TECHNICAL DATA SHEET
IC-750 Waterborne
Low VOC Waterborne Primer
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PRODUCT: A water-base, corrosion/rust-resistant primer for ferrous metal. IC-750 Waterborne Primers are single-component, waterborne PUD coatings formulated for maximum rust prevention. They are extremely low VOC.

DESCRIPTION: A high quality, corrosion, rust-resistant, industrial grade water reducible primer for steel. These primers have an extremely low VOC content. IC-750 Waterborne Primers have excellent exterior durability and dry to a hard / durable finish.

PROPERTIES:

COLORS..... Red Oxide
SOLIDS(Weight)..... 50 - 60%
THEORETICAL COVERAGE..... 500 mil sq.ft/gal
DRY FILM THICKNESS..... 2.0 to 2.5 mils p/coat
VOC CONTENT..... Less than 100 G/L
DRYING TIME-AT 75 DEGREES F:
TO HANDLE..... 30 - 45 Minutes
TO RECOAT..... 60 Minutes
VEHICLE TYPE..... Waterborne PUD
WEIGHT/GAL..... 9.5-10 lbs/gal
TEMPERATURE RESISTANCE.....Up to 250 degrees F

ADVANTAGES:

(1). Low Volatile Organic Compound Content
(2). Excellent Exterior Durability
(3). Hard / Durable Finish
(4). Abrasion Resistant
(5). Water Reducible
(6). Water Clean-Up
(7). Industrial Finish

USES:

(1). Steel

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(2). Machinery
(3). Parts
(4). Tools
(5). Equipment

APPLICATION & REDUCTION:

IC-750 Waterborne Primers can be reduced with water up to 10-15% 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 properly prepared, clean, dry and free of all contamination before application of enamel topcoat.

STEEL:

Surface must be properly prepared 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.

TYPICAL FILM POPERTIES:

Tensile (ASTM D882): 6200 psi

Tensile at 100% Elongation:	2450 psi
Elongation (ASTM D882):	420%
Cold Crack (ISO-17233):	<-30˚C
Softening Point:	210˚C
Pencil Hardness (ASTM D3363):	2B
Sward Hardness (ASTM D2134):	32
UV Resistance (ASTM D4587):	No Damage (1000 Hours @ 340nm)
Impact Resistance (ASTM D2794):	No Damage @ 160 psi
Taber Abrasion (ASTM D4060):	11mg Loss (CS-10, 1000g, 1000 cycles)
Mandrel Bend (ASTM D522):	Pass 1/8"+
Dry Time ASTM D5895):	60 Minutes
Hydrolysis Resistance:	Retained 80% of Tensile Properties (200 hrs, 70˚C)

CHEMICAL RESISTANCE TESTING (ASTM D1308):

(Note: 5=no damage to films dried 15 minutes at 80˚F, then equalized at room temperature for 7 days.)

Water:	5
Acetic Acid:	5
Ammonia:	5
Methyl Ethyl Ketone:	5
2-Propanol:	5
Toluene:	5
Gasoline:	5

VARIOUS SUBSTRATE CROSS-CUT ADHESION (ASTM D3359):

Cold Roll Steel - Unpolished:	5B
Aluminum - Untreated:	5B
Brass - Untreated:	5B
ABS - Untreated:	0B
Polycarbonate - Untreated:	0B
Nylon - Untreated:	5B
HDPE - Untreated:	0B

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1910 East Riverview Drive • Phoenix • Arizona, 85034 • (602) 243-3293 • Fax (602) 268-6801
Web Site: http://www.intrepidcoatings.com • E-Mail: info@intrepidcoatings.com