



1. PRODUCT DESCRIPTION

A. COMPOSITION

Dex-O-Tex Neobond is a composite system consisting of a proprietary Neoprene rubber emulsion waterproofing membrane with a fabric reinforced cementitious protection layer. It is designed for use beneath ceramic tile, marble, quarry tile, and certain types of troweled composition flooring. It can also be used for between slabs or below grade waterproofing applications. It is applied to substrates and molded up onto bases, over curbs, etc. without the use of any adhesive other than its own composition.

Among the substrate surfaces which Dex-O-Tex Neobond can cover are concrete, wood or plywood (after special preparation). The membrane portion of the system is typically installed at a thickness of 40 mils (10.17mm). The fabric reinforced protection layer is typically installed between 125 mils (3.17mm) and 210 mils (5.33mm). The finished system is usually 150 mils plus (3.8mm plus).

B. TYPICAL USES

As fracture resistant waterproof membrane directly under ceramic tile, quarry tile, marble and seamless composition flooring in washrooms, showers, promenade decks (in certain climatic regions), between slabs, under computer access flooring, mechanical equipment rooms, toilet rooms, shopping malls, medical research animal housing, commercial kitchens, etc.

C. ADVANTAGES-LIMITATIONS

ADVANTAGES

1. Provides positive waterproofing.
2. Crack Isolation. Reduces reflective racking from the substrate to the final finish due to minor cracking in the substrate.
3. Forms a monolithic tightly adhering molded membrane across floors and up bases, curbs, etc.
4. Thin section. No depression of slab required.
5. Installed by Approved Dex-O-Tex Applicators.
6. Can be applied over new or existing surfaces.
7. Environmentally safe. Contains no Organic solvents, and is VOC compliant.

LIMITATIONS

1. Requires sound and properly prepared substrate. All loose or unsound concrete must be removed and repaired with a Dex-O-Tex underlayment prior to the application of Neobond.
2. Waterproofing must terminate at seismic or expansion joints.
3. Temperature must be between 40°F (10°C) and 110°F (43°C) during installation.
4. Concrete substrate must be sound and durable and free of large "working" cracks to prevent reflection through finish.

5. 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.
6. 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. Bond Strength** ASTM C482 (modified) Dry 77 psi
Wet 62 psi
- B. Tensile Strength** Ceramic Tile Inst. SE S763 Dry 46 psi
Wet 50 psi
- C. Breaking Strength** ASTM D751 265 psi
- D. Elongation Fabric Reinforced** ASTM D751 50.5%
- E. Hydrostatic Pressure Resistance** ASTM D751 240 psi
Method A, Procedure 1
- F. Ozone Resistance** ASTM D1149
(72 hrs @ 100 ppm No cracking, 90°F plus hydrostatic crazing or waterFHA 4900.1) penetration
- G. Dimensional Stability** ASTM D1204 <0.5%
- H. Indention Resistance** FMA 4900.1, Sect. 615-5
No water (shower pans) penetration
- I. Puncture Resistance** FMA 4900.1, Sect. 615-5
No water (shower pans) penetration
- J. System Performance** ASTM C627 (Modified to Comply with
Ceramic Tile Institute moderate Split Slab procedure
Commercial) No Water Penetration
- K. Microbial Resistant** ASTM G21 Passes Rating 2

3. INSTALLATION

- A.** Prepare surfaces by removal of laitance, grease, foreign matter, etc. Repair damaged concrete or provide sloping using Dex-O-Tex underlayment.
- B.** Apply Cementitious Bondcoat to floor and wall base surfaces.
- C.** Apply Neoprene liquid rubber membrane.
- D.** Apply cementitious protection coat and embed reinforcing fabric while still wet.
- E.** Apply additional protection layer (optional).

System Description Sheet

Fracture Resistant Waterproof Membrane

4. PRODUCT AVAILABILITY

Crossfield Products Corp. maintains offices and factories at all addresses listed below. Factory Trained Dex-O-Tex Contractors are established in all major trading areas in the United States, Canada and various European and Far Eastern nations.

5. MAINTENANCE

For maximum sheen and cleanability floor should be routinely treated with conventional maintenance finish followed by ordinary buffing.

6. SPECIFICATION ASSISTANCE

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

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.

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CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



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