

1. PRODUCT DESCRIPTION

A. COMPOSITION

Access Floor Waterproofing is a multi-layer flooring application designed to prevent leakage into finished spaces below raised access floors in the event of flooding caused by water pipe rupture.

Access Floor Waterproofing is applied directly to concrete floors. Access floor pedestals are adhered over the Dex-O-Tex systems using adhesives as recommended by the Access Floor manufacturer.

A multi-layer installation, Access Floor Waterproofing consists of a neoprene-composition elastomeric waterproof membrane which is topped with a cementitious wear course which protects the membrane during construction, erection of access flooring, cable installation, repairs, etc.

The total thickness of Access Floor Waterproofing is 118 mils to 125 mils (3.17 mm) nominal 1/8". It is applied by trowel, brush, roller or squeegee.

Access Floor Waterproofing products are entirely waterbased and contain no hydrocarbon solvents and are completely VOC compliant, are not flammable and are environmentally safe.

The product is designed for application over new or existing concrete. Consult manufacturer for use over other surfaces. Construction details should observe good waterproofing practice such as turning up to an integral waterproof base at adjacent walls, etc.

Access Waterproofing meets adhesion requirements as specified in Ceiling and Integrated Systems Contractors' Association (CISCA) "Recommended Test Procedures for Access Floors: Section 6, Pedestal Overturning Moment Test."

B. TYPICAL USES

As combination waterproofing and protective wear course for floors over which metal access floor systems are erected.

C. ADVANTAGES AND LIMITATIONS

ADVANTAGES:

1. Forms a monolithic, tightly adhering, waterproof system across floors and up bases, curbs, etc.
2. Can be applied over new or existing surfaces.
3. Provides both protective floor finish and membrane in same application.
4. Environmentally safe. No toxic odor or flammable hazard during installation.
5. Installed only by Professional Factory Trained Dex-O-Tex Contractors.

LIMITATIONS:

1. Wear course or system subject to damage from sharp heavy objects. Damage can readily be repaired.
2. A waterproofing and crack isolation membrane can be installed prior to system application.
3. Moisture vapor emission rates (MVER) in excess of 3.0 lbs./1000 sq/ft/per 24 hr. 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)

MEMBRANE COMPONENTS

- A. **Waterproofness** ASTM D751 No moisture penetration (suspended sample subject to 2' water head for 40 hours)
- B. **Puncture Resistance** No moisture penetration (Ceramic Tile Institute waterproof membrane puncture resistance test)
- C. **Tensile Strength** ASTM D751..... 208 psi
- D. **Elongation** ASTM D7511,150%

WEAR COURSE COMPONENT

- A. **Adhesion** ASTM C882 (Type 1) 515 psi
- B. **Shore Hardness** ASTM D2240 Shore A80-85
- C. **Impact Resistance** MIL-D-3134 Para. 4.7.3
No cracking or detachment
- D. **Flammability** ASTM E84 Flame Spread 4
Smoke Density 0

COMBINED SYSTEM

- A. **Thickness** 1/8" (118 mils/3.17 mm)
- B. **Pedestal Adhesion** CISCA Recommended Test Procedures for Access Floors: Sect. 6 Pedestal Overturning Moment Test Complies (1.228 in/lbs.)

3. OVERVIEW OF INSTALLATION STEPS

- A. Prepare surfaces by removal of dirt, grease, foreign matter.
- B. Strip all concrete cracks, construction joints with 10" width elastomeric membrane with polypropylene fabric reinforcing.
- C. Apply neoprene elastomeric waterproofing by brush, squeegee, roller or trowel

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. 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.

System Description Sheet

Access Floor Waterproofing 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.

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

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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