 WEIGHT/GAL..... 23 lbs/gal
 PIGMENT TYPE..... Zinc Dust
 *Actual coverage may vary.

TOPCOATS: Epoxies, Acrylic, Chlorinated Rubber, Vinyls and many other maintenance coatings, **consult your Griggs Paint Technical Rep.**

USES: (1). Underground Pipes
 (2). Off Shore Rigs (Above splash zones)
 (3). Water Lines
 (4). Aluminum
 (5). Refineries
 (6). Tank Exteriors
 (7). Structural Steel

TECHNICAL DATA SHEET
DOD-P-21035A ZINC COMPOUND
700A22
PAGE 2 OF 2

APPLICATION:

Spray is the best method of application. Use air spray with agitated pressure pot or airless spray with continuous material mixing setup. May also be brushed. Do not thin under normal conditions.

SURFACE PREPARATION:

SSPC-SP6 Commercial Blast or SSPC-SP10 Near White Blast for immersion and severe corrosive environments.

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 (SSPC-SP6) and primed the same day.

PRECAUTIONS:

Contents are Flammable

Keep away from heat and open flame.

Shelf life 12 months from date of Mfg.

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-53022B TY.I #26622
GRAY EPOXY PRIMER**

PRODUCT DESCRIPTION:

A fast drying, two component, corrosion inhibiting, lead and chromate free epoxy primer. Meets air pollution requirements (Rule 102) and may be used to replace MIL-P-52192 and MIL-P-23377 where exposure to lead or chromate pigments is not permitted.

TYPICAL PROPERTIES:

- (1). **COLOR**..... #26622 Gray
- (2). **TOTAL SOLIDS**..... 60% Minimum
- (3). **PIGMENT**..... 38% Minimum
- (4). **VEHICLE SOLIDS**..... 22% Minimum
- (5). **Excellent Corrosion Resistance**
- (6). **Excellent Solvent, Chemical and Heat Resistance.**
- (7). **GLOSS**..... 10 - 30%
- (8). **DRY-TO-TOUCH**..... Within 5 Minutes
- (9). **DRY HARD**..... Within 90 Minutes
- (10). **DRY THROUGH**..... Within 4 Hours
- (11). **VISCOSITY**..... 63 - 73 KU

APPLICATION AND REDUCTION:

MIL-P-53022B Type I is normally applied over well cleaned, bare substrates. Mix FOUR PARTS epoxy primer with ONE PART of the catalyst provided in the kit. Allow 30 to 45 minutes 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 5 minutes, to handle in 90 minutes. For brushing and rolling, thin with MIL-T-81772B Type 2 as needed for proper flow and ease of application not to exceed 1 pint per gallon.

TECHNICAL DATA SHEET
MIL-P-21035B ZINC DUST
700A111
PAGE 1 OF 2

PRODUCT: A two part, high zinc dust content, galvanizing repair compound. Provides cathodic protection similar to galvanizing.

DESCRIPTION: Griggs MIL-P-21035B is a zinc-rich organic primer that provides excellent corrosion resistance due to its cathodic protection. When fully cured, this coating has excellent abrasion, temperature and weather resistance. Its high metallic zinc content protects substrate as a galvanizing replacement.

PROPERTIES: COLOR..... Gray
 SOLIDS(Weight)..... 88%
 ZINC DUST CONTENT(Weight of NV)..... Minimum 94%
 THEORETICAL COVERAGE*..... 250-300 sq.ft./gal
 VISCOSITY..... 88-92 KU
DRYING TIME:
 TO TOUCH..... 30-60 Minutes
 DRY HARD..... Within 8 Hours
 WEIGHT/GAL..... 23 lbs/gal
 PIGMENT TYPE..... Zinc Dust
 *Actual coverage may vary.

TOPCOATS: Epoxies, Acrylic, Chlorinated Rubber, Vinyls and many other maintenance coatings, **consult your Griggs Paint Technical Rep.**

USES: (1). Underground Pipes
 (2). Off Shore Rigs (Above splash zones)
 (3). Water Lines
 (4). Aluminum
 (5). Bridges
 (6). Tank Exteriors
 (7). Structural Steel

TECHNICAL DATA SHEET
MIL-P-21035B ZINC DUST
700A111
PAGE 2 OF 2

APPLICATION/MIXING:

Spray is the best method of application. Use air spray with agitated pressure pot or airless spray with continuous material mixing setup. May also be brushed. Do not thin under normal conditions.

Power mix vehicle component, then slowly sift zinc dust into the vehicle with continuous agitation. Mix until free of lumps to a smooth consistency. Strain mixture through a med- fine mesh bag strainer. Do not mix partial kits.

SURFACE PREPARATION:

SSPC-SP6 Commercial Blast or SSPC-SP10 Near White Blast for immersion and severe corrosive environments.

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 (SSPC-SP6) and primed the same day.

PRECAUTIONS:

Contents are Flammable

Keep away from heat and open flame.

Shelf life 12 months from date of Mfg.

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-53022B TY.II #26622
GRAY EPOXY PRIMER

PRODUCT DESCRIPTION:

A fast drying, two component, corrosion inhibiting, lead and chromate free epoxy primer. Meets air pollution requirements (Rule 102) and may be used to replace MIL-P-52192 and MIL-P-23377 where exposure to lead or chromate pigments is not permitted.

TYPICAL PROPERTIES:

- (1). **COLOR**..... #26622 Gray
- (2). **SOLIDS BY WEIGHT(ADMIXED)**..... 82 - 84%
- (3). **SOLIDS BY VOLUME(ADMIXED)**..... 70 - 72%
- (4). **VOC CONTENT**..... 235 - 240 G/L
- (5). **Excellent Corrosion Resistance**
- (6). **Excellent Solvent, Chemical and Heat Resistance.**
- (7). **GLOSS**..... 10 - 30%
- (8). **DRY-TO-TOUCH**..... Within 5 Minutes
- (9). **DRY HARD**..... Within 90 Minutes
- (10). **DRY THROUGH/TOPCOAT**..... Within 4 Hours
- (11). **THEORETICAL COVERAGE**..... 250 - 300 SQ.FT/GALLON
- (12). **VISCOSITY**..... 63 - 73 KU

APPLICATION AND REDUCTION:

MIL-P-53022B Type II is normally applied over well cleaned, bare substrates. Mix FOUR PARTS epoxy primer with ONE PART of the catalyst provided in the kit. Allow 30 to 45 minutes wetting time. Spray one cross coat to achieve a dry film thickness of 1.0 - 1.5 mils. Use admixed material within 8 hours. Dry to touch in 5 minutes, to handle in 90 minutes. For brushing and rolling, thin with MIL-T-81772B Type 2 as needed for proper flow and ease of application not to exceed 1 pint per gallon.

TECHNICAL DATA SHEET
ZINC DUST PRIMER
MIL-PRF-26915D TY.I
PAGE 1 OF 2

PRODUCT: A lead-free, high-solids zinc-dust primer for steel surfaces. This primer is compatible with aliphatic polyurethane and enamel topcoats such as MIL-C-85285C.

DESCRIPTION: An organic type paint which produces a film containing high metallic zinc in contact with the steel. Like galvanizing, this zinc is electrically conductive, thereby preventing corrosion electrochemically. It is also suitable as a finish coat on all ferrous and galvanized surfaces. Available in only in Type I, two-component in either Class A or B.

PROPERTIES: COLOR..... Gray
 SOLIDS(Weight)..... 83.5%
 THEORETICAL COVERAGE..... 1000-1015 mil sq.ft/gal
 DRY FILM THICKNESS..... 2.5 to 3.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
 TO HANDLE..... 20 Minutes
 TO RECOAT..... 3 Hours
 VEHICLE TYPE..... Modified Alkyd
 WEIGHT/GAL..... 20.3 Lbs
 VOC:... Class A: 340 G/L Max Class B: 250 G/L Max

ADVANTAGES: (1). Meets Steel Structures Painting Council (S.S.P.C.) requirements.
 (2). High Zinc Content.
 (3). Provides Galvanic Protection to Steel.
 (4). Excellent Corrosion Resistance
 (5). Excellent Foundation
 (6). Extremely Abrasion Resistant

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

**TECHNICAL DATA SHEET
ZINC DUST PRIMER
MIL-PRF-26915D TY.I
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs MIL-PRF-26915D TY.I Zinc Dust Primer can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with Mineral Spirits. For spraying, thin up to one pint per gallon or as needed for proper atomization 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.

MIXING INSTRUCTIONS FOR CLASS B:

Combine 1 gallon of vehicle to pre-measured gallon of zinc dust by slowly mixing the zinc dust portion into the vehicle while under constant agitation. Mix thoroughly to disperse any lumps of zinc dust that may form while combining. After complete mixing, strain the admixed material before application.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

CAUTION: Combined material may form gas and bulge container. 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 SANDING SEALER
A-A-1572

PRODUCT DESCRIPTION:

A lacquer type sanding sealer for spray application. For use on interior wood to be topcoated with clear lacquer finishes. May be applied by conventional or airless spray equipment. Can be used in conjunction with a stain, washcoat and/or a filler together with lacquer finish coats.

TYPICAL PROPERTIES:

- (1). COLOR..... Clear
- (2). **DRYING TIME:**..... 75 Degrees Fahrenheit
Dry Through..... Within 20 Minutes
- (3). SOLIDS(WEIGHT)..... Minimum 21%
- (4). VEHICLE..... Nitrocellulose Lacquer

APPLICATION AND REDUCTION:

Apply at packaged consistency without thinning. May be applied by conventional or airless spray equipment. If thinning is necessary, reduce with MIL-T-81772B Type 3.

**TECHNICAL DATA SHEET
MIL-P-15930C COMP.G VINYL
ZINC CHROMATE PRIMER**

PRODUCT DESCRIPTION:

A primer coating, vinyl-zinc chromate for use with conventional or hot spray equipment over DOD-P-15328D metal pretreatment wash primer.

TYPICAL PROPERTIES:

- (1). **COLOR**..... #34096 Green
- (2). **SHELF LIFE**..... 1 Year From Date of Mfg
- (3). **DRYING TIME:**
 - Set-to-Touch: Within 15 Minutes
 - Dry Hard: Within 30 Minutes
- (4). **SOLIDS BY WEIGHT**..... 34 - 37%
- (5). **GRIND**..... 5 Minimum
- (6). **WEIGHT/GALLON**..... 8.2 - 8.7 Lbs

APPLICATION AND REDUCTION:

Surface to be coated must be clean and free of any foreign matter. Pre-treat with DOD-P-15328D by spraying a 0.5 dry mil film coat. Allow to dry for one hour and then coat with a 0.9 - 1.1 dry mil film of MIL-P-15930C. Thin with MIL-T-81772B Type III as needed for proper atomization.

TECHNICAL DATA SHEET
MIL-P-8585A
ZINC CHROMATE PRIMER
PAGE 1 OF 2

PRODUCT: A low-moisture sensitivity, corrosion-inhibiting zinc chromate primer.

DESCRIPTION: MIL-P-8585A Zinc Chromate Primer is a single component, zinc-chromate pigmented, low-moisture sensitivity primer primarily intended for spray application on surface treated aluminum or surface treated with pre-treatment coatings MIL-C-8514C or DOD-P-15328D. This primer may be used with or without top coating. When suitable thinned, this primer may be used for dip or flow-coat application.

