



3333 Richard Arrington Jr. Blvd. N
Birmingham, AL 35234



Ceramaprime

NSF 61/600 Ceramic Epoxy Primer

General Information

Description NSF 61/600potable water tank primer; Single leg airless applied 51% solids ceramic epoxy. Ceramaprime may be used as a primer for steel or concrete water tanks and is available in a cold cure version for under 50°F application and a low VOC version.

Generic Type Polyamide Epoxy

AWWA D102 ICS-1, ICS-2, ICS-3, ICS-4, OCS-5, OCS-6



Available Colors Tan and White, all non LV colors share a common part B

Available Kit Sizes

A	5 gal Ceramaprime A	1 gal Ceramaprime A	1 gal Ceramaprime A
B	5 gal Ceramaprime B	1 gal Ceramaprime B	1 gal Ceramaprime LV B
Kit	10 gal Ceramaprime kit	2 gal Ceramaprime kit	2 gal Ceramaprime LV kit

NSF 61/600

For use with tanks greater than or equal to 30,000 gallons, not exceeding a surface area to volume ratio of 11.61 cm²/L. Minimum Re-coat/Final Cure Time/temp prior to water immersion: 7 days at 70 deg F, up to 30 mils DFT, up to 10% thinning with K-1034

Performance Testing

ASTM B117 Salt Fog	3500 hrs, no effect
ASTM B117 Salt Fog	3500 hrs, minimal rust at scribe, no blistering or undercutting
ASTM B117 Salt Fog (Ceramaprime, PE-70, Indurethane 6600 Plus)	12,000 hrs no effect
ASTM D4541 Adhesion to Carbon Steel	2500 psi
ASTM D4541 Adhesion to Perma-Clean 100 topcoat	1900 psi at 30 day primer cure

Compatible Topcoats

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

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	Abrasive blast as per SSPC SP-13 to an ICRI CSP 3 or greater. Can be applied over Mortarchem and EFS 707
Repairs, small areas	SSPC SP-11 power tool to bare metal to produce an angular profile

Shelf Life & Storage

2 year shelf life parts A and B, Store long term between 35 and 90°F, Recommend heating material to 80-85°F in the 24 hours prior to application

Ceramaprim

Application Information

Film Thickness

	minimum	maximum
wet film	6 mils	12 mils
dry film	3 mils	6 mils

Coverage Rate

834 ft²/gal at 1 mil
167 ft²/gal at 5 mils

Application Instructions

Single Leg Airless Spray	Remove all filters from spray system, use pump capable of 2,000 psi line pressure; 0.015-0.019 spray tip. Pre-heat material from 70-80°F prior to mixing and application.
Plural Airless Spray	Remove all filters from spray system, use Graco XP-70 or equivalent heated plural spray unit with heated hose bundle and in-line static mixer. 0.015-0.019 spray tip. Heat A and B components to between 70 and 85°F and spray at minimum line pressure to achieve fan
Brush and Roll	Thin as needed with K-1034 or K-1070 at up to 10%

Mix-Ratio 1:1 by volume A:B

Pot Life

50°F	75°F	90°F
2.5 hours	4 hours	1 hour

Thinning Up to 10% with K-1070 or K-1034

Conditions All steel temperatures must be ≥5°F above the dewpoint, ambient temperatures ≥50°F

	minimum	maximum
Substrate temperature	50°F	140 °F
Material temperature	50°F	120°F
Humidity	0% RH	95% RH

Cure

	50°F	75°F	90°F
dry to handle	3 hrs	90 min	1 hr
dry to topcoat minimum	3 hrs	45 min	30 min
dry to topcoat maximum	1 year	1 year	1 year
cured for NSF 600 service	Heat to 75°F	7 days	7 days

Reference

Physical Properties

HAPS	1.13 lbs/gal
VOC	336 g/L
volume solids	52 ± 1%
weight solids	66 ± 1%

Links

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