

### 1. PRODUCT DESCRIPTION

#### A. COMPOSITION

Epox-O-Fill is a trowel applied epoxy resin and engineered aggregate underlayment. It is designed for application as a smoothing or filling compound over rough or porous substrates in an average thickness ranging from 1/32" (1.59mm) to 4" (100mm).

Epox-O-Fill can be used over a wide range of substrates and for use under virtually any finished flooring or coating. Epox-O-Fill can be applied to any thickness from near featheredge upwards. It can be used on interior or exterior surfaces, including those exposed to freeze thaw or constant water spillage.

Fast setting, Epox-O-Fill is pre-packaged for convenient unit mixing and is easy to apply. Typical set-up time at 75°F (24°C) is 6-8 hours for foot traffic and 18-24 hours for vehicular traffic.

#### B. TYPICAL USES

It is designed for uses as a smoothing compound, or to create slope for drainage beneath Dex-O-Tex surfacing material or as a patching, smoothing and resurfacing material. Epox-O-Fill can be used as a smoothing underlayment prior to placement of carpet, resilient or ceramic tiles, rubber, vinyl or wood flooring and resinous floors. It is totally VOC compliant and contains no organic solvents. It is non-toxic and has only a slight odor during placement and cure.

#### C. ADVANTAGES - LIMITATIONS

##### ADVANTAGES:

1. Superior adhesion.
2. Excellent Compressive Strength.
3. Use interior-exterior (must be covered in exterior conditions).
4. Recommended for use with Dex-O-Tex floors.
5. Fast setting.
6. Excellent freeze-thaw resistance.
7. Unaffected by de-icing salts.
8. Withstands heavy rolling loads
9. Installed only by Professional Factory Trained Dex-O-Tex Contractors.

##### LIMITATIONS:

1. Minimum ambient and surface temperatures should be 45°F (7°C) at time of placement and cure. Do not allow product to freeze prior to cure.
2. If applied in direct hot sun or high winds, cover with damp burlap to minimize or prevent surface checking.
3. A waterproofing and crack isolation membrane can be installed prior to system applications.
4. Moisture vapor emission rates (MVER) in excess of 3.0 lbs./1000 sq. ft./per 24 hour period per ASTM F1869, or an rh in excess of 78% per ASTM F2170 may result in delamination, discoloration or improper curing without proper treatment prior to installation of the flooring system. Consult with Crossfield Products Corp. for specific recommendations.

5. Vapor control primers, sloping, smoothing or leveling compounds, crack repair or isolation, waterproof membranes or other supplementary items may be required for proper installation at an additional cost. Consult with Crossfield Products Corp. for specific recommendations.

### 2. TYPICAL PHYSICAL PROPERTIES at 75°F (24°C)

- A. **Compressive Strength** ASTM C109 ..... 8,200 psi
- B. **Tensile Strength** ASTM C307 ..... 980 psi
- C. **Flexural Strength** ASTM C580 ..... 1,200 psi
- D. **Hardness** ASTM D2240, Shore D ..... 70-75
- E. **Adhesion** ASTM D4541 ..... >400 psi (100% failure in concrete)
- F. **Indentation** MIL-D-3134, Para 4.7.4.2.1 ..... 2.26% (Steadily Applied Load, 2,000 lbs. On 1" steel ram imposed for 30 min.)
- G. **Adhesion** MIL-D-3134, Para. 4.7.1.4.....305 psi (Shear from Steel Plate after 96 hours)
- H. **Water Absorption** MIL-D-3134 ..... 3.14%
- I. **Impact Resistance** (Gardner Impact Tester)  
No chipping, cracking, or delamination and not more than 0.014"

### 3. OVERVIEW OF INSTALLATION STEPS

- A. Concrete must be cleaned, sound and durable and free of all grease, paint or other foreign matter. Remove loose or spalled concrete. Vacuum surface or hose with high pressure water to remove excess dust.
- B. Primer the surface with Dex-O-Tex Bondcoat.
- C. Trowel apply Epox-O-Fill to desired elevations.
- D. Finish immediately after placing. Do not re-trowel once material begins to set up.

