



Fibercoat CR Chemical Resistant Novolac Epoxy Coating System

Product Data Sheet

DESCRIPTION:

FIBERCOAT CR is a two component, Novolac Epoxy coating system. It is designed as a lining system for immersion and as a protective coating for walls, ceilings, columns, and other surfaces. Fibercoat CR is USDA acceptable for many surfaces in food processing plants. It has excellent resistance to thermal shock, many acids, including 98% Sulfuric, caustics, detergents and other corrosive materials. Fibercoat CR has high film build properties and has excellent adhesion to concrete or steel.

ADVANTAGES:

- Easy To Clean - USDA Acceptable
- Low Odor
- High Build
- Low Moisture Permeability
- Quick Cure – Short Down Time

USES:

- Walls, Ceilings, Columns
- Interior And Exterior Of Tanks
- Curbs And Pump Pads
- Equipment Coating
- Structural Steel

SUPPLEMENTAL PRODUCTS:

- 3800 CR Novolac Epoxy Flooring System
- 3300 CR Novolac Epoxy Flooring System
- 2620 CR Lining System
- 4410 FS Urethane Cement
- Epofil – Masonry Filler / Sealer

PACKAGING AND COVERAGE:

FIBERCOAT CR - 1 gallon kit - covers approximately 100 square feet at 15 mils, and consists of the following

- 1 container - Part A - (pigmented resin)
- 1 container - Part B - (hardener)

Larger Kits also available.

12-15 mils DFT, applied in two coats, is recommended for most service conditions.

PROPERTIES:

Compressive Strength	10,600 psi ASTM C-579 (resin)
Tensile Strength	2,450 psi ASTM C-307 (resin)
Bond Strength (on Steel)	3500 psi
Impact Strength	100 in./lbs.
Indentation	No indentation MIL-D-3134F
Abrasion Resistance	84 milligrams ASTM D-1044 1,000 cycles CS-17 Wheel at 1,000 grams
Working Time at 75°F (24°C)	Up to 30 minutes ASTM C-308
Shelf Life	1 year
Color	Gray, Red, White
Solids by Content	By Weight 100% By Volume 100%

SURFACE PREPARATION:

Fibercoat CR may be installed only on clean, sound substrates

Concrete:

New concrete must be cured a minimum of 28 days. All coatings, oils, grease and unsound concrete must be removed. Concrete surfaces must then be acid etched, scarified or shot blasted to remove surface laitance. A good bonding tooth, the texture of 60 grit sandpaper, is desired for maximum adhesion, with removal of all

surface glaze. Prior to using the Fibercoat CR, two coats of Epofil filler sealer is recommended to minimize the number of voids in the concrete substrate.

Metal Surfaces:

Blast the surface to near white SSPC-SP10-70 or NACE No. 2 using a Venturi blast nozzle with 100 psi air. The blasting media used shall be properly graded, clean, sharp, angular abrasive similar to Humble Abrasive Flint #7 (6-30) mesh, or Steel Grit (HG25).

MIXING:

Prior to starting, materials should be stored at 70°F (21°C) for at least 48 hours.

Empty the Part B into the Part A container. Using a jiffy mixer or equivalent, mix for two minutes or until the color is uniform and the mixture is homogenous.

**Fibercoat CR may be thinned up to 5% with MEK for better spraying or rolling at certain temperatures.*

APPLICATION:

Substrate temperature should be 65°-85°F (18°-29°C) during application, and for seven days thereafter, for complete cure. Do not apply if surface temperature is below 60°F (16°C).

FIBERCOAT CR coating can be applied by spray or brush.

Spray: Use a Graco King 45 to 1 Hydrospray pump, Model 208-311. The pump assembly consists of an air regulator, high pressure manifold, airless oiler and dump valve. Also needed is a high pressure 3/4 inch I. D. nylon hose not to exceed 25 feet and a special "stipple" flow gun and #208-663 pistol grip gun, a reverse-a – clean body and assorted tip sizes. All hoses shall be rated at 6000 psi. Inlet pressure to the pump shall be 100 psi.

Brush: A high quality natural bristle brush set in rubber should be used.

Roller: 3/8" nap roller with phenolic core.

CURE TIME:

FIBERCOAT CR will harden in 12-18 hours, and cure for spill exposure within 72 hours at 75°F (24°C). For chemical immersion applications, seven days cure at 75°F (24°C) is recommended.

CLEANUP:

Cured or hardened FIBERCOAT CR will bond to practically all surfaces and is extremely difficult to remove. Clean all tools and mixer immediately after use with acetone or other solvent based cleaners.

SAFETY:

Avoid direct skin contact. If eye contact occurs, flush with water and consult a physician immediately. Keep work areas well ventilated. Never seal a container of mixed Part A and B as the continuing reaction may

cause container to explode. FIBERCOAT CR Material Safety Data Sheets are available upon request.

Limited Warranty

Milamar Coatings products are manufactured to be free of defects in material and workmanship in meeting the properties specified on its individual Product Data Sheets. Users and installers of Milamar Coatings products are solely responsible for determining the suitability of the products for specific product applications. Milamar Coatings makes no Warranty or Guarantee, express or implied, including warranties of fitness, design compatibility or merchantability, for any particular use and shall have no responsibility or liability, including direct, indirect or consequential damages, due to injury, delay or third party claims for installation or repair. Likewise, Milamar Coatings assumes no liability of any nature for products that are adjusted in the field or that do not utilize all specified Milamar Coatings components. Should any Milamar Coatings product be proved to be defective within one year from the date of shipment, Milamar Coatings will, at its sole discretion, either replace the material; issue a credit to the customer's account; or provide a cash refund for the initial, paid purchase price of the material. Potential claims regarding product quality must be received in writing by Milamar Coatings within 30 days of the discovery of such potential defect. This Warranty is exclusive of all other warranties, expressed or implied, and may only be adjusted in writing, signed by an officer of Milamar Coatings, L.L.C.

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