

Product Description Sheet

Flexible Epoxy Crack Isolating, Waterproof and Fluid Proof Membrane

1. PRODUCT DESCRIPTION

A. COMPOSITION

Cheminert SC Membrane is a 100% solids, specially modified flexibilized epoxy material, that is designed to be applied under various floor and wall surfaces as a waterproofing, fluid proofing or crack isolation membrane.

Cheminert SC Membrane was developed to replace solvent containing polyurethane membranes systems subjected to a flame continue to burn, Cheminert SC Membrane is self-extinguishing on concrete when tested per ASTM D635.

B. TYPICAL USES

Cheminert SC Membrane is used as a crack isolation membrane or as a waterproof and fluid proofing membrane usually on slabs over occupied spaces. It can be used directly under liners in secondary containment areas, as well as under commercial, industrial and institutional flooring systems. Among the areas that this membrane is usually used are clean rooms, hospitals, commercial kitchens, shopping malls, industrial plants, bio-medical facilities, animal housing, mechanical equipment rooms, locker rooms, bathrooms, etc.

C. ADVANTAGES AND LIMITATIONS

ADVANTAGES:

1. Forms a monolithic, tightly adhering, molded membrane across floors and up bases, etc.
2. Thin section – no depression of slab required.
3. Flexible, even at low temperature vs. most epoxies.
4. Flexible filler for cracks and joints.
5. Properly reinforced with fiberglass fabric or scrim, it suppresses or limits reflective-cracking in Dex-O-Tex systems placed over dynamic cracks and joints that move from thermal or seismic loads.
6. Can be applied over new and existing surfaces.
7. Installed only by Professional Factory Trained Dex-O-Tex Contractors.

LIMITATIONS:

1. Concrete surfaces with working cracks greater than 1/16" must be engineered and treated prior to the application of Cheminert SC Membrane.
2. Requires functioning vapor barrier beneath on-ground concrete floor to prevent upwards water vapor transmission, which may result in loosening of epoxy floors or improper curing of epoxy materials.
3. 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.
4. 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 D695 4,000 psi
- B. **Tensile Strength** ASTM D638 1,500 psi
- C. **Tensile Elongation** ASTM D412 120% psi
- D. **Hardness** ASTM D2240, Shore D..... 35-40
- E. **Flammability** ASTM D635 Self Extinguishing
Bonded to Concrete
- F. **Water Absorption** ASTMD570 < 0.2%
- G. **Tear Strength** ASTM D638..... 120 lb/in
- H. **Microbial Resistance** ASTM G21 Passes Rating 1

3. OVERVIEW OF INSTALLATION STEPS

- A. Prepare surfaces by removal of laitance, grease, and foreign matter – consult Crossfield Products Corp. for wood surface preparation.
- B. Apply primer Dex-O-Tex C Bondcoat to floor and wall base substrate.
- C. Apply by squeegee, Cheminert SC Membrane to the primed floor and wall base surfaces.
- D. Optional fabric reinforcement is placed into wet Cheminert SC Membrane and topcoated.

4. PRODUCT AVAILABILITY

Crossfield Products Corp. maintains offices and factories at 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. SKID RESISTANCE and CLEANABILITY

In general, the more aggressive the finished surface the greater the coefficient of friction and corresponding skid resistance, the more difficult to clean. The smoother the finished texture the easier the surface is to clean, but there is a loss of skid resistant properties.

6. CLEANING

Cleaning and disinfecting compounds and cleaning techniques can affect the color, gloss, texture and performance of the system. As a precautionary step, Crossfield recommends that the end-user test their cleaning and disinfecting compounds on a sample or on a small, out of the way finished area, utilizing the intended cleaning technique prior to cleaning the entire surface area. If no deleterious effects are observed, the procedure can be continued. If the cleaning and disinfecting compounds or cleaning techniques damage the system, modification of the cleaning material or techniques will be required. Contact your Representative for additional information.

7. SPECIFICATION ASSISTANCE

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

Product Description Sheet

Flexible Epoxy Crack Isolating,
Waterproof and Fluid Proof Membrane

8. 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.

9. 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
90221
310-886-9100
310-886-9119 fax

East Coast Office
140 Valley Road
Roselle Park, NJ
07204
908-245-2800
908-245-0659 fax



www.dexotex.com