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 horizontal 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
- 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.

FasTrac CONSTRUCTION PRODUCTS

www.fastracproducts.com
816-380-4747
sales@fastracproducts.com
Lee's Summit, MO 64081

FasTrac CE450 Novolac Coating

HIGH CHEMICAL RESISTANCE NOVOLAC COATING

PACKAGING AND COVERAGE

3 Gallon Unit covers approximately 220 - 240 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	Cadmiun 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 / MHSA approved respirator. Read SDS thoroughly before use. Prop 65: This product contains chemicals known to the state of California to cause cancer.

LIMITED WARRANTY

LIMITED WARRANTY All information provided by Cornerstone Construction Material LLC (CCM) concerning CCM products, including but not limited to, any recommendations and advice relating to the application and use of CCM products, is given in good faith based on CCM's current experience and knowledge of its products when properly stored, handled, and applied under normal conditions in accordance with CCM's instructions. In practice, the differences in materials, substrates, storage and handling conditions, actual site conditions and other factors outside of CCM's control are such that CCM assumes no liability for the provision of such information, advice, recommendations, or instructions related to its products, nor shall any legal relationship be created by or arise from the provision of such information, advice, recommendations, or instructions related to its products. The user of the CCM product(s) must test the product(s) for suitability for the intended application and purpose before proceeding the full application of the product(s). CCM reserves the right to change the properties of its products without notice. All sales of CCM product(s) are subject to its current terms and conditions of sale. Prior to each use of any CCM product, the user must always read and follow the warnings and instructions on the product's most current Technical Data Sheet, product label and Safety Data Sheet which are available at www.ccmaterial.com. Nothing contained in any CCM materials relieves the user of the obligation to read and follow the warnings and instructions for each CCM product as set forth in the current Technical Data Sheet, product label and Safety Data Sheet prior to product use. CCM warrants this product for one year from the date of installation to be free from manufacturing defects and to meet the technical properties on the current Technical Data Sheet when used in accordance with the written instructions. User determines suitability of product for intended use and assumes all risks. The buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. CCM SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. CCM SHALL NOT BE REPSONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.

Every reasonable effort is made to apply exacting standards both in the manufacture of "FasTrac CE450 Novolac Coating" product and in the information which we issue concerning these products and their use. We warrant our products to be good quality and will replace or, at our election, refund the purchase price of any products proved defective. Satisfactory results depend not only on quality products, but also upon many factors beyond our control. Therefore, except for such replacement or refund, Cornerstone Construction Material LLC (CCM) makes no warranty or guarantee, express or implied, including warranties of fitness for a particular purpose or merchantability, respecting its products, and Cornerstone Construction Material LLC (CCM) shall have no other liability with respect thereto. Any claim regarding a product defect must be received in writing within one year of the date of shipment. No claim will be considered without such written notice or after the specified time interval. The User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith. Any authorized change in the printed recommendations concerning the use of our products must bear the signature of the Cornerstone Construction Material LLC (CCM) technical manager.