

COATING DATA

DESCRIPTION:

MC Universal Primer is a single component, moisture-cured, aromatic urethane containing micaceous iron oxide and zinc to function as an applicator friendly primer. Quick cure, same day recoat, and unlimited recoat time allow for efficient shop and field priming and recoating.

USE:

As the prime coat in a multi-coat coating system designed for the protection of steel in brine, fresh water immersion, and aggressive exterior exposures. May be used for marginally prepared rusty steel and tightly adherent aged coatings for non-immersion maintenance solutions.

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 Near White Blast. **Steel (Non-Immersion):** SSPC-SP 6 Commercial Blast. Surface profile shall be angular or toothy 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 scarifying 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 Epoxy, Ruff Stuff 2100 Coal Tar Epoxy, Induraguard Epoxy, Armorguard Epoxy, CeramaSafe 90, and PermaSafe 100.

Non-immersion topcoats: PE-70 Epoxy, RC-70 Epoxy, Induraguard Epoxy, Armorguard Epoxy, Perma-Clean II Epoxy, Indurethane 6600 and Perma-Gloss Flourourethane.

COVERAGE:

Theoretical 914 ft.² 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.

POT LIFE:

8 hours at 80°F (27°C). 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-1024 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. For cure times for immersion service, reference 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.