

General Information

Description Fast setting, moisture tolerant, 100% solids immersion grade self-leveling epoxy sealer designed for manhole invert and bench lining.

Generic Type 100% Epoxy Invert Bench and Invert Liner

Chemical Services Manhole immersion and non-immersion service, concrete and carbon steel substrates in high hydrogen sulfide, acidic or caustic environments



Available Colors Gray

Available Kit Sizes

A	0.5 gallons
B	0.5 gallons
Total Kit Volume	1 gallon kit

Performance Testing

ASTM D7234 Adhesion to Concrete	Greatly exceeds 400 psi cohesive strength of concrete
ASTM 2794 Impact Resistance	>120 in-lbs direct impact

Compatible Topcoats

Self-priming, may be applied over Mortarchem, may be applied over Ceramaprime

Compatible Topcoats

Ceramaprime, Ceramaprime LV, Ceramaprime, PE-70, E-Bond 100, Ceramasafe 90, Perma-Clean 100, Perma-Safe 100, Ruff-Stuff 2100, TL-70, Novasafe, Perma-Clean II, EFS 707, Induramastic 85, E-Bond 100, Perma-Clean 100 SL

Surface Preparation

Clean and free of dirt, debris, deleterious material, laitance. EFS-707 can be applied to an SSD (Saturated Surface Dry) or damp concrete substrate

Concrete	Abrasive blast, power tool or water jet as per SSPC SP-12 or 13 to an ICRI CSP 3 or greater. Minimum 3,000 psi with a turbo nozzle recommended for pressure washing
Steel	SSPC SP-10 for immersion service, SSPC SP-3 for incidental maintenance and non-immersion service

Shelf Life & Storage

2 year shelf life parts A and B, Store long term between 50 and 90°F, Recommend heating material to 80-85°F in the 24 hours prior to application

Application Information

Film Thickness Apply to complete coverage. May be poured into-large voids. **Coverage Rate** 32 ft² per kit at 1/8”
16 ft² per kit at 1/4”

Application Instructions May be applied to surfaces via pouring or brushing/rolling. Thoroughly mix liquid parts A and B and pour onto horizontal surface to be coated. Use roller or squeegee to spread material around evenly =.

Mix-Ratio Mix parts A and B separately until homogenous then combine components in the supplied ratio. Mix until homogenous

Pot Life

75°F
10 min

Thinning Do not thin

Conditions All concrete and ambient temperatures must be ≥40°F

	minimum	maximum
Substrate temperature	40°F	140 °F
Material temperature	50°F	140°F
Humidity	0% RH	95% RH

Cure

	50°F	75°F	90°F
dry to touch	45 min	30 min	30 min
dry to topcoat minimum	45 min	30 min	30 min
full properties	45 days	30 days	30 days
cured for immersion service	1 hour	1 hour	30 min

Reference

Physical Properties

HAPS	0
VOC	82 g/L
volume solids	100%
weight solids	100%