

1. PRODUCT DESCRIPTION

A. COMPOSITION

Dex-O-Tex Acousti-Fill is a lightweight, latex composition, trowel-applied flooring underlayment. Dexotex Acousti-Fill contains a sound, absorptive, vibration-damping aggregate, which markedly reduces Impact Noise Radiation (INR) and improve the Sound Transmission Classification (STC)

Dexotex Acousti-Fill is designed for installation beneath various floor finishes (i.e. carpet, resilient tile, ceramic tile, promenade decking or various troweled composition flooring materials). Thickness generally recommended and specified for optimum acoustical performance is 1", depending upon acoustical qualities desired.

Acousti-Fill Underlayment is frequently used over suspended-slab concrete floor surfaces. Dex-O-Tex waterproof floor finish should be applied over Acousti-Fill where waterproofing is required.

Acousti-Fill can be applied over concrete, metal or wood surfaces. (Consult Crossfield Products Corp. for detailed specification for wood surfaces).

B. TYPICAL USES

1. As an underlayment over plywood sub floors to reduce sound transmission (primarily under tile or wood flooring).
2. As an underlayment used beneath promenade deck systems where sound transmission is of concern (apartments, condominiums, etc.).
3. An underlayment for mechanical equipment rooms and many other areas where vibration dampening and sound transmission reduction through floors is desired.

C. ADVANTAGES AND LIMITATIONS

ADVANTAGES:

1. Reduces Impact Noise Radiation (INR) and improves Sound Transmission Class (STC)
2. Monolithic
3. Light weight
4. Quick installation over wide range of new existing surfaces
5. Green Technology
6. No toxic odors during installation
7. Installed by Qualified Dex-O-Tex Contractors – factory trained and approved

LIMITATIONS:

1. Under extreme atmospheric and installation conditions floors may develop minor shrinkage cracks upon drying. These will have no effect upon material performance.
2. Not recommended for areas intended for heavy rolling loads and trucking.
3. Moisture vapor emission rates (MVER) in excess of 6.0 lbs/1000 SF/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)

A. Compressive Strength

ASTM C109 (2"x2" cube) 250 p.s.i.

B. Surface Hardness

ASTM D2240 (Durometer) Scale "A" 75
Scale "D" 20

C. Indentation Characteristics

(Impacted Load) MIL-D-3134, Para 4.7.3 (2lb. ball)
..... No cracking or loss of bond indentation 0.047"

D. Adhesion..... 125 p.s.i.

MIL-PRF-3135, Para 4.5.12 (Shear from steel plate)

E. Resistance to Elevated Temperature

No flow or slip
MIL-PRF-3135, Para 4.5.5 Complies

F. Density Weight per Cu. Ft. 60 lbs.

G. Weight pounds per sq. ft. at 1" thickness..... 5 lbs.

H. Impact Noise Radiation (INR)

At 1" Thickness ASTM E492 INR 0

I. Sound Transmission Class (STC)

At 1" Thickness ASTM E413-04 STC 51
At 1/2" Thickness over 6" Thick concrete STC 49

J. Yield..... 13 ft² at 1" thickness

3. INSTALLATION

1. Preparation: Prepare surface by removal of laitance, grease, foreign matter, etc.
2. Mix and apply surface wetting mix by trowel or bush.
3. Trowel apply underlayment body coat to specified thickness

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

Dex-O-Tex Acousti-Fill Underlayment is not designed as an exposed finish and should be protected with a seamless overlay or other type of floor finish. This being the case, no maintenance is required.

6. SPECIFICATION ASSISTANCE

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

Product Description Sheet

Acousti-Fill Flooring Underlayment

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

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CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



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