PROPERTIES:

SOLIDS(Weight)..... 46% Minimum
PIGMENT(Weight)..... 53% Minimum
Zinc Chromate(Weight)..... 85% Minimum of Pigment
COLORS..... Green & Yellow

DRYING TIME:

DRY HARD..... Within 15 Minutes
GLOSS..... Not Over 6 Units
SHELF LIFE..... 1 Year
THINNER..... MIL-T-81772B TY.III or TT-X-916

ADVANTAGES:

- (1). Corrosion Inhibiting
- (2). Use With or Without Topcoat
- (3). Fast Dry
- (4). Low-Moisture Sensitivity
- (5). Meets Government Specifications

**TECHNICAL DATA SHEET
MIL-P-8585A
ZINC CHROMATE PRIMER
PAGE 2 OF 2**

SURFACE PREPARATION: *Steel, Non-Ferrous Metals & Galvanizing.*

Surface to be coated must be clean, dry, and free of all foreign contaminants including grease, oil, dirt and paint. Clean in accordance with SSPC-SP-1. Most metals should be sanded, except aluminum, which must have a base coat of pre-treatment wash primer MIL-C-8514C, followed by one wet coat of MIL-P-8585A. Alloys that oxidize must be lightly sanded to remove all loose material. Dirt and dust are best removed with a stiff bristle brush and by compressed air. For exterior use and non-ferrous metals, it is recommended that MIL-P-8585A be applied over pre-treatment coating conforming to MIL-C-8514C or DOD-P-15328D. 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/APPLICATION INSTRUCTIONS:

Apply by spray, brush or dip to deposit a hiding coat of primer. A wet coat is necessary to secure maximum adhesion and corrosion inhibiting properties. For application by spray, thin one volume of packaged material with not more than 2-1/2 volumes of thinner per TT-X-916 or MIL-T-81772B TY.III. For dip or roller, thin 3 parts of packaged material with up to 5 parts of TT-X-916 or MIL-T-81772B TY.III 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
MIL-P-28577B ACRYLIC
WATERBORNE RED OXIDE PRIMER
700R05
PAGE 1 OF 2

PRODUCT: A lead-free, waterborne modified acrylic red oxide primer for ferrous metal.

DESCRIPTION: A modified acrylic waterbase red oxide primer for ferrous metal. Meets requirements of MIL-P-28577B. Corrosion resistant for use on interior and exterior surfaces. It is lead and chromate free and thin with water for maximum environmental safety. This coating can also be formulated in a gloss topcoat for use as a system with the primer. The topcoat can be tinted to all colors, including the Federal 595B system.

ADVANTAGES:

- (1). Meets MIL-P-28577B.
- (2). Meets MPI #107.
- (3). Extremely Weather Resistant.
- (4). Excellent Foundation.

USES:

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

TECHNICAL DATA SHEET
MIL-P-28577B ACRYLIC
WATERBORNE RED OXIDE PRIMER
700R05
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs MIL-P-28577B Primer can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with water. For spraying, thin up to one pint of water per gallon or as needed for proper atomization.

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 OUT OF THE REACH OF CHILDREN.

Do not take internally.

Keep from freezing.

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-664D RED OXIDE PRIMER
700R35
PAGE 1 OF 2

PRODUCT: A quick-drying, corrosion inhibiting, high solids alkyd primer.

DESCRIPTION: A high quality synthetic alkyd resin base red oxide primer for pre-treated ferrous and non-ferrous metals. Contains an extremely high solids content. This primer is lead and chromate free as well as low VOC.

PROPERTIES: COLOR..... Red Oxide
PIGMENT(Weight)..... 50% Minimum
THEORETICAL COVERAGE..... 880 mil sq.ft/gal
MAXIMUM VOC..... 420 Grams/Liter
DRYING TIME-AT 75 DEGREES F:
TO TOUCH..... Within 10 Minutes
DRY THROUGH..... Within 4 Hours
VEHICLE TYPE..... Modified Alkyd
TOTAL SOLIDS..... Minimum 78% By Weight
GLOSS(60 DEG)..... 5 - 15%

ADVANTAGES: (1). Low Volatile Organic Compound Content
(2). Excellent Corrosion Resistance
(3). Excellent Foundation
(4). Lead and Chromate Free
(5). Low V.O.C.

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

TECHNICAL DATA SHEET
TT-P-664D RED OXIDE PRIMER
700R35
PAGE 2 OF 2

APPLICATION & REDUCTION:

TT-P-664D Red Oxide is fast drying and is best applied by spray application. Brushing may be accomplished for small areas.

For spraying, thin up to 15% or as needed with Xylene or TT-T-306C Type I Synthetic Reducer.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer. Non-Ferrous metals must be primed with metal pretreatment wash primer MIL-C-8514C or DOD-P-15328D before application of the TT-P-664D.

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 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-11414E RED OXIDE PRIMER
PAGE 1 OF 2

PRODUCT: A fast dry, corrosion inhibiting, high solids alkyd primer.

DESCRIPTION: A high quality alkyd resin base red oxide primer for properly cleaned or pre-treated metals. Contains an extremely high solids content. This primer is lead and chromate free as well as low VOC. It is not intended for use on the inside of potable water tanks or for marine environment use.

PROPERTIES: COLOR..... Red Oxide
 FINENESS OF GRIND..... 5 Minimum
 THEORETICAL COVERAGE..... 931 mil sq.ft/gal
 MAXIMUM VOC(Reduced)..... 420 Grams/Liter
DRYING TIME-AT 75 DEGREES F:
 TO TOUCH..... Within 5 Minutes
 DRY THROUGH..... Within 12 Minutes
 VEHICLE TYPE..... Modified Alkyd
 TOTAL SOLIDS..... Minimum 70% By Weight
 GLOSS(60 DEG)..... 2 - 6%

ADVANTAGES: (1). Low Volatile Organic Compound Content
 (2). Excellent Corrosion Resistance
 (3). Fast Drying
 (4). Lead and Chromate Free
 (5). Low V.O.C.

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

TECHNICAL DATA SHEET
MIL-P-11414E RED OXIDE PRIMER
PAGE 2 OF 2

APPLICATION & REDUCTION:

MIL-E-11414E Red Oxide is fast drying and is best applied by spray application. Brushing may be accomplished for small areas only.

For spraying, thin up to one pint per gallon of Xylene or MIL-T-81772B Type 3 or as needed for proper atomization.

SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer. Non-Ferrous metals must be primed with metal pretreatment wash primer MIL-C-8514C or DOD-P-15328D before application of the MIL-E-11414E.

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 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-22332B COMP.G
ZINC CHROMATE PRIMER
PAGE 1 OF 2

PRODUCT: A corrosion-inhibiting, zinc chromate primer.

DESCRIPTION: MIL-P-22332B Comp.G Zinc Chromate Primer is a single component, quick-drying, rust inhibiting, lacquer resisting, primer primarily intended for coating the interior and exterior surfaces of ammunition and rockets.

PROPERTIES:

SOLIDS(Weight)..... 63 - 65%
PIGMENT(Weight)..... 40 - 42%
ZINC CHROMATE(Weight)..... 10 - 12%
RESIN..... Modified Alkyd
COLOR..... Red Oxide

DRYING TIME:

DRY HARD..... Within 15 Minutes
DRY THROUGH..... Within 25 Minutes
BAKING..... 25-30 Minutes @ 225-250 Deg.F
THINNER..... Xylene

ADVANTAGES:

- (1). Corrosion Inhibiting
- (2). High Solids
- (3). Fast Dry
- (4). Rust Inhibiting
- (5). Meets Government Specifications

**TECHNICAL DATA SHEET
MIL-P-22332B COMP.G
ZINC CHROMATE PRIMER
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 paint. Clean in accordance with SSPC-SP-1. Most metals should be sanded, except aluminum, which must have a base coat of pre-treatment wash primer MIL-C-8514C, followed by one wet coat of MIL-P-22332B. Alloys that oxidize must be lightly sanded to remove all loose material. Dirt and dust are best removed with a stiff bristle brush and by compressed air. For exterior use and non-ferrous metals, it is recommended that MIL-P-22332B be applied over pre-treatment coating conforming to MIL-C-8514C or DOD-P-15328D. 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/APPLICATION INSTRUCTIONS:

Apply by spray, or brush small areas to deposit a hiding coat of primer. A wet coat is necessary to secure maximum adhesion and corrosion inhibiting properties. For application by spray, thin with Xylene for proper atomization.

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-P-22332B
ZINC CHROMATE PRIMER
PAGE 1 OF 2

PRODUCT: A corrosion-inhibiting, zinc chromate primer.

DESCRIPTION: MIL-P-22332B Zinc Chromate Primer is a single component, quick-drying, rust inhibiting, lacquer resisting, primer primarily intended for coating the interior and exterior surfaces of ammunition and rockets.

PROPERTIES:

SOLIDS(Weight).....	63 - 65%
PIGMENT(Weight).....	40 - 42%
ZINC CHROMATE(Weight).....	10 - 12%
RESIN.....	Modified Alkyd

DRYING TIME:

DRY HARD.....	Within 15 Minutes
DRY THROUGH.....	Within 25 Minutes
BAKING.....	25-30 Minutes @ 225-250 Deg.F
THINNER.....	Xylene

ADVANTAGES:

- (1). Corrosion Inhibiting
- (2). High Solids
- (3). Fast Dry
- (4). Rust Inhibiting
- (5). Meets Government Specifications

**TECHNICAL DATA SHEET
MIL-P-22332B
ZINC CHROMATE PRIMER
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 paint. Clean in accordance with SSPC-SP-1. Most metals should be sanded, except aluminum, which must have a base coat of pre-treatment wash primer MIL-C-8514C, followed by one wet coat of MIL-P-22332B. Alloys that oxidize must be lightly sanded to remove all loose material. Dirt and dust are best removed with a stiff bristle brush and by compressed air. For exterior use and non-ferrous metals, it is recommended that MIL-P-22332B be applied over pre-treatment coating conforming to MIL-C-8514C or DOD-P-15328D. 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/APPLICATION INSTRUCTIONS:

Apply by spray, or brush small areas to deposit a hiding coat of primer. A wet coat is necessary to secure maximum adhesion and corrosion inhibiting properties. For application by spray, thin with Xylene for proper atomization.

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
TT-P-1757A
ZINC CHROMATE PRIMER
PAGE 1 OF 2

PRODUCT: A low-moisture sensitivity, corrosion-inhibiting zinc chromate primer.

DESCRIPTION: TT-P-1757A Zinc Chromate Primer is a single component, zinc-chromate pigmented, low-moisture sensitivity primer primarily intended for spray application on surface treated aluminum or surface treated with pre-treatment coatings MIL-C-8514C or DOD-P-15328D. This primer may be used with or without top coating. When suitable thinned, this primer may be used for dip or flow-coat application.

