



FasTrac CE450 Novolac Coating

HIGH CHEMICAL RESISTANCE NOVOLAC COATING



Technical Data Sheet

PRODUCT DESCRIPTION

FasTrac CE450 Novolac Coating is a 100% solids, novolac epoxy coating for aggressive chemical exposure environments. FasTrac CE450 Novolac Coating may be used in both horizontal and vertical applications on both steel and concrete substrates and can be used as non-skid coating with the use of a dried broadcast sand.

APPLICATIONS

- Concrete And Steel Surfaces
- Secondary Containment
- Chemical Pump and Equipment Foundations
- Sumps, Pits and Holding Ponds

FEATURES

- Highly Chemical Resistant
- Roller, Brush, or Squeegee Application
- Vertical and Horizontal Use
- 100% Solids

SURFACE PREPARATION

Substrate shall be a minimum 40°F (4.4°C) at time of application. Concrete surfaces shall be prepared to a Concrete Surface Profile (CSP) of 3 or greater in accordance with ICRI Standard 310.2R. Remove all dust, debris, grease and bond-inhibiting compounds from concrete and steel surfaces. Steel surfaces shall be blasted to an SSPC-SP6 commercial finish.

Substrates must be thoroughly dry before use.

MIXING

Pre-mix Components A and B for 30 seconds. Combine Components A and B at a 2: 1 ratio (by volume) in a suitable size mixing container. Use marked measuring containers to ensure proper ratios. Mix for 3 minutes using drill and jiffy / paint paddle attachment. Do not whip air into coating during mixing. Use coating immediately after mixing. Do not thin coating with solvents.

APPLICATION

Apply coating evenly and uniformly using a squeegee, brush, or roller, starting in one area and working outward. For single coat applications, apply at 20 mil thickness or as specified. Ensure coating is applied within working time of material (approximately 35 minutes at 75°F). For multiple layer applications, apply a second coating within the appropriate recoat time.

CURING

Coating is self-curing. In service operation may begin within 24 to 72 hours, depending upon cure and substrate temperatures and exposure conditions.

CLEAN UP

All surfaces, tools and equipment may be cleaned with MEK, acetone or similar solvent prior to coating hardening.



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PACKAGING AND COVERAGE

3 Gallon Unit covers approximately 100 - 125 square feet at 20 mil thickness. Coverage will vary depending upon substrate profile and porosity. Storage temperatures - 50°F to 90°F (10°C to 32°C).

SHELF LIFE

2 years in original unopened containers when stored in dry, weatherproof conditions.

TYPICAL PROPERTIES at 75° F (23.8° C)					
TEST METHOD				RESULTS	
ASTM D2240 Hardness Shore D				80-90	
ASTM D638 Tensile Strength (7 Days)				5,600 psi (38.6 MPa)	
ASTM D695 Compressive Strength				10,000 psi (68.9 MPa)	
Applied Thickness				20 mil +/- 5mil	
Pot Life				30-40 minutes	
Color				Light Gray	
Recoat Times					
			50°F(10°C)	8 Hours Min 2 Days Max	
			70°F (21°C)	3 Hours Min 2 Days Max	
			90°F (32°C)	30 Minutes Min 24 Hours Max	
CHEMICAL RESISTANCE CHART					
SOLVENTS		ORGANICS ACIDS (CONC.)		BASES / ALKALINES (CONC.)	
Acetaldehyde	Isopropyl Alcohol	Acetic (1-50%)	Engravers (1-50%)	Ammonia (1-25%)	Dimethyl Aniline
Acetone	Jet Fuel	Acid plating solutions	Hydrochloric (1-37%)	Ammonium Hydroxide (1-25%)	Hydrogen Peroxide (1-30%)
Acetonitrile	Kerosene	Adipic (1-25%)	Hydrofluoric (1-40%)	Aniline	Green Pulp Liquor
Acrylonitrile	Methyl Ethyl Ketone	Azotic (1-50%)	Mattling (1-98%)	Barium Hydroxide (1-sat.)	Soap solutions
Butyl acetate	Methanol	Battery (1-98%)	Nitric (1-50%)	Black Pulp Liquor	Sodium Cyanide (1-15%)
Cyclohexane	Methyl Alcohol	Chromic (1-30%)	Oil of vitriol (1-98%)	Butyl Amine	Sodium Hypochlorite (1-9%)
Ethanol	Rubbing Alcohol	Chlorohydric (1-37%)	Oleic	Cadmium Cyanide Plating	Sodium Hydroxide (1-50%)
Ethyl acetate	Wood Alcohol	Dibasic (1-sat.)	Phosphoric (1-85%)	Calcium Hydroxide (1-25%)	Triethanolamine
Ethyl alcohol	1,1,1 Trichloroethane	Ethanoic (1-50%)	Sulfuric (1-98%)	Chromium Trioxide (1-25%)	Triethylamine
Formaldehyde	Phenol	Ethylic (1-50%)	Vitriol (1-98%)	Copper Cyanide Plating	Potassium Hydroxide (1- sat)

HEALTH AND SAFETY INFORMATION

Product contains epoxy resin and amines. Wear proper PPE when using this product, including eye protection, gloves, skin protection and NIOSH / MSHA approved respirator. Read SDS thoroughly before use. Prop 65: This product contains chemicals known to the state of California to cause cancer.

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