

1. PRODUCT DESCRIPTION

A. COMPOSITION

Flex-Glaze Vertical Surface Membrane Flexible Membrane System is a high build, multi-layered, flexible membrane for vertical surfaces. It employs an extremely tough and impact resistant waterproofing membrane, which is capable of bridging non-structural cracks subjected to thermal induced movement, the Scientifically Superior™ membrane for subsequent application of the finish coating or hand surface materials.

A two-component 100% solids epoxy topcoat that is recommended when odor abatement during installation is required or a high solids VOC compliant ultra-violet light stable polyaspartic topcoat is desired, which meets:

- U.S. General Services Administration Specification A-A-50542 (Coating System: Reflective, Slip Resistant, Chemical-Resistant Urethane for Maintenance Facility Floors)
- The South Coast Air Quality Management District (SCAQMD) Rule 1113, effected July 1, 2006, further restricts the allowable volatile organic content (VOC) of coatings and sealers in the following California Counties: Los Angeles, Orange, Riverside and San Bernardino only.

Flex-Glaze Vertical Surface Membrane Flexible Membrane System is applied in two or three membrane coats at 10 mils each for a total film wet-film-thickness of 20 to 30 mils. Flex-Glaze provides a seamless, durable, chemically resistant vertical membrane solution that is impervious, with exceptional chemical, staining and impact resistance. Dex-O-Tex Scientifically Superior™ Technologies eliminate the need for a primer and reduces overall installation times.

Flex-Glaze Vertical Surface Membrane Flexible Membrane System can be applied over gypsum wallboard, cement and gypsum plasters, concrete, concrete block, masonry, wood, metal and other sound surfaces. Consult Crossfield for detailed specifications for preparation of surfaces other than wallboard and plaster.

Flex-Glaze Wall Coating System cures to an inert flexible thermo-set coating system and unlike conventional paints, it is a non-food source for bacteria, algae, mold, mildew and yeast. It was designed to be used in biotech clean rooms, animal housing, laboratories and other critical areas where an environmental envelope is desired. An antimicrobial biocide additive is available when a proactive protective biocide is desired.

Flex-Glaze is often used in conjunction with Dex-O-Tex flooring systems to produce a complete integrated seamless protection envelope for a seamless floor and wall system.

B. TYPICAL USES

- Clean Rooms
- Health Care Facilities
- Surgical Rooms
- Food Processing
- Locker Rooms
- Bottling, Beverages and Spirits
- Pharmaceutical
- Research and Development
- Commercial Kitchens
- Animal Housing
- Toilet Rooms
- Chemical Storage

C. ADVANTAGES AND LIMITATIONS

ADVANTAGES:

1. Flexible and resistant to impact chipping and flaking
2. Seamless surface and continuous membrane
3. Superior Chemical Resistance
4. Does not embrittle with age
5. Available with a proactive biocide
6. LEED (Leadership in Energy and Environmental Design) Credit Points may be available under 5 Different Classifications
7. Does not contain chemicals targeted by Green Seal Standard GS-11 and LEED-CS as unacceptable
8. Installed only by Professional Factory Trained Dex-O-Tex Contractors.

LIMITATIONS:

1. Temperature during application must be 55°F to 98°F (12°C to 36°C) or greater.
2. For below grade, porous or block walls, with a 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.
3. 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.
4. Concrete block and CMU block require a smooth finish, which can be achieved with an approved Dex-O-Tex block-filler prior to placement of the epoxy system.

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

- A. **Compressive Strength** ASTM D695 4,000 psi
- B. **Tensile Strength** ASTM D412 1.250 psi
- C. **Tensile Elongation** ASTM D412 125%
- D. **Adhesion** ASTM D4541 Exceeds internal strength of backing (cement board, drywall, concrete, concrete and CMU block)
- E. **Hardness** ASTM D2240 Shore D 30-45
- F. **Thermal Cycling** ASTM C884 No Delamination
- G. **Water Absorption** MIL-D-3134 Para 4.7.8 <0.5%
- H. **Chemical Resistance** ASTM D1308
(See Chemical Resistant Chart)
- I. **Flammability** ASTM D635 Self Extinguishing over concrete
- J. **Microbial Resistance** ASTM G21 Passes Rating 1

3. OVERVIEW OF INSTALLATION STEPS

- A. Prepare smooth, clean, sound and dry surface
- B. Apply 1st membrane coat of Flex-Glaze (allow to cure 8-12 hours, sand as required)
- C. Apply 2nd membrane coat of Flex-Glaze basecoat (allow to cure 8-12 hours, sand as required)
- D. Apply 1st topcoat

System Description Sheet

FLEX-GLAZE

Vertical Surface Membrane Flexible Membrane System

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. CHEMICAL RESISTANCE

See Crossfield Products Corp.'s Chemical Resistance Guidelines for chemical resistance of a product or system, as well as the types of test performed:

- ASTM C868 Standard Test Method for Chemical Resistance of Protective Lining.
- ASTM C267 Standard Test Method for Chemical Resistance of Mortars, Grouts, and Monolithic Surfacing and Polymer Concretes.
- ASTM D1308 Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes.
- Crossfield Products Corp. Proprietary Testing.

Note: Chemical resistance is a functional test, usually limited to changes in weight or thickness measured in loss or gain and does not evaluate subject aesthetic issues. To determine aesthetic issues, Crossfield recommends testing the products or system in accordance with intended end use.

7. 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 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.



DEX-O-TEX PRODUCT LINE
Crossfield Products Corp.

West Coast Office
3000 E. Harcourt Street
Rancho Dominguez, CA
310-886-9100
310-886-9119 fax

East Coast Office
140 Valley Road
Roselle Park, NJ
908-245-2800
908-245-0659 fax



www.dexotex.com