

# EVERSTRONG<sup>®</sup>

## NANO-POXY

SELF-PRIMING NANO-ENGINEERED EPOXY



## TECHNICAL DATA SHEET

**Description :** EVERSTRONG NANO-POXY is a two part ultra low VOC nano technology epoxy coating for commercial use, engineered to withstand extremely harsh salt and abrasive environments, with exceptional adhesion, impact and corrosion resistance.

**Common Usage:** Tightly cross-linked epoxy with excellent corrosion and chemical resistance. Principally used for immersion service, including fuel storage, chemical containment, and wastewater treatment.

**Recommended for:** Concrete, Steel

**Colors:** Grey, Black, Beige

**Finish:** Semi-gloss; for maximum UV protection we recommend one coat of EverStrong Nano-Topcoat

**Coating System:** Self-priming for Concrete & Steel

### Surface Preparation:

Steel:	Immersion Service: SSPC-SP10/NACE 2 Near White Blast Cleaning obtaining a minimum angular anchor profile of 2.0 mils (50 microns)
Concrete:	Allow new concrete to cure for 28 days.
All Surfaces:	Must be clean, dry and free of oil, grease and other contaminants.

### Technical Data:

Volume Solids:	82.0 ± 2.0% (mixed) †
Recommended DFT:	1. For JP-4, JP-5, JP-8, Aviation Gas and Jet A-1: 4.0 to 6.0 mils (100 to 150 microns) per coat (minimum of two coats). 2. Most Other Applications: 8.0 to 12.0 mils (205 to 305 microns) per coat (minimum of two coats).

**Testing Data:** Request complete performance data from your EverStrong distributor representative.

## CURING TIME

Temperature	To Handle	To Recoat	Immersion
75° F (24°C)	6 hours at 4.0 mils (100 microns)	6-18 hours*	5 to 7 days
	11 hours at 12.0 mils (305 microns)	16-18 hours*	5 to 7 days

Curing time varies with surface temperature, air movement, humidity and film thickness.

\*Maximum recoat time is 72 hours. If more than 72 hours have elapsed between coats, the coated surface must be scarified before top coating.

## APPLICATION

Surface must be clean, dry and free of oil, grease and other contaminants. Allow new concrete to cure for 28 days before application. Use appropriate tip/atomizing pressure for equipment, applicator technique and weather conditions. Brush: Recommended for small areas only. Use high quality natural synthetic bristle brushes. Note: Two or more coats may be required to obtain recommended film thicknesses.

### Coverage Rates:

For JP-4, JP-5, JP-8, Aviation Gas, Jet A-1 Service

	Dry mils ( $\mu$ )	Wet mils ( $\mu$ )	Sq.Ft/gal. (m /Gal)
Suggested	5.0 (125)	6.0 (150)	236 (24.4)
Minimum	4.0 (100)	5.0 (125)	329 (30.6)
Maximum	6.0 (150)	7.5 (190)	219 (20.4)

### Most other applications:

	Dry mils ( $\mu$ )	Wet mils ( $\mu$ )	Sq.Ft/gal. (m /Gal)
Suggested	10.0 (255)	12.0 (305)	132 (12.2)
Minimum	8.0 (205)	10.0 (255)	164 (15.3)
Maximum	12.0 (305)	14.5 (355)	110 (10.2)

Allow for overspray and surface irregularities. Film thickness is rounded to the nearest 0.5mil or 5 microns.

**Safe handling and use information:** Avoid breathing vapor mist or spray. Use with good ventilation.

Gloves needed for extra sensitive skin. Use safety glasses or goggles to protect eyes. Rubber gloves and boots required. Wash hands and skin after each use. Keep containers tightly closed when not in use. If mixture of A and B are allowed to remain in the mixing vessel past the pot life deadline, heat and a strong reaction will result. Grinding or other abrasive action to cured film may develop micro crystalline silica dust. Wear a dust mask during such operations.

**Caution:** Do not reseal mixed material. An explosion hazard may be created.

**Spill or leak procedures:** Avoid contact. Soak up with clay or other absorbent material. Place in covered container for disposal. Dispose in an approved incenerator or an approved landfill. Avoid elevated temperature.

**Surface Temperature:** Minimum 60°F (16°C) Maximum 135°F (57°C). The surface should be dry and at least 5°F (3°C) above the dew point. Coating will not cure below minimum surface temperature.

**Pot life:** 2 ½ hours at 60°F (16°C) 1 ½ hours at 77°F (25°C) ¾ to 1 hour at 100°F (38°C)

**Thinning:** Use denatured alcohol, Xylene or MEK. For air spray, thin up to 10% or ¾ pint (380mL) per gallon. For airless spray or brush, thin up to 5% or ¼ pint (190mL) per gallon. Note: A maximum of 6% of No. 2 Thinner may be used to comply with VOC regulations.

**Cleanup:** Flush and clean all equipment immediately after use with the recommended thinner or MEK.

† Values may vary with color.

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