

DESCRIPTION:

FIBERCOAT CR is a two component Novolac Epoxy coating system, reinforced with ceramic fiber. It is designed for walls, ceilings, columns, and other surfaces, and is USDA acceptable for food processing plants. Fibercoat CR has excellent resistance to thermal shock, many acids, caustic, 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:

- EPOFIL - Masonry Filler
- All PF&L Epoxy Flooring Systems

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 1 hour ASTM C-308
Maximum Temperatures	Wet Exposure 120°F Dry Heat 170°F
Shelf Life	1 year
Color	White, Gray
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. No screens, filters, or surge tanks shall be used.

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

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

Minimum Recoat times are as follows:

12 hours at 60°F (10°C)

4 hours at 75°F (24°C)

2 hours at 90°F (32°C).

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.

IMPORTANT NOTICE TO PURCHASER:

The following is made in lieu of all warranties, expressed or implied. Seller and manufacturer's only obligation shall be to replace such quantities of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential arising out of the use of or inability to use the product. Before using, user shall determine the suitability of the product for his intended use, and user assumes all risks and liability whatsoever in connection therewith. The foregoing may not be altered unless written authorization is received from PROTECTIVE FLOORINGS AND LININGS, A DIVISION OF A. W. CHESTERTON COMPANY.

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