#### Coverage Rate

- A. One gallon of Epox-O-Fill resin with one bag of Epox-O-Fill aggregate will cover approximately 30 sq ft @ 1/4" thickness).

### 4. PRODUCT AVAILABILITY

Crossfield Products Corp. maintains offices and/or factories at all addresses listed below. Factory Trained Contractors are established in all major trading areas in the United States, Canada and various European, Latin American and Far East nations.

### 5. SPECIFICATION ASSISTANCE

Consult Crossfield Products Corp. for specification assistance, detailing, etc. This consultation is highly recommended prior to specification.

### 6. TESTING

The technical data contained herein is the result of tests made in Crossfield's laboratories or in independent laboratories using small scale equipment, following generally accepted trade practices. Although this information is believed to be true and

# Epoxy-O-Fill Underlayment

## Product Description Sheet

### Smoothing and Resurfacing Compound for Concrete

accurate, the use of different equipment for testing under dissimilar conditions or the testing of samples produced under dissimilar conditions may develop substantially different results.

#### LIMITED WARRANTY

NO WARRANTY SHALL BE EFFECTIVE UNTIL THE TERMS AND CONDITIONS OF SALE SET FORTH IN CROSSFIELD PRODUCTS CORP. INVOICE ARE MET.

Crossfield Products Corp. warrants to the purchaser of its products that such products are free from manufacturing defect. Crossfield does not warrant or guarantee the workmanship performed by any person or firm installing its products. Crossfield's obligation under this warranty is limited solely to the original purchaser and solely to the remedy of replacement in kind of any product which Crossfield sold which may prove defective in manufacture within one year from date of installation, provided said product was stored correctly and installed within the product's shelf life, by the original purchaser and which Crossfield examination shall disclose to Crossfield's satisfaction to be thus defective.

IN NO EVENT SHALL CROSSFIELD PRODUCTS CORP. BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. THIS WARRANTY IS EXPRESSLY GIVEN IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE AND ALL OTHER OBLIGATIONS OR LIABILITIES ON CROSSFIELD'S PART, AND WE NEITHER ASSUME NOR AUTHORIZE ANY PERSON OR PERSONS TO ASSUME FOR US ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF A CROSSFIELD PRODUCT. THIS WARRANTY SHALL NOT APPLY TO ANY OF CROSSFIELD'S PRODUCTS, WHICH HAVE BEEN SUBJECT TO ADULTERATION, ALTERATION, ABUSE OR MISUSE. CROSSFIELD PRODUCTS CORP. MAKES NO WARRANTY WHATSOEVER IN RESPECT TO ACCESSORIES, PARTS OR MATERIALS NOT SUPPLIED BY CROSSFIELD PRODUCTS CORP., WHICH ARE USED IN CONNECTION WITH ITS PRODUCTS. THE TERM "ORIGINAL PURCHASER" IN THIS WARRANTY MEANS THAT PERSON, CORPORATION OR ENTITY TO WHOM CROSSFIELD PRODUCTS CORP. SOLD ITS PRODUCT OR PRODUCTS. ANY ACTION TO ENFORCE ANY WARRANTY OR FOR BREACH OF CONTRACT OR ARISING OUT OF ANY CLAIM AGAINST CROSSFIELD PRODUCTS CORP. SHALL BE COMMENCED AND MAINTAINED ONLY IN A COURT OF COMPETENT JURISDICTION IN THE CONTINENTAL UNITED STATES OF AMERICA. THE PURCHASER ACCEPTS THESE TERMS AND CONDITIONS, AND HEREBY EXPRESSLY WAIVES ANY CLAIM TO ADDITIONAL DAMAGES.

CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



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