



# Fibercoat System

## Product Data Sheet

**DESCRIPTION:**

Fibercoat is a two-component, ceramic fiber reinforced, high build coating system. It is designed for walls, ceilings, columns, and other surfaces subject to chemical exposure. Fibercoat is a high film build system with excellent adhesion to concrete or steel.

**ADVANTAGES:**

- Easy To Clean – U.S.D.A. acceptable
- Low Odor
- High Film Build Capability
- Low Moisture Permeability
- Quick Cure, Low Down Time

**USES:**

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

**SUPPLEMENTAL PRODUCTS:**

- EPOFIL - Masonry Filler / Sealer
- PF&L Epoxy Flooring Systems
- PF&L Epoxy Lining Systems

**PACKAGING AND COVERAGE:**

**Fibercoat – 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:**

<b>Compressive Strength (ASTM C-579) &lt;resin&gt;:</b>	11,500 psi	<b>Shelf Life:</b>	1 year
<b>Tensile Strength (ASTM C-307) &lt;resin&gt;:</b>	2,300 psi	<b>Colors:</b>	White, Gray
<b>Bond Strength (on steel):</b>	3500 psi	<b>Solids by Content:</b>	By Weight: 100% By Volume: 100%

<b>Impact Strength:</b>	100 in./lbs.	<b>Indentation (MIL-D-3134F):</b>	No indentation
<b>Abrasion Resistance (ASTM D-1044):</b>	75 milligrams	<b>Working Time at 75°F (24°C) (ASTM C-308):</b>	Up to 1 hour
<b>Maximum Temperatures:</b>	Wet Exposure: 160°F Dry Heat: 250°F		

**SURFACE PREPARATION:**

FIBERCOAT 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. To minimize voids in the Fibercoat topcoat, use two coats of Epofil to fill and seal the concrete surface.

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.

Add Part B into the Part A. Using a jiffy type mixer or equivalent, mix the system for approximately two minutes or until the color is uniform. The mixed system has an approximate 30 minute pot-life at 75°F.

**\*Product may be thinned up to 10% with MEK to improve application properties.**

**APPLICATION:**

For best results, substrate temperature should be maintained at 65°-85°F (18° - 29°C) for 7 days for complete cure. Do not apply if surface temperature is below 60°F (16°C).

**Fibercoat can be applied by spray, brush, or roller.**

**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**: Use a 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 will harden in 10-14 hours for foot traffic and cure for chemical exposure in 7 days at 75°F (24°C).

**CLEANUP:**

Cured or hardened Fibercoat 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 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 exothermic reaction may cause container to explode. Fibercoat 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, 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.

**Milamar Coatings, L.L.C.**

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