

1. PRODUCT DESCRIPTION

A. COMPOSITION

Dex-O-Tex Flex-Shield Flooring is a high tensile strength semi-flexible waterproof, fluid-proof flooring system designed to absorb heavy impact, resist chipping and cracking, and provide crack isolation. Flex-Shield is a two-component, fluid applied Seamless epoxy resin formulation that is impact resistant, chemical resistant and slip resistant. Flex-Shield is applied at a thickness of approximately 1/8".

Dex-O-Tex Flex-Shield Flooring is resistant to a wide range of acids, solvents and food fats (see Chemical Resistance Tables). Flex-Shield Flooring can be installed over concrete, metal or ceramic surfaces. An integral sanitary coved base can be incorporated with the Flex-Shield Flooring application.

Flex-Shield Flooring is available in 9 standard colors and is available in various slip-retardant "profiles".

B. TYPICAL USES

Floors for industrial use and heavy impact including: loading docks, machine shops, automotive, mechanical equipment rooms, aero-space, food processing areas, kitchen, service areas and mezzanines.

C. ADVANTAGES/LIMITATIONS

ADVANTAGES

1. Impact resistant
2. Waterproof, Fluid-Proof
3. Monolithic; can incorporate integral cove base.
4. Resistant to many chemicals. (See Chemical Resistance Charts)
5. Produces a rapidly installed seamless floor at moderate cost.
6. Installed by Factory Trained Contractors.
7. High flexural and tensile strength.

LIMITATIONS

1. Discoloration may occur under UV exposure, use Dexotex Quik-Glaze where UV stability is required.
2. Movement or cracks in substrate over 1/16" may result in reflective cracking through flooring system.
3. Ph levels of substrate should not exceed a pH value of 12.5
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. PHYSICAL CHARACTERISTICS AND TECHNICAL DATA

1. Tensile Strength

ASTM C307..... 1,500 psi

2. **Tensile Modulus** 17,150 psi

3. **Tensile Elongation**.....96%

4. **Tear Strength**.....120 lb./in.

5. **Bond Strength (A.C.I. #403)** 400 psi
(100% concrete failure)

6 Surface Hardness

ASTM D2240.....55 Shore D

3. INSTALLATION

Preparation

Prepare surfaces by careful and thorough removal of laitance, grease, bond inhibiting concrete curing sealers and other foreign matter.

Primer

Apply by brush or trowel a thin coating of Cheminert C Bondcoat.

Membrane

Apply waterproof, fluid-Proof membrane at 30 mils dft

Floor Basecoat

Fluid apply resin and broadcast aggregate mixture to a provide a nominal thickness of 1/8"

Sealer

Apply additional coat of pigmented top coating to desired texture or surface profile.

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. MAINTENANCE

Regular scrubbing with ordinary detergents and water flushed in between cycles to be determined by type and degree of usage.

6. 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.

7. 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.

8. SPECIFICATION ASSISTANCE

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

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.

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CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



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