

## COATING DATA

### DESCRIPTION:

MC Universal Primer is a single component, moisture-cured, aromatic urethane primer containing micaceous iron oxide and metallic zinc dust. This primer is very applicator friendly, fast cure and allows for same day top coating. It has an unlimited recoat window and does not require profiling for recoating.

### USE:

As the prime coat in a multi-coat coating system designed for the protection of ductile iron or carbon steel in brine, fresh and waste water immersion, and corrosive exterior exposures. May be used for marginally prepared rusty steel and tightly adherent aged coatings for non-immersion maintenance solutions. Ideal for OEM and shop priming especially when fast recoat is desirable.

### LIMITATIONS:

Do not use for immersion above 140°F (60°C) or dry heat above 250°F (121°C).

### SURFACE PREPARATION:

**Steel (Immersion):** SSPC-SP 10/NACE 2 Near-White Blast Cleaning. **Steel (Non-Immersion):** SSPC-SP 6/NACE 3 Commercial Blast Cleaning. Surface profile shall be angular and 1.5 to 2.5 mils in depth. **Ductile Iron**—Remove all surface contaminants by abrasive blasting or wire brush. Do not coat surfaces previously coated with asphalt. **Topcoating**—Multicoat systems require this product to be topcoated. This product does not require profiling the surface prior to being topcoated with any product listed under recommended topcoats. Prior to topcoating, remove all chalk and/or other surface contaminants.

### RECOMMENDED TOP COAT:

**Non-potable water and water borne chemical immersion topcoats:** PE-70 Epoxy, RC-70 Epoxy, Perma-Clean II, Ruff Stuff 2100 Coal Tar Epoxy, Induraguard, Induramastic, Ceramasafe 90, and PermaSafe 100. **Non-immersion topcoats:** PE-70 Epoxy, RC-70 Epoxy, Induraguard, Perma-Clean II, Indurethane 6600, Permastic and Perma-Gloss Fluorourethane.

### COVERAGE:

Theoretical 914 ft.<sup>2</sup> per gallon at 1.0 mil dry film thickness.

**DRY FILM THICKNESS:** 2.5 to 3.5 mils.

**WET FILM THICKNESS:** 4.4 to 6.1 mils.

## APPLICATION DATA

### PACKAGING:

Single component, 4 gallons per container.

### MIXING:

While under controlled power agitation, slowly mix the entire contents H-7925 MC Universal Primer. Continue power agitation until thoroughly mixed. Maintain minimum agitation during application to prevent settling and to avoid beating air into the product.

**POT LIFE:**

6 hours@90F, 12 hours @70F, 18 hours@50F, 24 hours@35F (50% Relative Humidity). Do not use this material past the pot life limits.

CAUTION: Conditions of high humidity or high levels of moisture during the use of this product will shorten the pot life. Avoid high speed agitation and keep containers covered to minimize exposure to moisture.

**APPLICATION:**

**Airless Spray**—Use .017-.019 tip orifice; 60 mesh filter; 3/8" material hose; 3000-3600 psi atomizing pressure. Weather conditions, applicator technique, pump size, spray tip and atomizing pressure may vary recommendations. **Roll**—Use professional quality 1/4" or 3/8" synthetic cover. **Brush**—Use professional quality natural or synthetic bristle brush. For potable water application, use brush or roll for touch-up applications. **Ventilation:** When used in an enclosed area, provide adequate ventilation during application and cure.

**THINNING:**

For best results, thin up to 10% with Induron K-1017 VOC Exempt Reducer. Clean up equipment with Induron K-1012 Industrial Thinner.

**CLIMATE:**

Use this product only if the substrate and the ambient air temperatures are between 35°F (2°C) and 120°F (49°C). The substrate should be dry and 5°F above the dew point.

**STORAGE:**

Shelf life is 6 months at a 20°F-120°F (7°C-49°C) storage temperature range.

**DRY TIME:**

Temperature	To Touch	To Handle	To Topcoat
70°F	15 minutes	1.5 hours	2 hours
60°F	15 minutes	2.75 hours	2.75 hours
50°F	15 minutes	5 hours	5 hours

Cure time will vary with humidity, surface and air temperature, and film thickness. Cure times for immersion service are the same as the specified Induron topcoat technical data sheet.

**PHYSICAL DATA:**

VOLUME SOLIDS: 57% ± 2%

SOLIDS BY WEIGHT: 80% ± 2%

WEIGHT PER GALLON: 16.1 ± .2 lbs per gallon mixed

VOLATILE ORGANIC CONTENTS:

Mixed unthinned - < 2.7 lbs/gallon; < 324 grams/liter

Mixed thinned 10% - < 2.7 lbs/gallon; < 324 grams/liter

HAPS:

Mixed unthinned: 0.0 lbs/gallon

Mixed thinned 10%: 0.0 lbs/gallon

**SAFETY DATA:**

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