PROPERTIES:

SOLIDS(Weight)..... 46% Minimum
PIGMENT(Weight)..... 53% Minimum Zinc
Chromate(Weight)..... 85% Minimum of Pigment
COLORS..... Green & Yellow

DRYING TIME:

DRY HARD..... Within 15 Minutes
GLOSS..... Not Over 6 Units
SHELF LIFE..... 1 Year
THINNER..... MIL-T-81772B TY.III or TT-X-916

ADVANTAGES:

- (1). Corrosion Inhibiting
- (2). Use With or Without Topcoat
- (3). Fast Dry
- (4). Low-Moisture Sensitivity
- (5). Meets Government Specifications

TECHNICAL DATA SHEET
TT-P-1757A
ZINC CHROMATE PRIMER
PAGE 2 OF 2

SURFACE PREPARATION: *Steel, Non-Ferrous Metals & Galvanizing.*

Surface to be coated must be clean, dry, and free of all foreign contaminants including grease, oil, dirt and paint. Clean in accordance with SSPC-SP-1. Most metals should be sanded, except aluminum, which must have a base coat of pre-treatment wash primer MIL-C-8514C, followed by one wet coat of TT-P-1757A. Alloys that oxidize must be lightly sanded to remove all loose material. Dirt and dust are best removed with a stiff bristle brush and by compressed air. For exterior use and non-ferrous metals, it is recommended that TT-P-1757A be applied over pre-treatment coating conforming to MIL-C-8514C or DOD-P-15328D. 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/APPLICATION INSTRUCTIONS:

Apply by spray, brush or dip to deposit a hiding coat of primer. A wet coat is necessary to secure maximum adhesion and corrosion inhibiting properties. For application by spray, thin one volume of packaged material with not more than 2-1/2 volumes of thinner per TT-X-916 or MIL-T-81772B TY.III. For dip or roller, thin 3 parts of packaged material with up to 5 parts of TT-X-916 or MIL-T-81772B TY.III 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
DC701 WATER REDUCIBLE
ACRYLIC GRAY PRIMER
PAGE 1 OF 2 **701A18**

PRODUCT: A rust-inhibitive, waterborne, styrenated acrylic latex primer formulated for extreme water and corrosion resistance.

DESCRIPTION: A rust-inhibitive, waterborne, direct-to-metal, corrosion resistant, acrylic water reducible primer for steel. DC701 offers excellent corrosion resistance, early water resistance, and a sound base for use as a waterbase alternative shop primer for maintenance, steel, railcar and OEM finishes.

PROPERTIES:

COLOR.....	Gray
VOLATILE ORGANIC COMPOUNDS.....	99 g/l
SOLIDS(Weight).....	48 - 51%
SOLIDS(Volume).....	31 - 34%
FLASH POINT.....	> 300 Deg.F
THEORETICAL COVERAGE.....	502 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.....	10.9 - 11.1 lbs/gal

ADVANTAGES:

- (1). Superior Corrosion Resistance
- (2). Early Water Resistance
- (3). Superior Base
- (4). Excellent Flash Rust Resistance
- (5). Low "VOC" Content
- (6). Water Clean-Up

USES:

- (1). Steel
- (2). Machinery
- (3). Parts
- (4). Non-Ferrous Metals
- (5). Equipment
- (6). Rail Cars
- (7). Galvanized Metal
- (8). Tools

TECHNICAL DATA SHEET
DC701 WATER REDUCIBLE
ACRYLIC GRAY PRIMER
PAGE 2 OF 2 701A18

APPLICATION & REDUCTION:

DC701 Waterborne Acrylic Primers can be reduced with water up to 10% 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. Apply at 3-4 wet mils per coat.

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. Galvanized and aluminum substrates must be properly cleaned before application.

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
DC701 WATER REDUCIBLE
ACRYLIC PRIMER
PAGE 1 OF 2

PRODUCT: A rust-inhibitive, waterbase, styrenated acrylic latex primer formulated for extreme water and corrosion resistance.

DESCRIPTION: A rust-inhibitive, corrosion resistant, acrylic water reducible primer for steel. DC701 offers excellent corrosion resistance, early water resistance, and a sound base for use as a waterbase alternative primer for maintenance, steel, railcar and OEM finishes.

PROPERTIES: COLORS..... White, Gray RedOxide
 SOLIDS(Weight)..... 47 - 50%
 SOLIDS(Volume)..... 35 - 38%
 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..... 10.2 - 10.6 lbs/gal

ADVANTAGES: (1). Superior Corrosion Resistance
 (2). Early Water Resistance
 (3). Superior Base
 (4). Excellent Flash Rust Resistance
 (5). Low "VOC" Content
 (6). Water Clean-Up

USES: (1). Steel
 (2). Machinery
 (3). Parts
 (4). Non-Ferrous Metals
 (5). Equipment
 (6). Rail Cars
 (7). Galvanized Metal
 (8). Tools

TECHNICAL DATA SHEET
DC701 WATER REDUCIBLE
ACRYLIC PRIMER
PAGE 2 OF 2

APPLICATION & REDUCTION:

DC701 Water-Reducible Acrylic Primers 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.

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. Galvanized and aluminum substrates must be properly cleaned before application.

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
DC701 WATER REDUCIBLE
ACRYLIC RED OXIDE PRIMER
PAGE 1 OF 2 **701R10**

PRODUCT: A rust-inhibitive, waterborne, styrenated acrylic latex primer formulated for extreme water and corrosion resistance.

DESCRIPTION: A rust-inhibitive, waterborne, direct-to-metal, corrosion resistant, acrylic water reducible primer for steel. DC701 offers excellent corrosion resistance, early water resistance, and a sound base for use as a waterbase alternative shop primer for maintenance, steel, railcar and OEM finishes.

PROPERTIES:

COLOR.....	Red Oxide
VOLATILE ORGANIC COMPOUNDS.....	96 g/l
SOLIDS(Weight).....	47 - 50%
SOLIDS(Volume).....	30 - 33%
FLASH POINT.....	> 300 Deg.F
THEORETICAL COVERAGE.....	478 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.....	10.9 - 11.1 lbs/gal

ADVANTAGES:

- (1). Superior Corrosion Resistance
- (2). Early Water Resistance
- (3). Superior Base
- (4). Excellent Flash Rust Resistance
- (5). Low "VOC" Content
- (6). Water Clean-Up

USES:

- (1). Steel
- (2). Machinery
- (3). Parts
- (4). Non-Ferrous Metals
- (5). Equipment
- (6). Rail Cars
- (7). Galvanized Metal
- (8). Tools

TECHNICAL DATA SHEET
DC701 WATER REDUCIBLE
ACRYLIC RED OXIDE PRIMER
PAGE 2 OF 2 701R10

APPLICATION & REDUCTION:

DC701 Waterborne Acrylic Primers can be reduced with water up to 10% 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. Apply at 3-4 wet mils per coat.

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. Galvanized and aluminum substrates must be properly cleaned before application.

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 RATMOORE PRIMERS
740 SERIES
PAGE 1 OF 2**

PRODUCT: A water-base, rust-resistant primer for ferrous metal. DC740 Ratmoore Primers are single-component, modified alkyd coatings formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. DC740 Ratmoore primers are lead-free and have an extremely low VOC content. These primers offer excellent "wetting" of the steel in addition to excellent abrasion and weather 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. Available in gray and red, both colors are water-reducible.

PROPERTIES: COLORS..... Gray and Red
SOLIDS(Volume)..... 45 - 53%
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..... 11.5 lbs/gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

ADVANTAGES: (1). Low Volatile Organic Compound Content
(2). Excellent Corrosion Resistance
(3). Excellent Foundation.
(4). Extremely Abrasion Resistant
(5). Water Reducible
(6). Water Clean-Up
(7). Low V.O.C.

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

**TECHNICAL DATA SHEET
DC740 RATMOORE PRIMERS
740 SERIES
PAGE 2 OF 2**

APPLICATION & REDUCTION:

DC740 Ratmoore Primers 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.

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 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 RATMOORE #1 PRIMER
740A33
PAGE 1 OF 2

PRODUCT: A lead-free , high-solids water-reducible alkyd primer for ferrous metal. Ratmoore primers are single-component modified alkyd coatings formulated for maximum rust prevention. DC740 Ratmoore is a water thinnable and low V.O.C. primer.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. Ratmoore primers are lead free and have an extremely high solids content. These primers 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: COLOR..... Gray
 SOLIDS(Weight)*..... 49 - 53%
 THEORETICAL COVERAGE*..... 845 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
 VOLATILE ORGANIC COMPOUNDS(VOC)..... 185 G/L
 *Dry times are affected by temperature.
 WEIGHT/GAL*..... 10.5 - 11.8 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
DC740 RATMOORE #1 PRIMER
740A33
PAGE 2 OF 2

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

APPLICATION & REDUCTION:

Griggs Ratmoore Primers 740 Series can be applied by brush, roll or spray.

For brushing and rolling, use as is or thin with Water as needed. For spraying, thin up to 15% or as needed with 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 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
DC740 RATMOORE #7 GRAY
WATER REDUCIBLE PRIMER
PAGE 1 OF 3

PRODUCT: A water-base, rust-resistant primer for ferrous metal. DC740 Ratmoore #7 Gray Primer is a single-component, modified alkyd coating formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. DC740 Ratmoore #7 Gray Primer is lead-free and has an extremely low VOC content. This primer offers excellent "wetting" of the steel in addition to excellent abrasion and weather 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. Environmentally friendly water-reducible formulation.

PROPERTIES: COLOR..... Steel Gray
 SOLIDS(Weight)..... 47 - 50%
 THEORETICAL COVERAGE..... 511 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..... 11.5 lbs/gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

ADVANTAGES: (1). Low Volatile Organic Compound Content
 (2). Excellent Corrosion Resistance
 (3). Excellent Foundation
 (4). Meets SSPC Specifications
 (5). Water Reducible
 (6). Water Clean-Up
 (7). Low V.O.C.
 (8). Extremely Abrasion Resistant

**TECHNICAL DATA SHEET
DC740 RATMOORE #7 GRAY
WATER REDUCIBLE PRIMER
PAGE 2 OF 3**

- USES:**
- (1). Steel
 - (2). Machinery
 - (3). Tanks
 - (4). Bridges
 - (5). Equipment

APPLICATION & REDUCTION:

DC740 Ratmoore #7 Gray Primer 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.

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 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 RATMOORE #7 GRAY
WATER REDUCIBLE PRIMER
PAGE 3 OF 3

PERFORMANCE CRITERIA:

ABRASION: ASTM D 4060, 500 gm. Load, CS-17 Wheel, Does not exceed 30 mg. loss after 500 cycles.

ADHESION: ASTM D 3359, Method B (crosshatch adhesion).
Pass 5B rating.

SALT SPRAY: ASTM B 117, No blistering, cracking, softening or delamination of film. No rust at scribe and no rusting at edges after 500 hrs.

STANDARDS: Meets or exceeds performance requirements of Federal Specification TT-P-86D, Type I and II.

Meets SSPC Specification requirements.

TECHNICAL DATA SHEET
DC740 INDUSTRIAL PRIMER
740A69 WESTERN FAB GRAY
PAGE 1 OF 2

PRODUCT: A lead-free, high-solids, high-opacity water-reducible alkyd primer for ferrous metal. DC740 Western Fab Gray Primer is a single component, water thinnable alkyd coating formulated for excellent rust prevention.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. DC740 Western Fab W/R Gray Primer is lead free and has an extremely high solids and prime pigment content. This primer offers excellent "wetting" of the steel in addition to superior abrasion and weather resistance. Formulated with the environment in mind, this primer is a low "VOC" product that uses water for thinning and cleanup!

