

PRODUCT INFORMATION SHEET EPOFIL BLOCK FILLER

DESCRIPTION:

EPOFIL is a two component; 2:1 by volume mix ratio, 100% volume solids, filler / sealer. Epofil has excellent adhesion, and is chemical resistant to most acids, alkalis, salt solutions and oils. Due to its non-sag, lightweight consistency, it is used to permanently patch and repair vertical and overhead voids.

ADVANTAGES:

- Light weight consistency
- Excellent Chemical Resistance
- Easy To Apply – Applicator Friendly
- Quick Cure – Short Down Time
- Excellent Adhesion
- Non - Shrinking

USES:

- Filling Voids In Pre-cast Concrete And Masonry Surfaces
- Repairing Damaged Concrete

SUPPLEMENTAL PRODUCTS:

- Fibercoat CS
- 1000 CS
- 6000 Series Topcoats

PACKAGING AND COVERAGE:

EPOFIL – 2 gallon kit – covers approximately 100 square feet at 30 mils, and consists of the following -
 1 -2 gallon container - Part A (resin)
 1 - 1 gallon container - Part B (harder)

Coverage may vary depending on condition of substrate.

PROPERTIES:

Compressive Strength	4,390 psi ASTM C-579
Tensile Strength	1,550 psi ASTM C-307 (resin)
Bond Strength	Greater than 350 psi ASTM C-321 100% concrete failure
Bond Strength (on Steel)	3500 psi
Coefficient of Thermal Expansion	3.78 x 10 ⁻⁵ in./in./°F
Impact Strength	100 in./lbs.
Indentation	No indentation MIL-D-3134F
Abrasion Resistance	62 milligrams ASTM D-1044
Flammability	Does not support combustion ASTM D-635
Water Absorption	0.038% ASTM D-570
Working Time at 75°F (24°C)	25-35 minutes ASTM C-308
Maximum Immersion Temperature	140°F (60°C)
Shelf Life	1 Year
Color	Cream
Solids by Content	By Weight 100% By Volume 100%

SURFACE PREPARATION:

Epofil 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.

Metal Surfaces:

Blast the surface to near white SSPC-SP10-70 or NACE No. 2 using a Venturi blast nozzle with 100 psi air. To produce a desired 3 mil anchor profile, the blast media used shall be properly graded, clean, sharp, and angular, 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 24 hours.

Mortar - Empty entire contents of Part B into Part A and mix thoroughly for 2 minutes. Mix with a paddle mixer or low rpm drill mixer.

APPLICATION:

When using Epofil to fill holes and voids, apply the mortar using a steel finishing trowel, taping knife or rubber squeegee. Using the surrounding substrate as a guide for the application tool, strike the Epofil flush with the high points of the substrate, forcing it into the surrounding imperfections or holes. EPOFIL Patching Mortar may be sanded 12-18 hours after application depending on temperature.

CURE TIME:

EPOFIL will harden within 12-18 hours; however, 96 hours at 75°F (24°C) is recommended for chemical spills. Lower temperatures will extend required cure times. Cure can be accelerated by introducing heat to substrate. Do not heat over 120°F (49°C), and only increase at a rate of 20°F (7°C) per hour.

CLEANUP:

Cured or hardened EPOFIL 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:

Make every effort to avoid contact with skin. If accidental 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. EPOFIL 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 manufacturers 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.

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