Acousti-Fill Sound Dampening Underlayment
Modified Latex Liquid and Sound Dampening Aggregate

DESCRIPTION
Acousti-Fill Underlayment is a lightweight, latex composition, trowel-applied flooring underlayment containing a sound, absorptive, vibration-damping aggregate, which markedly reduces Impact Noise Radiation (INR) and improve the Sound Transmission Classification (STC). Designed for installation beneath various floor finishes such as carpet, resilient tile, ceramic tile, promenade decking, epoxy or various troweled composition flooring material.

Thickness generally recommended and specified for optimum acoustical performance is 1”, depending upon acoustical qualities desired.

Theoretical Coverage Rates

<table>
<thead>
<tr>
<th>Depth</th>
<th>Thickness</th>
<th>Coverage Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2 inch</td>
<td>12.7 mm</td>
<td>500 mils</td>
</tr>
<tr>
<td></td>
<td></td>
<td>14 Square Feet Per Kit</td>
</tr>
<tr>
<td>1 inch</td>
<td>25.4 mm</td>
<td>1000 mils</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6 Square Feet Per Kit</td>
</tr>
</tbody>
</table>

Kit and Packaging sizes (1 kit = 1 Gallon of G26 Liquid + 1 Bag of Acousti-Fill Aggregate)

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1150</td>
<td>Acousti-Fill STC Powder</td>
<td>35 Lbs. / 15.87 KG</td>
</tr>
<tr>
<td>0880</td>
<td>G26 Paste</td>
<td>45 Lbs. / 20.41 KG</td>
</tr>
</tbody>
</table>

* Please refer to price list to purchase each component separately*

Installation Guideline for the complete Acousti-Fill Underlayment System

**Step 1**: Pour contents of **G26 Bond Coat** onto working surface and spread using a notched squeegee or epoxy roller. Refer to G-26 Bond Coat TDS for application details.

**Step 2**: Pre-Mix G26 single component liquid, and then combine with 1 bag (35lbs) of Acousti-Fill STC Powder. Mix together thoroughly.

**Step 3**: Dump the mixture onto the working surface and trowel smooth to desired thickness. Usually this is around 1 inch. **Be advised, this is an extremely dry pack system.**

**Step 4**: When the Acousti-Fill is fully cured, scape with a dry trowel to remove any excess material.

**Step 5**: Optional- Mix and pour TM Grout Resin onto the working surface. Work the TM Grout Resin into the cured material with a squeegee trowel. Remove any excess TM Grout and allow to cure. (Refer to TM Grout App Spec.)

**Step 6**: Apply desired primary decking system over cured/Grouted underlayment system.
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Surface Preparation
Metal deck surfaces should be cleaned free of rust, loose scale, and dirt in accordance with SSPC SP11/NACE No 6. Grease and oil should be removed with approved solvents and clean rags in accordance with SSPC SP-1. The resulting surface should be clean and bright and protected against corrosion before Dex-O-Tex materials are applied. Very Lightweight Underlayment system may be applied to a cured Navy Formula 150 Primer, MIL-DTL-24441, MIL-PRF23636 or Manufacturer Bond Coat or VLW Primer. Consult your local Dex-O-Tex Marine Rep. when wood or other deck surfaces are involved.

Job Site Survey
Measure and record ambient temperature and humidity, surface temperature and the temperature of the material being used. Do not proceed with the application if the conditions are outside the recommended parameters. Inspect materials to be used. Verify material is the proper material and all components and sizes are correct. Inspect all containers and verify a proper factory seal with no signs of damage or leakage. Premix Liquid materials into a smooth homogenous blend before uses.

Environmental Conditions for Application
All materials are mixed, applied and cured at the job site. Multiple environmental conditions are required to facilitate proper curing and performance of the products. Ensure conditions are in accordance with the following requirements.

<table>
<thead>
<tr>
<th></th>
<th>Min. 55°F</th>
<th>Max. 95°F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substrate Temp</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Relative humidity</td>
<td>Min. &lt;10%</td>
<td>Max. 90%</td>
</tr>
<tr>
<td>Ambient Air Temp</td>
<td>Min. 45°F</td>
<td>Max. 100°F</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Min. 55°F</th>
<th>Max. 95°F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry to Re-Coat or Use</td>
<td>14Hrs at 65°F</td>
<td>10Hrs at 75°F</td>
</tr>
<tr>
<td>Max Re-Coat</td>
<td>48Hrs at 65°F</td>
<td>44Hrs at 75°F</td>
</tr>
<tr>
<td>Cure to Full Service</td>
<td>52Hrs at 65°F</td>
<td>48Hrs at 75°F</td>
</tr>
</tbody>
</table>

Material Disclosure
Materials should be delivered in original packages and containers with seals unbroken and bearing manufacturer's labels containing brand name and directions for storage and mixing with other components. Check materials immediately upon receipt, verify all the correct materials in the correct packaging are accounted for in good condition. Sort the materials and store them in a tempered storage area.

Applicator Notes
For proper workability it is important the Dex-O-Tex materials be stored and mixed at a temperature between 65°F-80°F. A warm substrate will decrease the pot life and make the materials sticky. A cooler substrate will lengthen the cure time and may cause a blush of the polymeric resins. Decking surfaces and room temperature of 65°F or slightly higher must be maintained for the duration of the Cure to Full Service time. When mixing the polymeric resin components, be sure to use all the provided resins. The resins are premeasured to the correct ratios. Scrape all the hardener from the container into the resin. Do not turn mixing vessels upside down to drain on the flooring surface. Unmixed resin from the side may produce soft or uncured spots on the flooring surface. Keep the unfinished flooring surface clean. Do not track dirt, grease, or any other contaminates onto the unfinished decking surface. Any contaminate could negatively affect the aesthetics of the finished flooring. Good ventilation must be provided during application, particularly in confined spaces. Always obtain, read and observe manufacturers Safety Data Sheets (SDS) before handling polymeric materials.
Warranty Information

No warranty shall be effective until the terms and conditions of sale set forth in Crossfield products corp.’s 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.

Notes:

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

(Imacted 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