PROPERTIES:

COLOR.....	Gray
SOLIDS(Weight).....	52 - 54%
THEORETICAL COVERAGE.....	546-548 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
MATERIAL VOLATILE ORGANIC CMPS(VOC).....	127 G/L
WEIGHT/GAL.....	11.0 - 11.2 Lbs/Gal
TEMPERATURE RESISTANCE.....	Up to 300 degrees F

ADVANTAGES:

- (1). Meets Steel Structures Painting Council (S.S.P.C.) requirements
- (2). Excellent Corrosion Resistance
- (3). Hi-Opacity Coverage
- (4). Low "VOC" Formulation
- (5). Excellent Abrasion Resistance
- (6). Excellent Foundation

TECHNICAL DATA SHEET
DC740 INDUSTRIAL PRIMER
740A69 WESTERN FAB GRAY
PAGE 2 OF 2

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

APPLICATION & REDUCTION:

Griggs Western Fab Gray Primer can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with clean tap water. For spraying, thin up to 15% or as needed with clean 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 OUT OF THE REACH OF CHILDREN!

Keep away from heat and open flame.

Keep from freezing!

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 WESTERN FAB GRAY
WATER REDUCIBLE PRIMER
PAGE 1 OF 3**

PRODUCT: A water-base, rust-resistant primer for ferrous metal. DC740 Western Fab Gray Primer is a single-component, modified alkyd coating formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. DC740 Western Fab Gray Primer is lead-free and has an extremely low VOC content. This primer offers excellent "wetting" of the steel in addition to excellent abrasion and weather 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. Environmentally friendly water-reducible formulation.

PROPERTIES: COLOR..... Western Fab Gray
SOLIDS(Weight)..... 45 - 47%
THEORETICAL COVERAGE..... 485 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..... 10.2 lbs/gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

ADVANTAGES: (1). Low Volatile Organic Compound Content
(2). Excellent Corrosion Resistance
(3). Excellent Foundation.
(4). Extremely Abrasion Resistant
(5). Water Reducible
(6). Water Clean-Up
(7). Low V.O.C.

TECHNICAL DATA SHEET
DC740 WESTERN FAB GRAY
WATER REDUCIBLE PRIMER
PAGE 2 OF 3

- USES:**
- (1). Steel
 - (2). Machinery
 - (3). Tanks
 - (4). Bridges
 - (5). Equipment

APPLICATION & REDUCTION:

DC740 Western Fab Gray Primer 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.

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 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 WESTERN FAB GRAY
WATER REDUCIBLE PRIMER
PAGE 3 OF 3

PERFORMANCE CRITERIA:

ABRASION: ASTM D 4060, 500 gm. Load, CS-17 Wheel, Does not exceed 30 mg. loss after 500 cycles.

ADHESION: ASTM D 3359, Method B (crosshatch adhesion). Pass 5B rating.

SALT SPRAY: ASTM B 117, No blistering, cracking, softening or delamination of film. No rust at scribe and no rusting at edges after 500 hrs.

STANDARDS: Meets or exceeds performance requirements of Federal Specification TT-P-86D, Type I and II.

TECHNICAL DATA SHEET
DC740 FERRO PRIME GRAY 740A98
PAGE 1 OF 2

PRODUCT: A water-base, high-solids primer for ferrous metal. Griggs Ferro Prime - Gray is a single-component, modified alkyd coating formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant primer designed for ferrous and non-ferrous metal. Griggs Ferro Prime - Gray Primer is a high solids product that offers superior adhesion and abrasion resistance. FERRO PRIME dries fast, is easy to use and is compatible with virtually all industrial topcoats. Formulated with the environment in mind, FERRO PRIME is a low "VOC" product that uses water to clean-up.

PROPERTIES: COLOR..... Gray
 SOLIDS(Weight)..... 43 - 45%
 MATERIAL "VOC"..... 125 G/L
 THEORETICAL COVERAGE..... 475 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..... 9.9 - 10.2 lbs/gal
SALT SPRAY..... 300+ Hours ASTM STD. B117
TEMPERATURE RESISTANCE..... Up to 250 degrees F

ADVANTAGES: (1). Low Volatile Organic Compound Content
 (2). Excellent Corrosion Resistance
 (3). Excellent Foundation
 (4). Extremely Abrasion Resistant
 (5). Water Reducible
 (6). Water Clean-Up
 (7). Low V.O.C.

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

TECHNICAL DATA SHEET
DC740 FERRO PRIME GRAY 740A98
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs FERRO PRIME Gray Primer 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.

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:

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 RATMOORE TN GRAY
WATER REDUCIBLE PRIMER
PAGE 1 OF 3 740A122

PRODUCT: A water-base, rust-resistant primer for ferrous metal. DC740 Ratmoore TN Gray Primer is a single-component, modified alkyd coating formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. DC740 Ratmoore TN Gray Primer is lead-free and has an extremely low VOC content. This primer offers excellent "wetting" of the steel in addition to excellent abrasion and weather 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. Environmentally friendly water-reducible formulation.

PROPERTIES: COLOR..... TN Gray
 SOLIDS(Weight)..... 48 - 51%
 THEORETICAL COVERAGE..... 528 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..... 10.3 - 10.5 Lbs/Gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

ADVANTAGES: (1). Low Volatile Organic Compound Content
 (2). Excellent Corrosion Resistance
 (3). Excellent Foundation
 (4). Meets SSPC Specifications
 (5). Water Reducible
 (6). Water Clean-Up
 (7). Low V.O.C.
 (8). Extremely Abrasion Resistant

TECHNICAL DATA SHEET
DC740 RATMOORE TN GRAY
WATER REDUCIBLE PRIMER
PAGE 2 OF 3 740A122

- USES:**
- (1). Steel
 - (2). Machinery
 - (3). Tanks
 - (4). Bridges
 - (5). Equipment

APPLICATION & REDUCTION:

DC740 Ratmoore TN Gray Primer 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.

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 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 FLAT BLACK PRIMER 740B13
PAGE 1 OF 2

PRODUCT: A water-base, high-solids primer for ferrous metal. Griggs DC740 Flat Black Primer is a single-component, modified alkyd coating formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant primer designed for ferrous and non-ferrous metal. Griggs DC740 Flat Black Primer is a high solids product that offers superior adhesion and abrasion resistance. It dries fast, easy to use and compatible with virtually all industrial topcoats. Formulated with the environment in mind, DC740 Flat Black Primer is a low "VOC" product that uses water to clean-up.

PROPERTIES: COLOR..... Black
 SOLIDS(Weight)..... 42 - 44%
 MATERIAL "VOC"..... 150 G/L
 THEORETICAL COVERAGE..... 501 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..... 9.9 - 10.2 lbs/gal
SALT SPRAY..... 300+ Hours ASTM STD. B117
TEMPERATURE RESISTANCE..... Up to 250 degrees F

ADVANTAGES: (1). Low Volatile Organic Compound Content
 (2). Excellent Corrosion Resistance
 (3). Excellent Foundation
 (4). Extremely Abrasion Resistant
 (5). Water Reducible
 (6). Water Clean-Up
 (7). Low V.O.C.

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

TECHNICAL DATA SHEET
DC740 FLAT BLACK PRIMER 740B13
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs DC740 Flat Black Primer 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.

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:

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 PRIMER
740R02 RED - 200A02 GRAY
PAGE 1 OF 2

PRODUCT: A water-base, rust-resistant primer for ferrous metal. DC740 Primers are single-component, modified alkyd coatings formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. DC740 primers are lead-free and have an extremely low VOC content. These primers offer excellent "wetting" of the steel in addition to excellent abrasion and weather 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..... Gray and Red Oxide
(A *WIDE RANGE OF CUSTOM COLORS AVAILABLE*)
SOLIDS(Volume)..... 37%
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..... 11.5 lbs/gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

ADVANTAGES: (1). Low Volatile Organic Compound Content
(2). Excellent Corrosion Resistance
(3). Excellent Foundation.
(4). Extremely Abrasion Resistant
(5). Water Reducible
(6). Water Clean-Up
(7). Low V.O.C.

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

TECHNICAL DATA SHEET
DC740 PRIMER
740R02 RED - 200A02 GRAY
PAGE 2 OF 2

APPLICATION & REDUCTION:

DC740 SPECIAL PRIMER 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.

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 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 RED OXIDE PRIMER 740R04
PAGE 1 OF 2

PRODUCT: A water-base, rust-resistant primer for ferrous metal. DC740 Primers are single- component, modified alkyd coatings formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. DC740 primers are lead-free and have an extremely low VOC content. These primers offer excellent "wetting" of the steel in addition to excellent abrasion and weather 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..... Red Oxide
 SOLIDS(Volume)..... 37%
 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..... 11.5 lbs/gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

ADVANTAGES: (1). Low Volatile Organic Compound Content
 (2). Excellent Corrosion Resistance
 (3). Excellent Foundation.
 (4). Extremely Abrasion Resistant
 (5). Water Reducible
 (6). Water Clean-Up
 (7). Low V.O.C.

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

TECHNICAL DATA SHEET
DC740 RED OXIDE PRIMER 740R04
PAGE 2 OF 2

APPLICATION & REDUCTION:

DC740 SPECIAL RED OXIDE PRIMER 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.

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 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 SG RED OXIDE PRIMER
740R05 CONVEY RED OXIDE
PAGE 1 OF 2

PRODUCT: A lead-free, high-solids water-reducible alkyd primer for ferrous metal. DC740 Convey Red Oxide is a single-component modified alkyd primer formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. DC740 Convey Red-Oxide primer is lead free and has an extremely high solids content. These primers offer excellent "wetting" of the steel in addition to excellent abrasion and weather resistance. DC740 Convey Red Oxide Primer is supplied with a semigloss finish for a tighter and more durable film.

PROPERTIES: COLOR..... Red Oxide
 SOLIDS(Weight)..... 49 - 53%
 THEORETICAL COVERAGE*..... 532 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
 VOLATILE ORGANIC COMPOUNDS(VOC)..... 170 G/L
 *Dry times are affected by temperature.
 WEIGHT/GAL..... 10.5 - 10.7 lbs/gal
TEMPERATURE RESISTANCE..... Up to 300 degrees F

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
DC740 SG RED OXIDE PRIMER
740R05 CONVEY RED OXIDE
PAGE 2 OF 2

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

APPLICATION & REDUCTION:

Griggs DC740 Convey SG Red Oxide Primer can be applied by brush, roll or spray.

For brushing and rolling, use as is or thin with Water as needed.

For spraying, thin up to 15% or as needed with 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 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
DC740 AGATE BROWN OXIDE PRIMER
PAGE 1 OF 2

PRODUCT: A water-base, high-solids primer for ferrous metal. Griggs Agate Brown Oxide Primer is a single-component, modified alkyd coating formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant primer designed for ferrous and non-ferrous metal. Griggs Agate Brown Oxide Primer is a high solids product that offers superior adhesion and abrasion resistance. Agate Brown Oxide Primer is fast dry, easy to use and compatible with virtually all industrial topcoats. Formulated with the environment in mind, Agate Brown Oxide Primer is a low "VOC" product that uses water to clean up.

