

COATING DATA

DESCRIPTION:

Aquanaut Acrylic Primer is a new and improved single component, water borne, rust inhibitive primer. This primer is a Direct to Metal (DTM) Primer with rust inhibitive pigmentation that also has improved flow & leveling characteristics as well as better dry fall capabilities. Aquanaut® Acrylic Primer does not contain lead or chromates, is very low in volatile organic content and is available in a variety of pastel colors. Aquanaut Acrylic Primer conforms to priming requirements as outlined in ANSI/AWWA D102-06, OCS-3.

USE:

As a shop or field applied primer to steel exposed to mild or moderately aggressive environments. Compatible over many aged coatings (test patch is recommended). May apply "dry fall" under most conditions (see APPLICATION). As a topcoat, use Induron Aquanaut® II Acrylic Gloss Enamel.

PERFORMANCE:

PANEL: Cold Rolled Steel PREPARATION: Clean and Dry
 SYSTEM: One coat Induron Aquanaut® Primer applied by spray to yield 1.5 dry mils.

TEST	METHOD/ CONDITIONS	DURATION	RESULTS
Adhesion to Steel	ASTM D 3359-87 Method B		5B(No Adhesion Loss)
Impact Resistance	ASTM D 2794-84		130 in./lbs. Direct
Mandrel Flex	ASTM D 522-88 Method A	1/4" Diameter Bend	No Cracking
Exterior Durability (QUV)	ASTM B 117	500 Hours	< 1/16" Undercut at Scribe. No Facial Blisters or Corrosion
Chemical Resistance	Spot Testing Distilled Water 5% Salt Water 10% Sodium Hydroxide 50% Sodium Hydroxide Propylene Glycol Motor Oil	300 Hours	No Effect No Effect No Effect No Effect No Effect No Effect

LIMITATIONS:

Do not use for immersion service. Not resistant to strong acids or aromatic solvents. Keep from freezing.

SURFACE PREPARATION:

Steel (Non-immersion)—If the intended use is indoor, enclosed, or a mild environment; clean steel to a minimum of SSPC-SP 2 Hand Tool Cleaning. For other exposures, clean steel to a SSPC-SP 6 Commercial Blast. **Previously Painted Surfaces**—Remove all surface contaminants. Clean rusted areas in accordance with SSPC-SP 2 Hand Tool Cleaning. Dull glossy surfaces and feather edges for uniform appearance (test patch recommended).

COATING DATA (Continued)

COVERAGE:

Theoretical—600 ft² per gallon at 1.0 mil dry film thickness.

DRY FILM THICKNESS:

1.5 to 3.0 mils per coat.

WET FILM THICKNESS:

4.1 to 8.0 mils per coat.

COLORS:

Red, Tan & Pastel Colors.

APPLICATION DATA

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Airless Spray—Use .013-.017 tip, 60 mesh filter, 30:1 pump ratio at 1500-2000 psi operating air pressure. **Conventional Spray**—Follow the instructions of equipment manufacturer for water borne paints. Attention: Dry overspray can be wiped or washed from most surfaces. Satisfactory dry-fall performance depends upon height of work, weather conditions and equipment adjustment. Low temperature and high humidity are of particular concern. Test for each application as follows: Spray from 15 to 25 feet towards paint container. The material then should readily wipe off. **Note:** Heat can fuse-dry overspray to surfaces. Always clean dry overspray from hot surfaces before fusing occurs. Be aware that exterior surface temperatures can be higher than air temperatures. **Roll**—Use short to medium nap synthetic roller cover. **Brush**—Use synthetic bristle brush. **Touch-up**—For best results, use the same application method as the original coat.

THINNING:

Not normally required for brush and roller application. Some thinning with water may be necessary (up to 10% by volume) for spray. Clean with warm water and soap.

CLIMATE:

Use this product only if the substrate temperature and ambient air temperature is above 45°F and is expected not to decrease for at least two hours after application. Also, the substrate temperature must be 5°F above the dewpoint for a period of at least two hours after application to avoid condensation occurring on wet paint.

DRY TIME:

TO HANDLE—One-half hour at 80°F.

TO RECOAT—4 hours at 80°F.

Note: Lower temperature, higher film build, poor ventilation, and/or high humidity will retard dry time.

PHYSICAL DATA:

VOLUME SOLIDS: 37% ± 1%

SOLIDS BY WEIGHT: 48% ± 1%

WEIGHT PER GALLON: 10.0 ± .2 lbs/gallon

VOLATILE ORGANIC CONTENTS:

Mixed unthinned - < 0.9 lbs/gallon; < 50 grams/liter

Mixed thinned 10% - < 0.9 lbs/gallon; < 50 grams/liter

SAFETY DATA:

See individual product label for safety and health data information. Individual Material Safety Data Sheets are available upon request.