

INDUSTRIAL METAL COATINGS

Water Based Universal Primer

IW-1104 (White) IW-1604 (Red Oxide)
 IW-1804 (Gray) IW-1904 (Black)

Product Description:

A high performance waterborne acrylic primer with outstanding water/corrosion resistance. The exceptional water resistance properties are based on water vapor barrier concept. Primarily used to protect metal against corrosion, this product works very well for wood, concrete and plastic as well.

Main Properties:

Very Low VOC ● Sticks to everything ● Very Fast Dry ● Very good Corrosion Resistance (metal)

Recommended Usage:

For all types of substrates that require the best durability and protection against moisture and/or corrosion. Can be used as stain “locking “ Primer.

Application:

Application Method:	This product is designed to be applied by either airless or conventional spray equipment.
Mixing Instructions:	Ready to spray. May be reduced as needed with water.
Substrate Preparation:	The surface must be clean, dry and free of grease, oil, dirt, fingerprints and any other contamination to ensure proper adhesion. Remove any loose or peeling paint. Sand any basecoat with 320-400 grit sandpaper. May be applied over epoxy, acrylic, and alkyd basecoats. Test for adhesion and compatibility before full scale application.
Application Instructions:	Mix well using a power agitator prior to application. On application, the temperature of the product, substrate and coating should be above 50 ° F.
Coverage:	Approximately 577-610 square feet per gallon at 1 dry mil. Actual coverage may vary depending on application technique, equipment and weather conditions.
Safety/ Clean Up:	Please read MSDS and product label before using. Applications tools must be cleaned with water after use. Dispose of any leftover coating in accordance with local, state or federal regulations.
Salt Fog Results ASTM B-117	Iron Phosphate (R-36-I Q-PANEL), 1.5 mils DFT, 500 hrs: Overall rating (ASTM D 610) 8-9 < 3/16" Creepage from scribe, with medium blisters. No body blisters, < .1% surface rust. Cold Roll (10159 ACT), 1.5 mils DFT, 250 hrs: Overall rating (ASTM D 610) 7-8 < 3/16" Creepage from scribe, with medium blisters. Very Few body blisters, < .3% surface rust.

Physical Properties

Vehicle Type	Modified Acrylic
Solids by Volume	36-38 (+/- 1%)
Solids by Weight	47-51 (+/- 1%)
Coating VOC (less water)	105-117 g/l
Material VOC(as supplied)	49-53 g/l
Flash Point	N/A
Viscosity	35-40 sec. Zahn # 3
Specific Gravity	1.20-1.27

Curing/Drying Time Properties

Air Drying Time (77° F 50% humidity)	
Dust Free	10-15 minutes
To Touch	15-20 minutes
To handle	6-8

Force Dry Time

Flash-off	15-20 minutes
Force Cure	20-30 minutes @ no more than 140 F