PROPERTIES: COLOR..... Brown Oxide
 SOLIDS(Weight)..... 47 - 50%
 MATERIAL "VOC"..... 254 G/L
 THEORETICAL COVERAGE..... 502 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..... 10.5 - 10.7 lbs/gal
SALT SPRAY..... 300+ Hours ASTM STD. B117
TEMPERATURE RESISTANCE..... Up to 250 degrees F

ADVANTAGES: (1). Low Volatile Organic Compound Content
 (2). Excellent Corrosion Resistance
 (3). Excellent Foundation
 (4). Extremely Abrasion Resistant
 (5). Water Reducible
 (6). Water Clean-Up
 (7). Low V.O.C.

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

TECHNICAL DATA SHEET
DC740 AGATE BROWN OXIDE PRIMER
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Agate Brown Oxide Primer 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.

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:

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 BUNGER RED OXIDE
PRIMER 740R24
PAGE 1 OF 2

PRODUCT: A water-base, high-solids primer for ferrous metal. Griggs Bunger Red Primer is a single-component, modified alkyd coating formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant primer designed for ferrous and non-ferrous metal. Griggs Bunger Red Primer is a high solids product that offers superior adhesion and abrasion resistance. Bunger Red Primer is fast dry, easy to use and compatible with virtually all industrial topcoats. Formulated with the environment in mind, Bunger Red Primer is a low "VOC" product that uses water to clean-up.

PROPERTIES: COLOR..... Bunger Red
 SOLIDS(Weight)..... 47 - 50%
 MATERIAL "VOC"..... 254 G/L
 THEORETICAL COVERAGE..... 502 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..... 10.5 - 10.7 lbs/gal
SALT SPRAY..... 300+ Hours ASTM STD. B117
TEMPERATURE RESISTANCE..... Up to 250 degrees F

ADVANTAGES: (1). Low Volatile Organic Compound Content
 (2). Excellent Corrosion Resistance
 (3). Excellent Foundation
 (4). Extremely Abrasion Resistant
 (5). Water Reducible
 (6). Water Clean-Up
 (7). Low V.O.C.

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

**TECHNICAL DATA SHEET
DC740 BUNGER RED OXIDE
PRIMER 740R24
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs Bunger Red Primer 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.

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:

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 RATMOORE #4 WHITE
WATER REDUCIBLE PRIMER
PAGE 1 OF 2**

PRODUCT: A water-base, rust-resistant primer for ferrous metal. DC740 Ratmoore #4 White Primer is a single-component, modified alkyd coating formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. DC740 Ratmoore #4 White Primer is lead-free and has an extremely low VOC content. This primer offers excellent "wetting" of the steel in addition to excellent abrasion and weather 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. Environmentally friendly water-reducible formulation.

1. PROPERTIES: COLOR..... White
SOLIDS(Weight)..... 45 - 47%
THEORETICAL COVERAGE..... 487 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..... 10.2 lbs/gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

ADVANTAGES: (1). Low Volatile Organic Compound Content
(2). Excellent Corrosion Resistance
(3). Excellent Foundation.
(4). Extremely Abrasion Resistant
(5). Water Reducible
(6). Water Clean-Up
(7). Low V.O.C.

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

TECHNICAL DATA SHEET
DC740 RATMOORE #4 WHITE
WATER REDUCIBLE PRIMER
PAGE 2 OF 2

APPLICATION & REDUCTION:

DC740 Ratmoore #4 White Primer 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.

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 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 ABLE WHITE PRIMER
WATER REDUCIBLE PRIMER
PAGE 1 OF 3**

PRODUCT: A water-base, rust-resistant primer for ferrous metal. DC740 ABLE WHITE PRIMER is a single-component, water reducible alkyd, formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. DC740 ABLE WHITE PRIMER is lead-free and has an extremely low VOC content. This primer offers excellent "wetting" of the steel in addition to excellent abrasion and weather 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. Environmentally friendly water-reducible formulation.

PROPERTIES: COLOR..... White
SOLIDS(Weight)..... 45 - 47%
THEORETICAL COVERAGE..... 587 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..... 10.2 lbs/gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

ADVANTAGES: (1). Low Volatile Organic Compound Content
(2). Excellent Corrosion Resistance
(3). Excellent Foundation.
(4). Extremely Abrasion Resistant
(5). Water Reducible
(6). Water Clean-Up
(7). Low V.O.C.

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

TECHNICAL DATA SHEET
DC740 ABLE WHITE PRIMER
WATER REDUCIBLE PRIMER
PAGE 2 OF 3

APPLICATION & REDUCTION:

DC740W35 ABLE WHITE PRIMER 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. Under cold conditions use 1 qt./5 gal. secondary butanol.

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 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 ABLER WHITE PRIMER
WATER REDUCIBLE PRIMER
PAGE 3 OF 3

PERFORMANCE CRITERIA:

ABRASION: ASTM D 4060, 500 gm. Load, CS-17 Wheel, Does not exceed 30 mg. loss after 500 cycles.

ADHESION: ASTM D 3359, Method B (crosshatch adhesion).
Pass 5B rating.

SALT SPRAY: ASTM B 117, No blistering, cracking, softening or delamination of film. No rust at scribe and no rusting at edges after 500 hrs.

STANDARDS: Meets or exceeds performance requirements of Federal Specification TT-P-86D, Type I and II.

TECHNICAL DATA SHEET
DC740 ADOT #2 PRIMER
740W80 OFF WHITE
PAGE 1 OF 2

PRODUCT: A water-base, high-solids ADOT primer for ferrous metal. DC740 Primers are single- component, modified alkyd coatings formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. DC740 primers are lead-free and have an extremely high solids content. These primers offer excellent "wetting" of the steel in addition to excellent abrasion and weather 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..... Off White
 SOLIDS(Volume)..... 38%
 THEORETICAL COVERAGE..... 609 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..... 11.2 lbs/gal
TEMPERATURE RESISTANCE..... Up to 250 degrees F

ADVANTAGES: (1). Low Volatile Organic Compound Content
 (2). Excellent Corrosion Resistance
 (3). Excellent Foundation.
 (4). Extremely Abrasion Resistant
 (5). Water Reducible
 (6). Water Clean-Up
 (7). Low V.O.C.

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

**TECHNICAL DATA SHEET
DC740 ADOT #2 PRIMER
740W80 OFF WHITE
PAGE 2 OF 2**

APPLICATION & REDUCTION:

DC740 ADOT #2 Off White Primer 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.

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 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
P-415A-66 EPOXY #34151
GREEN PRIMER W/C-415A-66
CONVERTER

PRODUCT DESCRIPTION:

One type of two-component epoxy based primer for Garrett. This product is specifically formulated for corrosion control of metals.

TYPICAL PROPERTIES:

- (1). COLOR..... #34151 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:** 9.45 lbs/gal(admixed)
- (9). **SOLIDS(Volume):** 34-36%
- (10). **SPRAYING VISCOSITY:** 16-20 Seconds #2 Zahn Cup.

APPLICATION AND REDUCTION:

P-415A-66 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.

TECHNICAL DATA SHEET
100% ACRYLIC PRIMER
PAGE 1 OF 2

PRODUCT: A waterbase 100% acrylic latex primer for a variety of substrates. May be used under topcoats such as alkyds, oils, acrylic or latex paints.

DESCRIPTION: A specially formulated 100% acrylic latex primer that adheres tightly to the surface and forms an excellent base for topcoats. May be used on many types of surfaces including wood, concrete, masonry, stucco and drywall. Griggs 301W34 Primer may be topcoated with alkyds, oil base paints or latex paints.

PROPERTIES:

COLOR.....	White
SOLIDS(Weight).....	45 - 47%
SOLIDS(Volume).....	32 - 34%
THEORETICAL COVERAGE.....	300 - 325 sq.ft./gal
DRYING TIME-AT 75 DEGREES F:	
TO TOUCH.....	60 Minutes
TO RECOAT.....	2 - 4 Hours
TO TOPCOAT.....	4 - 6 Hours
VEHICLE TYPE.....	Acrylic Latex

ADVANTAGES:

- (1). Seals Porous Surface.
- (2). Excellent Enamel Hold-Out.
- (3). Water-Base.
- (4). Excellent Adhesion.

USES:

- (1). Wood.
- (2). Concrete.
- (3). Masonry.
- (4). Stucco
- (5). Wood Trim and Sash.

TECHNICAL DATA SHEET
100% ACRYLIC PRIMER
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs 100% Acrylic Primer may be thinned with water if necessary. Use at packaged consistency for most applications. May be applied by brush, roll or spray.

SURFACE PREPARATION:

Surface must be clean and free of grease, oil, chalk, dust, and other contaminants. For wood surfaces, putty or caulk all holes, dents, scratches and splits before application of primer.

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 PRIMER
612A #34151 GREEN
PAGE 1 OF 2

PRODUCT: A two-component epoxy/polyamine primer.

DESCRIPTION: Griggs Epoxy/Polyamine Primer 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 primer is required. This coating is available in a 1:1 mixture for spray, brush and roll applications. LOW-VOC epoxy primer 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.

PROPERTIES:

SOLIDS(Weight).....	61 +/- 2%
SOLIDS(Volume).....	50 +/- 2%
VISCOSITY(A+B).....	80 +/- 10 KU
COLORS.....	Green #
POT LIFE.....	8-12 Hrs @ 77 DEG. F.
TACK FREE.....	3 Hrs @ 77 DEG. F.
RECOAT.....	Overnight*
LIGHT SERVICE.....	24 Hours*
FULL SERVICE.....	7 Days*

ADVANTAGES:

- (1). Chemical Resistant
- (2). Excellent Primer
- (3). Equal Volume System
- (4). Abrasion Resistant
- (5). Resistant to Corrosive Fumes

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

TECHNICAL DATA SHEET
EPOXY POLYAMINE PRIMER
612A #34151 GREEN
PAGE 2 OF 2

SURFACE PREPARATION: Surface to be coated must be clean, dry, and free of all foreign contaminants including; grease, oil, dirt, loose paint or curing compounds.

MIXING INSTRUCTIONS: Transfer an equal volume of part A (Epoxy Component) and part B (Amine Component) into a clean metal container of adequate size to permit mixing of the two components to a uniform color and consistency. Transfer mixed material into another clean metal container and remix to a uniform color and consistency. This technique will insure that the two components are adequately mixed and free of uncatalyzed epoxy resin.

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
612A #34151 GREEN OR AS
REQUIRED EPOXY PRIMER**

PRODUCT DESCRIPTION:

One type of two-component epoxy based primer for Garrett. This product is specifically formulated for corrosion control of metals.

TYPICAL PROPERTIES:

- (1). COLOR..... #34151 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:** 11.81 lbs/gal(admixed)
- (9). **SOLIDS(Weight):** 65-67%
- (10). **SPRAYING VISCOSITY:** 16-20 Seconds #2 Zahn Cup.

APPLICATION AND REDUCTION:

612A 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.

TECHNICAL DATA SHEET
INTERIOR ALKYD UNDERCOAT
PAGE 1 OF 2

PRODUCT: An oilbase alkyd undercoater for interior wood surfaces. May be used under topcoats such as alkyds, oils or latex paints.

DESCRIPTION: An alkyd-base wood undercoat primer for interior wood surfaces. This product features excellent penetration which results in good adhesion and sealing properties. The dried film may be sanded before applying a topcoat finish. Griggs Interior Alkyd Primer can be topcoated with alkyd or latex base paints.

