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Indurazinc MC67

NSF 61/600 Urethane Zinc Primer

General Information

Description NSF 61/600 potable water tank primer; Single leg airless applied 67% solids moisture cured urethane zinc. Indurazinc MC67 may be used as a primer for steel potable water tank interiors or exteriors. Contains ASTM D520 Type III Zinc.

Generic Type Moisture Cured Urethane Zinc Rich

AWWA D102 ICS-3, ICS-5, ICS-6, OCS-2, OCS-3, OCS-4, OCS-6

Available Colors Olive Green



Available Kit Sizes 2.5 gallon single pack units

NSF 61/600 For use with tanks greater than or equal to 8,000 gallons. Minimum Re-coat/Final Cure Time/temp prior to water immersion: 7 days. May be thinned at up to 10% with K-1012 Industrial Thinner, topcoat with appropriate topcoat

Performance Testing

ASTM D522 Mandrel Bend	1/4" Mandrel Bend, no delamination
ASTM D4541 Adhesion to carbon steel	2, 500 psi at 45 days
ASTM D4541 Adhesion to TL-70 Topcoat	1250 psi, cohesive topcoat failure
ASTM B117 Salt Fog (Indurazinc MC67, PE-70, Indurethane 6600 Plus)	12,000 hrs, no effect
ASTM D4585 Humidity Exposure	5,000 hrs, no effect
NACE TM017 Potable Water Immersion	5 years, no effect, PE-70 topcoat

Compatible Topcoats

Perma-Clean 100, Perma-Clean 10 SL, PE-70, RC-70, TL-70, Indurethane 6600 Plus, Indurethane 6600 Plus LV, Indurethane 6700, Permagloss, Novasafe, Ceramaprime,

Surface Preparation

All substrates clean and dry, free of dirt, oils, greases and contaminants

Carbon Steel	Abrasive blast to SSPC SP-6 with a 1-3 mil profile for atmospheric service, SSPC SP-10 for immersion (1-3 mil profile)
Concrete	Not for use on concrete
Repairs, small areas	SSPC SP-11 power tool to bare metal to produce an angular profile
Recoat	Wash away any white zinc salts and dry

Shelf Life & Storage

1 year shelf life Store long term between 35 and 90°F, use entire kit once unit is opened and can seal is broken

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Application Information

Film Thickness

	minimum	maximum
wet film	3.7 mils	5.3 mils
dry film	2.5 mils	3.5 mils

Coverage Rate

1074 ft²/gal at 1 mil
358 ft²/gal at 3 mils

Application Instructions

Single Leg Airless Spray	Mix unit thoroughly. Use pump capable of 2,000 psi line pressure and continuous pot agitation; 60 mesh filter and 0.017-0.019 spray tip. Agitate material slowly and continuously throughout application
Conventional Spray	Use dual regulated pressure pot with continuous agitation, Use 0.070" fluid tip with appropriate air cap (Binks 66SS fluid tip with 66SD air cap or equivalent), thin as needed with K-1012. Agitate material slowly and continuously throughout application
Brush and Roll	Thin as needed with K-1012 at up to 10%. Agitate material slowly and continuously throughout application

Mix-Ratio

N/A, agitate thoroughly prior to and during application

Pot Life

8 hours at 75°F and 50% RH. Pot life shortens with increased humidity and temperature

Thinning

Up to 10% with K-1012

Conditions

All steel temperatures must be ≥5°F above the dewpoint, ambient temperatures ≥35°F

	minimum	maximum
Substrate temperature	35°F	140 °F
Material temperature	60°F	90°F
Humidity	30% RH	95% RH

Cure

Cures times will shorten with increased relative humidity

	35°F	50°F	75°F	90°F
dry to handle	6 hrs	3 hrs	1.5 hrs	1 hr
dry to topcoat minimum	12 hrs	6 hrs	3 hrs	2 hrs
dry to topcoat maximum	infinite	infinite	infinite	infinite
cured for NSF 600 service	7 days	7 days	7 days	7 days

Reference

Physical Properties

HAPS	1.13 lbs/gal
VOC	288 g/L
volume solids	67 ± 2%
weight solids	90 ± 2%

Links

[Safety Data Sheet](#)
[Ceramaprime Tech Data Sheet](#)
[Perma-Clean 100 Data Sheet](#)
[Induron Water Tank Coatings Page](#)
[UL NSF-61/600 Listing for Indurazinc MC67](#)