

TOPCOAT NOVALAC CR

Chemical Resistant Solvent Free Epoxy Coating

Description

Topcoat Novalac CR is a two component solvent free novalac epoxy coating designed to provide protection to the concrete and steel structures in aggressive chemical conditions.

Uses

- Storage Tank
- Treatment Plant
- Concrete and Steel Surface
- Discharge Tank
- Production Area
- Horizontal and Vertical Application
- Secondary Containment Areas
- Waste Treatment Plant

Advantage

- High chemical resistant
- Easy to applied
- High build coating

Physical Properties

Solid Volume	98 %
POT Life at 25°C	Approx. 30 minutes
Initial cure at 25°C	Approx. 24 hours
Full cure at 25°C	7 days
Adhesion Strength	>1.5 N/mm ²
Compressor Strength (ASTM D579)	>65 N/mm ²
Tensile Strength (ASTM D638)	>25 N/mm ²
Over Coating Timer	<16 hours @ 23°C <10 hours @ 35°C
Flexural Strength (ASTM D580)	30 N/mm ²
Hardness (ASTM D2240)	>70 Shore D

Chemical Resistance

The fully cured coating is resistant to the splash/spillage of the following chemicals

Acetic Acid 25%	Hydrochloric Acid 5%
Ammonium Hydroxide*	Hydrochloric Acid 10%
Benzene	Jet Fuel
Benzyl Alcohol	Ethylene Glycol Monoethyl Ether
Bleach (Sodium Hypochlorite)	Kerosene
Boric Acid*	Lactic Acid 20%
Brake Fluid	Methyl Isobutyl Ketone
Brine 10%	Mineral Spirit
Car Oil	Nicotinic Acid*
Carbon Tetrachloride	Nitric Acid 30%
Caster Oil	Phenol 50% in IPA
Deionised Water	Phosphoric Acid 85%
Diesel Fuel	Potassium Hydroxide
Diethanolamine 88%	Propylene Glycol
Ethylene Glycol	Sea Water
Hydrogen Peroxide 20%	Skydo
Fatty Acids	Sodium Hydroxide
Formaldehyde 37%	Sulphuric Acid 10%
Gasoline	Tartaric Acid 40%
Sewage	Citric Acid 30%
Hexamine 25%	Toulene
Hexane	Vegetable Oils

Application Instruction

Surface Preparation and Requirement

The substrate shall be sound with a minimum of 25N/mm² for concrete structure.

The substrate shall free of dust, oil grease, curing compound, loose particle, rust, and any foreign particle.

Mixing

Add component A to component B container and mixed until a uniform homogeneous is achieved. A tiffany mixer on a slow speed electric drill shall be used for mixing.

Application

Apply the epoxy coating by roller, brush or airless spray machine.

Packaging

Part A: 4.0kg

Part B: 1.0kg
5.0kg

Coverage

Deckrete EP : 0.2kg/m²

Topcoat Novalac CR: 0.25kg/m²/coat

Shelf life / Storage

12 months from the date of manufacturer with an unopened container and a proper storage area, avoid direct sunlight.

Cleaning

Clean all the tools and equipment with solvent after used. Hardened material shall remove mechanically.

Safety Instruction

Proper protection shall be practice during application of the coating

Technical Support

Topkrete offers a technical support package to specifiers, end-users and contractors, as well as on site technical assistance.

Additional Information

Topkrete manufacturers and offers a wide range of complementary products which includes water stop, waterproofing, products, grouts, anchors, specialized flooring products. In addition, a wide range of products formulated for repair and refurbishment of spelled concrete are available.

Warranty

Topkrete Sdn Bhd warrants that the products manufactured by it shall be free from material defects and will conform to formulation standards and contain all components in their proper proportion. Should any of the products be proven defective, the liability to TOPKRETE SDN BHD shall be limited to replacement of the material proven to be defective, and TOPKRETE SDN BHD shall in no case be liable otherwise or for incidental or consequential damages. **TOPKRETE SDN BHD MAKES NO WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED.** User shall determine the suitability of the product for its intended use and assume all risks and liability in connection therewith.

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