PROPERTIES: COLOR..... White
 SOLIDS(Weight)..... 71 - 74%
 SOLIDS(Volume)..... 48 - 51%
 THEORETICAL COVERAGE..... 750 sq.ft./gal*
DRYING TIME-AT 75 DEGREES F:
 TO TOUCH..... 2 - 3 Hours
 TO RECOAT..... 14 - 16 Hours
 VEHICLE TYPE..... Alkyd
 *Coverage @ 1 Mil Dry Film.

ADVANTAGES: (1). Seals Porous Surface.
 (2). Excellent Enamel Hold-Out.
 (3). Easily Sanded.
 (4). Excellent Adhesion.
 (5). Topcoated with Alkyd or Latex.

USES: (1). Wood Doors.
 (2). Wood Cabinets.
 (3). Wood Trim.
 (4). Wood Furniture.

TECHNICAL DATA SHEET
INTERIOR ALKYD UNDERCOAT
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Interior Alkyd Undercoat Primer may be thinned with Mineral Spirits if necessary. Use at packaged consistency for most applications. May be applied by brush, roll or spray.

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:

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
AQUEOUS UNDERCOATER
PAGE 1 OF 2

PRODUCT: A waterbase acrylic latex primer formulated for exterior and interior use. May be used under topcoats such as alkyds, epoxies, oil or latex paints.

DESCRIPTION: A specially formulated acrylic latex primer designed for interior and exterior use. It adheres tightly to the surface and forms an excellent base for topcoats. May be used on many types of wood including pine, plywood, fir and siding. Aqueous Undercoater may be topcoated with alkyds, epoxies, oil base paints or latex paints. Dries to a uniform flat finish.

PROPERTIES:

COLOR.....	White
SOLIDS(Weight).....	63 - 65%
SOLIDS(Volume).....	43 - 45%
THEORETICAL COVERAGE.....	450 sq.ft./gal
DRYING TIME-AT 75 DEGREES F:	
TO TOUCH.....	60 Minutes
TO RECOAT.....	2 - 6 Hours
TO TOPCOAT.....	6 - 8 Hours
VEHICLE TYPE.....	Acrylic Latex

ADVANTAGES:

- (1). Seals Porous Surface.
- (2). Excellent Enamel Hold-Out.
- (3). Water-Base.
- (4). Excellent Adhesion.

USES:

- (1). Wood.
- (2). Sheet Rock.
- (3). Concrete.
- (4). Stucco.
- (5). Wood Trim.

**TECHNICAL DATA SHEET
AQUEOUS UNDERCOATER
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Tempe Paints Aqueous Undercoater may be thinned with water if necessary. Use at packaged consistency for most applications. May be applied by brush, roll or spray.

SURFACE PREPARATION:

Surface must be clean and free of grease, oil, chalk, dust, and other contaminants. Putty or caulk all holes, dents, scratches and splits after application of primer.

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 RATMOORE PRIMER
PAGE 1 OF 2

PRODUCT: A lead-free , high-solids water-reducible alkyd primer for ferrous metal. Ratmoore primers are single-component modified alkyd coatings formulated for maximum rust prevention. DC740 Ratmoore is a water thinnable and low V.O.C. primer.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. Ratmoore primers are lead free and have an extremely high solids content. These primers 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..... Gray, Red & White
 SOLIDS(Weight)*..... 49 - 53%
 THEORETICAL COVERAGE*..... 845 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
 VOLATILE ORGANIC COMPOUNDS(VOC)..... 185 G/L
 *Dry times are affected by temperature.
 WEIGHT/GAL*..... 10.5 - 11.8 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
DC740 RATMOORE PRIMER
PAGE 2 OF 2

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

APPLICATION & REDUCTION:

Griggs Ratmoore Primers 740 Series can be applied by brush, roll or spray.

For brushing and rolling, use as is or thin with Water as needed. For spraying, thin up to 15% or as needed with 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 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
EPOXY ELASTOMERIC SEALER
PAGE 1 OF 2**

PRODUCT: A two-component elastomeric epoxy sealer.

DESCRIPTION: Griggs Elastomeric Epoxy Sealer is a two- component chemically cured product that forms a film that is resistant to chemicals, solvents, water and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, elastomeric sealer is required. This sealer is available in a 1:1 mixture for spray, brush or roll applications. It may be used on many different substrates including metal, wood, masonry, cement, plaster walls and steel. It serves as an excellent barrier due to its unique modified epoxy formulation.

PROPERTIES:

SOLIDS(Weight).....	44 - 46%
SOLIDS(Volume).....	40 - 42%
VISCOSITY.....	50 - 60 KU
COLOR.....	Full Range
POT LIFE(77 degrees F).....	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
EPOXY ELASTOMERIC SEALER
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 POOL PAINT
PRIMER WHITE PAGE
1 OF 2**

PRODUCT: A two-component elastomeric, epoxy coating.

DESCRIPTION: Griggs Epoxy Pool Paint Primer is a two- component chemically cured product that forms a film that is resistant to water, chemicals, solvents and abrasion. This product has excellent penetration and adhesion to aged and deteriorating plaster, fiberglass and concrete surfaces. This coating is available in a 1:1 mixture for spray, brush and roll applications. This coating can be topcoated with chlorinated rubber, epoxy and other pool paints.

PROPERTIES:

SOLIDS(Weight).....	58 - 60%*
SOLIDS(Volume).....	48 - 50%*
VISCOSITY.....	50 - 60 KU*
COLOR.....	White
POT LIFE(77 degrees F).....	6 - 8 Hours**
TACK FREE.....	2 Hours**
RECOAT.....	8 - 24 Hours**

* Admixed values.

** 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 POOL PAINT
PRIMER WHITE 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 by water blasting. An acid wash with a muriatic acid solution is also recommended if water blasting is not available.

DIRECTIONS FOR USE: Mix equal volumes of Part A and B after thoroughly mixing each component. Mixing ratio is 1:1 by volume. Reduce with Griggs J-377 Thinner. Add 1 quart of thinner to each gallon of admixed material. Use mixture within 6 - 8 hours, depending on temperature. Must be topcoated within 24 hours of application of primer. For further information, please contact Griggs Paint technical staff at 602-243-3293.

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 PRIMER
HI-BUILD
PAGE 1 OF 2

PRODUCT: A two-component hi-build epoxy polyamine primer.

DESCRIPTION: Griggs Epoxy Polyamine Primer 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 primer is required. This primer is available in a 1:1 mixture for spray, brush and roll applications. HI-BUILD epoxy primer is rust 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.

PROPERTIES:

SOLIDS(Weight).....	66 - 68%		
SOLIDS(Volume).....	51 - 53%		
VISCOSITY.....	70 - 90 KU		
COLOR.....	Red Oxide		
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.....	340 g/l		
COVERAGE RATES:	DRY	WET	SQFT/GAL
SUGGESTED.....	4.0	6.0	260
MINIMUM.....	3.0	4.5	346
MAXIMUM.....	5.0	7.2	217

** 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). Industrial Primer
- (3). Meets ASTM Standard Tests
- (4). Abrasion Resistant
- (5). Resistant to Corrosive Fumes

**TECHNICAL DATA SHEET
EPOXY POLYAMINE PRIMER
HI-BUILD
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 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
LATEX SEGO-ACRYLIC PRIMER
PAGE 1 OF 2

PRODUCT: A modified acrylic primer designed for priming masonry surfaces, galvanized iron and wood.

DESCRIPTION: A specially formulated modified acrylic primer designed to be used as a primer on various surfaces. This acrylic primer may be applied to masonry, concrete, galvanized iron, brick, wood, & other surfaces. This product has been formulated to give an excellent foundation for finish coats.

PROPERTIES: COLOR..... Custom upon request
 SOLIDS(Weight)..... 50 - 60%
 THEORETICAL COVERAGE..... 250 - 400 sq.ft/gal
 DRY FILM THICKNESS..... 1.5 mils @ 350 sq.ft./gal
DRYING TIME-AT 75 DEGREES F:
 TO TOUCH..... 30 Minutes
 TO RECOAT..... 2 Hours
 VEHICLE TYPE..... Modified Acrylic
 GLOSS..... 5-15 @ 60 Degrees

ADVANTAGES: (1). Early Water Resistance.
 (2). Resistant to wind driven rain.
 (3). Meets MIL-P-28577B
 (4). Water Stain Resistant.
 (5). Superior Exterior Durability.

USES: (1). Exterior Surfaces Exposed to Sun or Wind Driven Rain.
 (2). Carports Ceilings
 (3). Galvanized Metal Roofing.
 (4). May Be Used As A Vapor Barrier.

TECHNICAL DATA SHEET
LATEX SEGO-ACRYLIC PRIMER
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Sego-Acrylic Primer 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 Latex Sego-Acrylic.

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
LATEX PRIMER WHITE
PAGE 1 OF 2

PRODUCT: A vinyl acrylic primer designed for priming masonry surfaces.

DESCRIPTION: A specially formulated vinyl acrylic primer designed to be used as a primer on all masonry surfaces. This vinyl primer may be applied to stucco, concrete, plaster, drywall, brick, composition board, etc. This product has been formulated to give an excellent foundation for finish coats.

PROPERTIES: COLOR..... White
 SOLIDS(Weight)..... 50 - 60%
 THEORETICAL COVERAGE..... 250 - 400 sq.ft/gal
 DRY FILM THICKNESS..... 1.5 mils @ 350 sq.ft./gal
DRYING TIME-AT 75 DEGREES F:
 TO TOUCH..... 30 Minutes
 TO RECOAT..... 1 Hour
 VEHICLE TYPE..... Vinyl Acrylic
 WEIGHT/GAL..... 9.5 - 10.0 lbs

ADVANTAGES: (1). Seals Porous Surface.
 (2). Excellent Enamel Hold-Out.
 (3). Water-Base.
 (4). Penetrates for Sound Foundation.

USES: (1). Masonry
 (2). Plaster.
 (3). Block.
 (4). Concrete
 (5). Brick

**TECHNICAL DATA SHEET
LATEX PRIMER WHITE
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs Vinyl Acrylic Primer 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.

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
MIL-P-23377F TYI & TYII
EPOXY POLYAMIDE PRIMER**

PRODUCT DESCRIPTION:

A two-component epoxy-polyamide, strontium chromate primer 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. Class 2 is hi-solids formulation, Type II is used for low infrared reflective needs.

TYPICAL PROPERTIES:

- (1). **COLORS**..... TY.I-Yellow, TY.II-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. Thin with MIL-T-81772B TY.II if necessary. 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.

**TECHNICAL DATA SHEET
MIL-P-23377G CLASS C
EPOXY POLYAMIDE PRIMER**

PRODUCT DESCRIPTION:

A two-component, low VOC, high build, strontium chromate type epoxy-polyamide primer 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.

TYPICAL PROPERTIES:

- (1). **COLORS**.....TY.I YELLOW, TY.II DK.GREEN
- (2). **SHELF LIFE**..... 1 Year From Date of Mfg
- (3). **DRYING TIME:**
Tack-Free: Within 5 Hours
Dry Hard: Within 8 Hours
- (4). **POT LIFE:** 4 hours
- (5). **Maximum VOC:**..... 340 g/l (2.8 lbs/gal)

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. Thin with MIL-T-81772B TY.II if necessary. 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. Brush and roll small areas only, as spraying is the recommended application method.

