

INDURON

PROTECTIVE COATINGS

800 324 9584 | 3333 R. ARRINGTON N. • BHAM, AL 35234

TECHNICAL DATA

INDURAZINC MC-67



DRINKING WATER SYSTEM COMPONENTS
ANSI/NSF 61 26KM
Maximum Surface Area/Volume Ratio: 21.3 cm²/L
Water Contact Temp. 23°C

COATING DATA

DESCRIPTION:

Indurazinc MC-67 is a two-component, moisture-cured, aromatic urethane, organic zinc rich primer. This product combines the galvanic protection of zinc; the dried film consists of 83% zinc by weight with the durability, toughness, and adhesion of a dense cross-linked polyurethane binder to provide outstanding long-term corrosion protection. Quick cure, same day recoat, and unlimited recoat time allow for efficient shop and field priming and recoating.

Conforms to ANSI/AWWA D102-03 Inside Coating System No. 5 and Outside Coating System No. 6.

Classified by UL to NSF/ANSI International 61 for potable water immersion service in tanks of 5,000 gallons and greater capacity. Zinc Dust certified under ASTM D 520 Type III, 99.99% pure zinc metal.

USE:

As the prime coat in a multi-coat coating system designed for the protection of steel in brine, fresh water, potable water immersion and aggressive exterior exposures.

LIMITATIONS:

Not recommended for acidic (pH <6.0) or alkaline (pH >8.0) environments. 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. **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:

NSF/ANSI 61 potable water immersion topcoats: PE-70 Epoxy, RC-70 Epoxy, Ruff Stuff 3300 Epoxy.

Non-potable water and water borne chemical immersion topcoats: PE-70 Epoxy, RC-70 Epoxy, Ruff Stuff 3300 Epoxy, Perma-Clean II Epoxy, Ruff Stuff 2100 Coal Tar Epoxy, Induraguard Epoxy, Armorguard Epoxy.

Non-immersion topcoats: PE-70 Epoxy, RC-70 Epoxy, Induraguard Epoxy, Armorguard Epoxy, Perma-Clean II Epoxy, Indurethane 5500 & 6600 Enamels, Aquanaut Enamel.

COVERAGE:

Theoretical 1,075 ft.² per gallon at 1.0 mil dry film thickness.

DRY FILM THICKNESS: 2.5 to 3.5 mils.

WET FILM THICKNESS: 3.7 to 5.3 mils.

APPLICATION DATA

PACKAGING:

FOUR GALLON KITS: Each kit consist of two parts; one premeasured five gallon container of liquid Indurazinc MC67 Primer PART A and one premeasured container of Indurazinc MC67 Primer Zinc Dust PART B. Part A and Part B mixed together yields four gallons of Indurazinc MC-67 Primer.

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MIXING:

While under controlled power agitation, slowly sift the entire contents of Zinc Dust H-7901 PART B into the liquid H4-7900 PART A. Continue power agitation until both components are thoroughly mixed. Strain through a 30-50 mesh screen after mixing. 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. **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-1012 Industrial Thinner. 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 10 months at a 20°F-120°F (7°C-49°C) storage temperature range.

DRY TIME:

Temperature	To Handle	To Recoat
95°F	1.0 hours	3 hours
85°F	1.25 hours	4 hours
75°F	1.5 hours	4 hours
65°F	2.0 hours	5 hours
55°F	3.0 hours	6 hours
45°F	4.0 hours	7 hours
35°F	5.0 hours	8 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: 67% ± 2%

SOLIDS BY WEIGHT: 90% ± 2%

WEIGHT PER GALLON: 24.4 ± .2 lbs per gallon mixed

VOLATILE ORGANIC CONTENTS:

Mixed unthinned - < 2.4 lbs/gallon; < 283 grams/liter

Mixed thinned 10% - < 2.8 lbs/gallon; < 366 grams/liter

PERFORMANCE DATA:

GRAFFITI CLEAN-UP: Spray Paint □ 100% removed with ketone solvent.

SAFETY DATA:

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