EVERSTRONG®
NANO TOP COAT
SELF-PRIMING NANO-ENGINEERED EPOXY

TECHNICAL DATA SHEET

Description : EVERSTRONG NANO TOP COAT is a two part high-gloss nano-enhanced aliphatic acrylic polyeurethane coating that is highly resistant to abrasion, wet conditions, corrosive fumes and exterior weathering.

Common Usage: NANO TOP COAT high-gloss top coat is designed to go over cured **NANO-POXY** coating to enhance performance by adding additional long lasting UV protection and gloss. This coating is not designed for immersion service.

Recommended for: Concrete, Steel

Colors: Grey, Black, Beige

Note: Certain colors may require multiple coats depending on method of application and finish coat color. When feasible, the preceding **NANO-POXY** coating should be in the same color family, but noticeably different.

Finish: High-gloss

SPECIAL QUALIFICATIONS

Meets the requirements of SSPC-36 (level 3) Paint Standard.

Performance Criteria: Available upon request.

Surface Preparation: All surfaces must be clean, dry and free of oil, grease and other contaminants. See primer product data sheet for surface preparation.

Note: Before top coating with **NANO TOP COAT**, previous coating of **NANO-POXY** must be completely dry andV cured at least 96 hours, and exposed for more than 24 hours. Surface must first be scarified or receive an intermediate coat of **NANO-POXY**.

TECHNICAL DATA

Volume Solids: 67 ± 2.0% (mixed) †

Recommended DFT: 2.0 to 5.0 mils (50 to 125 microns) per coat. Note: Number of coats and thickness requirements will vary with substrate, application method and exposure. Contact your Everstrong technical representative.

CURING TIME

Temperature	To Handle	To Recoat	To Resist Moisture
95°F (35°C	4 hours	5 hours	3 hours
75°F (24°C)	6 hours	8 hours	5 hours
55°F (13°C)	12 hours	16 hours	9 hours
35°F (2°C)	36 hours	48 hours	20 hours

Curing time varies with surface temperature, air movement, humidity and film thickness. If coating is exposed to moisture before the applicable cure parameters are met, dull, flat or spotty areas may develop.

VOLATILE ORGANIC COMPOUNDS EPA METHOD 24 †

Unthinned	Max 10%
(Thinner-E109.)	Max 9%
(Thinner-E112.)	Max 8%
(Thinner-E118.)	
2.24 lbs/gal	
(269 g/l)	2.83 lbs/gal
(339 g/l)	2.83 lbs/gal
(339 g/l)	2.84 lbs/gal
(340 g/l)	

HAPS

Unthinned	Max 10%		
(Thinner-E109.)	Max 9%		
(Thinnr-E112.)	Max 8%		
(Thinner-E118.)			
0.0 lbs/gal solids	0.0 lbs/gal solids	0.0 lbs/gal solids	0.0 lbs/gal solids

Theoretical Coverage: 1,051 mil sq ft/gal (25.8 m^2/L at 25 microns). See APPLICATION for coverage rates. †

Number of Components: Two: Part A and Part B

Mixing Ratio: By volume: Eight (Part A) to one (Part B)

PACKAGING

	Part A (Partially filled)	Part B (Partially filled)	When Mixed
3 Gallon Kit	5 Gallon pail	½ gallon can	3 gallons (11.35L)
1 Gallon Kit	1 gallon pail	1 pint can	1 gallon (3.79L)

Net weight per Gallon: 11.04 ± 0.25 lbs (5.00 ± .11 kg) (mixed) †

Storage Temperature: Minimum 20°F (-7°C) Maximum 110°F (43°C)

Temperature Resistance: (Dry) Continuous 250°F (121°C) Intermittent 275°F (135°C)

Shelf Life: Part A: 24 months; Part B: 12 months at recommended storage temperature.

Flash Point: SETA Part A: 95°F (35°C) Part B: 135°F (57°C)

Health & Safety: Paint products contain chemical ingredients which are considered hazardous. Read container label warning and Material Safety Data Sheet for important health and safety information prior to the use of this product.

KEEP OUT OF REACH OF CHILDREN

APPLICATION

Coverage Rates (Spray, Brush or Roller)

	Dry Mils (Microns)	Wets Mils (Microns)	Sq Ft/Gal (m^2/Gal)
Suggested	2.5 (65)	4.0 (100)	423 (39.3)
Minimum	2.0 (50)	3.0 (75)	529 (49.2)
Maximum	3.0 (75)	4.5 (115)	353 (32.8)

High Build (Spray Only)

	Dry Mils (Microns)	Wets Mils (Microns)	Sq Ft/Gal (m2/Gal)
Suggested	4.0 (100)	6.0 (150)	265 (24.6)
Minimum	3.0 (75)	4.5 (115)	353 (32.8)
Minimum	5.0 (125)	7.5 (190)	212 (19.7)

Note: Can be spray applied at 3.0 to 5.0 mils (75 to 125 microns) DFT per coat when extra protection or the elimination of a coat is desired. Allow for overspray and surface irregularities. Wet film thickness is rounded to the nearest 0.5 mil or 5 microns. Application of coating below minimum or above maximum recommended dry film thickness may adversely affect coating performance.

Mixing: Stir contents of the container marked **Part A** for 2 to 3 minutes, Making sure no pigment remains on the bottom. Add the contents of the can marked **Part A** to **Part B** while under agitation. Continue agitation for 2 to 3 minutes until the two components are thoroughly mixed. When used with Urethane Accelerator, first blend Urethane Accelerator into **Part A** under agitation; continue as above. Do not use mixed material beyond pot life limits. **Caution: Part B is moisture-sensitive and will react with atmospheric moisture. Unused material must be kept tightly closed at all times.**

Thinning: For air or airless spray, thin 9% or 7/10 pint (340 mL) per gallon with thinner if temperatures are below 80°F (27°C) or use 8% of thinner for temperatures above 80° (27°C). For brush and roller, thin 10% or ¾ pint (380 mL) per gallon with thinner. Note: Thinning is required for proper application. **Caution: Do not add thinner if more than 30 minutes have elapsed after mixing.**

Pot Life: 1 ½ hours at 77°F (25°C) unthinned; 2 hours at 77°F (25°C) thinned

APPLICATION EQUIPMENT: AIR SPRAY

Tip Orifice	Atomizing Pressure	Mat'l Hose ID	Manifold Filter
0.009-0.013"	3000-3500 psi	¼" or 3/8"	100 mesh
(230-330 microns)	(207-241 bar)	(6.4 or 9.5 mm)	(150 microns)

Use appropriate tip/atomizing pressure for equipment, applicator technique and weather conditions.

Roller: Use ¼" to 3/8" (6.4 mm or 9.5 mm) synthetic woven nap roller covers. Do not use long nap roller cover. Two coats are required to obtain dry film thickness above 3.0 mils (75 microns).

Brush: Recommended for small areas only. Use high quality natural or synthetic bristle brushes. Two coats are required to obtain recommended film thickness above 3.0 mils (75 microns).

Surface Temperature: Minimum 35°F (2°C) Maximum 120°F (49°)
The surface should be dry and at least 5°F (3°C) above the dew point.

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

† Values may vary with color.

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