**TECHNICAL DATA SHEET
ZINC DUST PRIMER
MIL-P-26915B CL.B
PAGE 1 OF 2**

PRODUCT: A lead-free, high-solids zinc-dust primer for steel surfaces. This primer is compatible with aliphatic polyurethane and enamel topcoats such as MIL-C-83286B and MIL-C-85285C.

DESCRIPTION: An organic type paint which produces a film containing high metallic zinc in contact with the steel. Like galvanizing, this zinc is electrically conductive, thereby preventing corrosion electrochemically. It is also suitable as a finish coat on all ferrous and galvanized surfaces. Available in only in Class B, two-component, Type I or Type II.

PROPERTIES: COLOR..... Gray
SOLIDS(Weight)..... 83.5%
THEORETICAL COVERAGE..... 1000-1015 mil sq.ft/gal
DRY FILM THICKNESS..... 2.5 to 3.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
TYPE I - AIR DRY/DUST FREE..... 20 Minutes
TYPE I - AIR DRY/THROUGH 1 Hour
TYPE II - BAKING..... AIR DRY 20 Mins-BAKE 1 Hour
VEHICLE TYPE..... Modified Alkyd
WEIGHT/GAL..... 20.3 Lbs

ADVANTAGES: (1). Meets Steel Structures Painting Council (S.S.P.C.) requirements.
(2). High Zinc Content.
(3). Provides Galvanic Protection to Steel.
(4). Excellent Corrosion Resistance
(5). Excellent Foundation
(6). Extremely Abrasion Resistant

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

**TECHNICAL DATA SHEET
ZINC DUST PRIMER
MIL-P-26915B CL.B
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs MIL-P-26915B TY.I, CL.B Zinc Dust Primer can be applied by brush, roll or spray. Thin Type I with Synthetic Reducer or Xylene up to one pint per gallon or needed for proper atomization. Thin Type II with Griggs Baking Reducer up to one pint per gallon or as needed for proper atomization.

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.

MIXING INSTRUCTIONS FOR CLASS B:

Combine 1 gallon of vehicle to pre-measured gallon of zinc dust by slowly mixing the zinc dust portion into the vehicle while under constant agitation. Mix thoroughly to disperse any lumps of zinc dust that may form while combining. After complete mixing, strain the admixed material before application.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

CAUTION: Combined material may form gas and bulge container. 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-46105 ZINC RICH PRIMER
PAGE 1 OF 2

PRODUCT: A single package, heat convertible/curing epoxy-based, zinc-rich primer for use on ferrous metal surfaces prior to spot welding. Protects steel galvanically, thus preventing below film corrosion.

DESCRIPTION: A high zinc content, heat curable epoxy primer formulated for excellent characteristics over a wide range of chemical and atmospheric conditions. Typical uses: Underground pipes, off shore drilling rigs (above splash zone), water lines, refineries, structural steel and severe corrosive and chemical environments.

PROPERTIES: COLOR..... Gray
 PIGMENT(Weight)..... 75% Minimum
 VOLATILES(Weight)..... 20% Maximum
 THEORETICAL COVERAGE..... 225 sq.ft.@ 2 mil
 FILM THICKNESS..... 2.5 to 3.0 mils p/coat
DRYING TIME-AT 75 DEGREES F
 TO TOUCH..... Within 10 Minutes
 DRY HARD..... Within 20 Minutes
 BAKE HARD..... 15 Minutes @ 300 Deg F
 WEIGHT/GAL (Combined)..... 19 lbs min.
 Pigment Type..... Metallic Zinc Dust
 VEHICLE TYPE..... Heat Curable Epoxy

TOPCOATS: Acrylics, Alkyds, Chlorinated Rubber, and many other maintenance coatings, **consult your Griggs Paint Technical Rep.**

USES: (1). Underground Pipes
 (2). Off Shore Rigs (Above splash zones)
 (3). Water Lines
 (4). Severe Corrosive Environments
 (5). Refineries
 (6). Tank Exteriors
 (7). Structural Steel

TECHNICAL DATA SHEET
MIL-P-46105 ZINC RICH PRIMER
PAGE 2 OF 2

APPLICATION:

Mix contents of zinc dust component(20 pounds) into gallon of epoxy base **very slowly** while stirring. Strain mixture after thoroughly combining zinc dust and base. A power mixer is recommended in order to avoid "lumping" of the zinc dust powder. Spray is the best method of application. Use air spray with agitated pressure pot or airless spray with continuous material mixing setup. Use brush for touch up and small areas only. Reduce with T-4410 Thinner, approximately 1 pint of thinner to 1 gallon of mixed primer.

SURFACE PREPARATION: FERROUS METAL

SSPC-SP6 Commercial Blast or SSPC-SP10 Near White Blast. If drying time prior to recoating exceeds 48 hours at temperatures above 70 Degrees F, the dry coating must be brush-sandblasted to achieve proper adhesion of new coat. Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting (SSPC-SP6) and primed the same day.

PRECAUTIONS:

Contents are Flammable

Store inside @ 78 F. out of direct sunlight. Keep away from heat and open flame.

Shelf life 6-9 months from date of Mfg.

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-53022B EPOXY PRIMER**

PRODUCT DESCRIPTION:

A fast drying, two component, corrosion inhibiting, lead and chromate free epoxy primer. Meets air pollution requirements (Rule 102) and may be used to replace MIL-P-52192 and MIL-P-23377 where exposure to lead or chromate pigments is not permitted.

TYPICAL PROPERTIES:

- (1). **COLORS**..... White & #26622 Gray
- (2). **TOTAL SOLIDS**..... 60% Minimum
- (3). **PIGMENT**..... 38% Minimum
- (4). **VEHICLE SOLIDS**..... 22% Minimum
- (5). **Excellent Corrosion Resistance**
- (6). **Excellent Solvent, Chemical and Heat Resistance.**
- (7). **GLOSS**..... 10 - 30%
- (8). **DRY-TO-TOUCH**..... Within 5 Minutes
- (9). **DRY HARD**..... Within 90 Minutes
- (10). **DRY THROUGH**..... Within 4 Hours
- (11). **VISCOSITY**..... 63 - 73 KU

APPLICATION AND REDUCTION:

MIL-P-53022B is normally applied over well cleaned, bare substrates. Mix FOUR PARTS epoxy primer with ONE PART of the catalyst provided in the kit. Allow 30 to 45 minutes 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 5 minutes, to handle in 90 minutes. For brushing and rolling, thin with MIL-T-81772B Type 2 as needed for proper flow and ease of application not to exceed 1 pint per gallon.

**TECHNICAL DATA SHEET
MIL-P-53030A PRIMER
WATER REDUCIBLE EPOXY
PAGE 1 OF 2**

DESCRIPTION: A two component, air dry, water reducible epoxy type primer for ferrous and non-ferrous metals. Compatible with chemical agent-resistant aliphatic polyurethane topcoats. Griggs MIL-P-53030A Primer is lead and chromate free. Meets SCAQM District Rule 1107 for volatile organic compounds content. This primer features water thinning and clean-up, but has comparable properties to many solvent base epoxy primers.

PROPERTIES:

COLORS..... White & Gray
 GLOSS..... Flat - Low Sheen
 VEHICLE..... Epoxy
 TOTAL SOLIDS..... 70% Min
 GLOSS..... 25% Max
 POT LIFE(@70 Degrees F,thinned)..... *6 Hrs
 DRY-TO-TOUCH..... *45 Minutes
 DRY HARD..... *2 Hours
 FULL HARD..... *24 Hours
 *(All pot life and dry times will be affected by
 temperatures.)

TYPICAL USES:

- (1). Steel
- (2). Aluminum
- (3). Bridges
- (4). Towers
- (5). Equipment

CHARACTERISTICS:

- (1). Water Clean-up
- (2). Excellent Adhesion
- (3). Low V.O.C. Content
- (4). Air Dry

**TECHNICAL DATA SHEET
MIL-P-53030A PRIMER
WATER REDUCIBLE EPOXY
PAGE 2 OF 2**

APPLICATION & REDUCTION: Griggs MIL-P-53030A 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 Part A (Pigmented Component) to 1 part Part B (Clear Component) by volume. Thoroughly mix then add tap water as required for proper flow if brushing & proper atomization if spraying. If retarder 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, grease, cleaners, loose paint or rust. If recoating an epoxy primer, 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.

KEEP FROM FREEZING

**TECHNICAL DATA SHEET
MIL-PRF-23377G CLASS C
EPOXY POLYAMIDE PRIMER**

PRODUCT DESCRIPTION:

A two-component, low VOC, epoxy-polyamide primer 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.

TYPICAL PROPERTIES:

- (1). **COLORS**..... TY.I YELLOW, TY.II DK.GREEN
- (2). **SHELF LIFE**..... 1 Year From Date of Mfg
- (3). **AIR DRYING TIME:**
Tack-Free: Within 5 Hours
Hour Dry Hard: Within 8 Hours
- (4). **POT LIFE**:..... 4 hours
- (5). **Maximum VOC**:..... 340 g/l (2.8 lbs/gal)
- (6). **CLASS C** - Strontium Chromate pigment

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. Thin with MIL-T-81772B TY.II if necessary. 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.

TECHNICAL DATA SHEET
ZINC DUST PRIMER
MIL-PRF-26915D TY.I, CL.A
PAGE 1 OF 2

PRODUCT: A lead-free, high-solids zinc-dust primer for steel surfaces. This primer is compatible with aliphatic polyurethane and enamel topcoats such as MIL-C-85282C.

DESCRIPTION: An organic type primer, with reduced volatile organic compounds, which produces a film containing high metallic zinc in contact with the steel. Like galvanizing, this zinc is electrically conductive, thereby preventing corrosion electro-chemically. It is also suitable as a finish coat on all ferrous and galvanized surfaces. Available in only in two-component packaging separating the vehicle and dust parts.

PROPERTIES: COLOR..... Gray
 SOLIDS(Weight)..... 83.5%
 THEORETICAL COVERAGE..... 1000-1015 mil sq.ft/gal
 DRY FILM THICKNESS..... 2.5 to 3.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
 TO HANDLE..... 20 Minutes
 TO RECOAT..... 1 Hours
 VEHICLE TYPE..... Modified Alkyd
 WEIGHT/GAL..... 20.3 Lbs

ADVANTAGES: (1). Meets Steel Structures Painting Council (S.S.P.C.) requirements.
 (2). High Zinc Content.
 (3). Provides Galvanic Protection to Steel.
 (4). Excellent Corrosion Resistance
 (5). Excellent Foundation
 (6). Extremely Abrasion Resistant

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

**TECHNICAL DATA SHEET
ZINC DUST PRIMER
MIL-PRF-26915D TY.I, CL.A
PAGE 2 OF 2**

APPLICATION & REDUCTION:

Griggs MIL-PRF-26915D TY.I, CL.A Zinc Dust Primer can be applied by brush, roll or spray. For brushing and rolling, use as is or thin with TT-T-306C reducer, For spraying, thin up to 10% or as needed for proper atomization with TT-X-916 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.

MIXING INSTRUCTIONS FOR CLASS B:

Combine 1 gallon of vehicle to pre-measured gallon of zinc dust component by slowly mixing the zinc dust portion into the vehicle while under constant agitation. Mix thoroughly to disperse any lumps of zinc dust that may form while combining. After complete mixing, strain the admixed material before application.

PRECAUTIONS:

Contents are FLAMMABLE.

Keep away from heat and open flame.

KEEP OUT OF THE REACH OF CHILDREN.

CAUTION: Combined material may form gas and bulge container. 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
WATERBORNE EPOXY PRIMER
MIL-PRF-85582D
PAGE 1 OF 2**

PRODUCT: A two-component, waterborne hi-solids epoxy primer.

DESCRIPTION: Griggs MIL-PRF-85582D Epoxy Primer is a two-component chemically cured water-borne primer that forms a film that is resistant to chemicals, solvents, moisture, and abrasion. This product has excellent adhesion to most substrates and is recommended for use as a primer under aliphatic polyurethane topcoats in aerospace applications. This coating is available in a 1:1 mixture for spray, brush and roll applications. MIL-P-85582D epoxy primer is rust inhibitive and chemical resistant with excellent abrasion resistance. Available in Class "C2", Chromate rust inhibitor formulation and in Class "N", Non-Chromate rust inhibitor formulation in both Types I, Standard color number 34151 Light Green and in Type II, Low Infrared Reflective, color number 34052 Dark Green. Not available in Type "C1".

PROPERTIES:

SOLIDS(Weight).....	70% Minimum
SOLIDS(Pigment).....	50% Minimum
THIN WITH.....	Water
COLORS.....	34151 & 34052 Green
POT LIFE(77 degrees F).....	4 - 6 Hours*
TACK FREE.....	1 Hours*
DRY HARD.....	6 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). Excellent Primer
- (3). Meets ASTM Standard Tests
- (4). Abrasion Resistant
- (5). Resistant to Corrosive Fumes
- (6). Water Thinnable
- (7). Low "VOC"

TECHNICAL DATA SHEET
WATERBORNE EPOXY PRIMER
MIL-PRF-85582D
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. Abrasive blasting is recommended where applicable. 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.

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 30 minutes before using. Thin with distilled water or clean tap water if necessary. Apply a mist coat and allow to dry 30 minutes. Apply a second coat to a total dry film thickness of 0.6 to 0.9 mils.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

KEEP FROM FREEZING, CONTAINS WATER.

TECHNICAL DATA SHEET
P-415A-66 EPOXY #34151
GREEN PRIMER FP5025 TY.I,
CL.A,E,C MCS9010

PRODUCT DESCRIPTION:

One type of two-component epoxy based cati-coat primer for Garrett. This product is specifically formulated for corrosion control of metals.

TYPICAL PROPERTIES:

- (1). COLOR.....#34151 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:** 9.45 lbs/gal(admixed)
- (9). **SOLIDS(Volume):** 34-36%
- (10). **SPRAYING VISCOSITY:** 16-20 Seconds #2 Zahn Cup.

APPLICATION AND REDUCTION:

P-415A-66 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.

TECHNICAL DATA SHEET
RATMOORE PRIMERS 200LCF SERIES
PAGE 1 OF 2

PRODUCT: A lead-free , high-solids phenolic-alkyd primer for ferrous metal. Ratmoore Primers are single-component, modified alkyd coatings formulated for maximum rust prevention.

DESCRIPTION: A highly rust-resistant primer for ferrous metal. Ratmoore primers are lead and chromate free with high solids content. These primers offer excellent "wetting" of the steel in addition to excellent abrasion and weather resistance. Re-formulated for lower VOC content.

PROPERTIES: COLOR..... Ratmoore Red #2
 SOLIDS(Weight)*..... 75%
 THEORETICAL COVERAGE*..... 400-600 sq.ft/gal
 DRY FILM THICKNESS..... 2.0 to 3.5 mils p/coat
DRYING TIME-AT 75 DEGREES F:
 TO TOUCH..... 30 Minutes
 TO RECOAT..... 2 To 4 Hours
 VEHICLE TYPE..... Phenolic Alkyd
 VOLATILE ORGANIC COMPOUNDS(VOC)..... 403 G/L
 WEIGHT/GAL*..... 13.6 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

TECHNICAL DATA SHEET
RATMOORE PRIMERS 200LCF SERIES
PAGE 2 OF 2

APPLICATION & REDUCTION:

Griggs Ratmoore Primers 200LCF Series can be applied by brush, roll or spray.

For brushing and rolling, use as is or thin with Mineral Spirits. 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 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-P-1757A
ZINC CHROMATE PRIMER
PAGE 1 OF 2

PRODUCT: A low-moisture sensitivity, corrosion-inhibiting zinc chromate primer.

DESCRIPTION: TT-P-1757A Zinc Chromate Primer per is a single component, zinc-chromate pigmented, low-moisture sensitivity primer primarily intended for spray application on surface treated aluminum or surface treated with pre-treatment coatings MIL-C-8514C or DOD-P-15328D. This primer may be used with or without top coating. When suitable thinned, this primer may be used for dip or flow-coat application. Also available in Type II, aerosol cans.

PROPERTIES:

SOLIDS(Weight)..... 46% Minimum
 PIGMENT(Weight)..... 53% Minimum Zinc
 Chromate(Weight)..... 85% Minimum of Pigment
 COLORS.....Green & Yellow

DRYING TIME:

DRY HARD..... Within 15 Minutes
 GLOSS..... Not Over 6 Units
 SHELF LIFE.....1 Year
 THINNER..... MIL-T-81772B TY.III or TT-X-916

ADVANTAGES:

- (1). Corrosion Inhibiting
- (2). Use With or Without Topcoat
- (3). Fast Dry
- (4). Low-Moisture Sensitivity
- (5). Meets Government Specifications

TECHNICAL DATA SHEET
TT-P-1757A
ZINC CHROMATE PRIMER
PAGE 2 OF 2

SURFACE PREPARATION: *Steel, Non-Ferrous Metals & Galvanizing.*

Surface to be coated must be clean, dry, and free of all foreign contaminants including grease, oil, dirt and paint. Clean in accordance with SSPC-SP-1. Most metals should be sanded, except aluminum, which must have a base coat of pre-treatment wash primer MIL-C-8514C, followed by one wet coat of TT-P-1757A. Alloys that oxidize must be lightly sanded to remove all loose material. Dirt and dust are best removed with a stiff bristle brush and by compressed air. For exterior use and non-ferrous metals, it is recommended that TT-P-1757A be applied over pre-treatment coating conforming to MIL-C-8514C or DOD-P-15328D. 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/APPLICATION INSTRUCTIONS:

Apply by spray, brush or dip to deposit a hiding coat of primer. A wet coat is necessary to secure maximum adhesion and corrosion inhibiting properties. For application by spray, thin one volume of packaged material with not more than 2-1/2 volumes of thinner per TT-X-916 or MIL-T-81772B TY.III. For dip or roller, thin 3 parts of packaged material with up to 5 parts of TT-X-916 or MIL-T-81772B TY.III 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
TT-P-1757B TY.I, CL.C
ZINC CHROMATE PRIMER
PAGE 1 OF 2

PRODUCT: A one-component, alkyd base, corrosion-inhibiting zinc chromate primer.

DESCRIPTION: TT-P-1757B Ty.I, Cl.C Zinc Chromate Primer is a single component, zinc-chromate pigmented, low-moisture sensitivity primer primarily intended for spray application on surface treated aluminum or surface treated with pre-treatment coatings MIL-C-8514C or DOD-P-15328D. This primer may be used with or without top coating. When suitable thinned, this primer may be used for dip or flow-coat application.

PROPERTIES:

SOLIDS(Weight).....	59% Minimum
FINENESS OF GRIND.....	6 Minimum Zinc
Chromate(Weight).....	85% Minimum of Pigment
COLORS.....	Green & Yellow
DRYING TIME:	
DRY HARD.....	Within 15 Minutes
THINNER.....	MIL-T-81772B TY.III
SHELF LIFE.....	1 Year

ADVANTAGES:

- (1). Corrosion Inhibiting
- (2). Use With or Without Topcoat
- (3). Fast Dry
- (4). Low-Moisture Sensitivity
- (5). Meets Government Specifications

TECHNICAL DATA SHEET
TT-P-1757B TY.I, CL.C
ZINC CHROMATE PRIMER
PAGE 2 OF 2

SURFACE PREPARATION: *Steel, Non-Ferrous Metals & Galvanizing.*

Surface to be coated must be clean, dry, and free of all foreign contaminants including grease, oil, dirt and paint. Clean in accordance with SSPC-SP-1. Most metals should be sanded, except aluminum, which must have a base coat of pre-treatment wash primer MIL-C-8514C, followed by one wet coat of TT-P-1757B Ty.I, Cl.C Alloys that oxidize must be lightly sanded to remove all loose material. Dirt and dust are best removed with a stiff bristle brush and by compressed air. For exterior use and non-ferrous metals, it is recommended that TT-P-1757B Ty.I, Cl.C be applied over pre-treatment coating conforming to MIL-C-8514C or DOD-P-15328D. Grease and oil should be removed by cleaning with appropriate solvents such as mineral spirits, lacquer wash thinner or xylene.

MIXING/APPLICATION INSTRUCTIONS:

Apply by spray, brush or dip to deposit a hiding coat of primer. A wet coat is necessary to secure maximum adhesion and corrosion inhibiting properties. For application by spray, thin one volume of packaged material with not more than 2-1/2 volumes of thinner per TT-X-916 or MIL-T-81772B TY.III. For dip or roller, thin 3 parts of packaged material with up to 5 parts of TT-X-916 or MIL-T-81772B TY.III 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
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
WATERBASE CLEAR SILICONE SEALER
PAGE 1 OF 2

PRODUCT: A clear, water-reducible, silicone base sealer.

DESCRIPTION: Griggs Waterbase Silicone Sealer is a clear penetrating solution of silicone compounds which provide water repellency to exterior dense or porous substrates. May be applied over both dry and damp surfaces. Complies with California VOC Regulations.

PROPERTIES: COLOR..... Clear
 FINISH..... Penetrating
 VEHICLE..... Emulsified Silicone
 SOLIDS(Volume)..... 9 - 11%
 WEIGHT/GAL..... 8.5 - 8.7#
 VISCOSITY..... 150 - 500 CPS

ADVANTAGES: (1). Exterior Durability
 (2). Water Repellent
 (3). Penetrating
 (4). Water Based
 (5). Apply on Damp or Dry Surface

USES: (1). Concrete
 (2). Brick
 (3). Stone
 (4). Cast Stone
 (5). Masonry

APPLICATION: Apply by brush, roller or spray methods. Use at packaged viscosity for all application methods. Clean up with water.

TECHNICAL DATA SHEET
WATERBASE CLEAR SILICONE SEALER
PAGE 2 OF 2

PRODUCT: A clear water reducible, silicone base sealer.

SURFACE PREPARATION: All surfaces must be clean, dry and free of all dirt, dust, grease or any foreign contaminants. Be sure surface is completely dry before application.

APPLICATION METHODS: Rolling is the preferred method of application, however, sealer may be brushed or sprayed. Apply generously to substrate for maximum protection. Extremely porous surfaces may need two coats or more.

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.