The original sound control mat just got better. Acousti-Mat® 3/8 Premium provides additional impact noise control with an added layer of high performance acoustical fabric. The Premium layer is laminated to the bottom of a core of fused entangled polymeric filaments, which is attached to a non-woven, water-resistant fabric. To complete the Maxxon engineered sound control system, Acousti-Mat 3/8 Premium is topped with a high-strength Maxxon Underlayment.

Acousti-Mat 3/8 Premium increases the IIC levels of the floor/ceiling assembly by up to 17 points over wood frame construction and up to 25 points over concrete construction. Acousti-Mat 3/8 Premium is an approximate 0.375" (10 mm) thick mat and requires only a 1" topping.

FEATURES & BENEFITS

- Increases IIC rating up to 17 points over wood frame and up to 25 points over concrete
- Acousti-Mat 3/8 Premium combines acoustical fabric with entangled mesh for an overall approximate 0.375" (10 mm) mat profile
- Requires only a 1" topping
- GREENGUARD and GREENGUARD Gold Certified
**TECHNICAL DATA**

**Description**
- Entangled polymeric filament mat
- Attached to non-woven fabric
- Premium layer: microfibrous non-woven fabric

**Color**
- Clear with white water-resistant fabric

**Thickness, nominal**
- 0.375" (10 mm)

**Density**
- 3.84pcf (61.56 kg/m³)

**Thermal Resistance**
- R-Value
  - Mat Only: 0.038
  - 1" Maxxon Underlayment: 0.021

**Pressure/Deflection**
- 500 psf (2.441 kg/m²): 0.067" (1.70 mm)
- 1,000 psf (4.882 kg/m²): 0.116" (2.95 mm)
- 2,000 psf (9.765 kg/m²): 0.172" (4.37 mm)
- 4,000 psf (19.530 kg/m²): 0.244" (6.20 mm)

**Underlayment Depth**
- 1" (25 mm)

**Fire Performance**
- ASTM E-84
  - Fuel Contribution: 0
  - Smoke Density: 0
  - Flame Spread: 0

**SOUND PERFORMANCE***

<table>
<thead>
<tr>
<th>Floor System</th>
<th>Minimum Tapping Depth</th>
<th>Sound Mat</th>
<th>Resilient Channel</th>
<th>Ceiling</th>
<th>Floor Coverings</th>
<th>Ratings</th>
<th>Test Report</th>
</tr>
</thead>
<tbody>
<tr>
<td>PARALLEL CHORD TRUS.</td>
<td>3/4&quot;</td>
<td>None</td>
<td>Yes</td>
<td>5/8&quot;</td>
<td>Tile</td>
<td>F-SC 37</td>
<td>F-13-125</td>
</tr>
<tr>
<td>1&quot;</td>
<td>Acousti-Mat 3/8 Premium</td>
<td>Yes</td>
<td>5/8&quot;</td>
<td>None</td>
<td>F-STC 62</td>
<td>226-12.5</td>
<td></td>
</tr>
<tr>
<td>1&quot;</td>
<td>Acousti-Mat 3/8 Premium</td>
<td>Yes</td>
<td>5/8&quot;</td>
<td>Tile</td>
<td>F-SC 37</td>
<td>F-13-133</td>
<td></td>
</tr>
</tbody>
</table>

*SOUND TEST INFORMATION: All acoustic testing was done by Architectural Testing, Ramboll Testing Laboratories, Intertek, Inc., Twin City Testing Corporation, Maxxon R&D Test Center, D.L. Adams Associates, L.T.D., Fenwal Lunar Associates, NCG Testing Services, All Groups, or JPL Acoustics. For type of floor covering used, channel spacing and other information, contact Maxxon for test reports by number. International Building Code (IBC) requires a minimum 50 STC/RC (45 F STC, 40 RC) in multi-family construction. Based on STC/RC of 50 provides only marginal sound control, the International Code Council (ICC), author of the ICC, now recommends that an “acceptable” level of performance for both STC and RC is 60 (57 if field tested). Maxxon Underlayment and Acousti-Mat are but single components of an effective sound control system. No sound control system is better than its weakest component. Care must be taken in the installation of all components of construction to ensure the ultimate designed acoustical performance.

**WARRANTY:** See website for complete warranty information.

---

**ACOUSTI-MAT INSTALLATION**

1. **Sound mat is loose laid over the entire concrete or wood subfloor.**
2. **Seams between sections of sound mat are adhered with zip-strips or taped.**
   *Once the mat has been loose laid, no further penetrations should be made. Rigid attachment through the sound mat minimizes the sound performance.*
3. **Isolation strips are installed, then taped, around the perimeter of the entire room to eliminate flanking paths.**
4. **Sound mat is topped with an approved Maxxon Underlayment, at a depth specific to the application. To ensure uniform depth and a smooth finish, installers use a screed to finish the underlayment surface.**
   *If Acousti-Mat is installed only in hard surface areas, the underlayment is poured directly over the subfloor in areas to be covered with carpet and pad.*
5. **In as little as two hours after the underlayment has been poured, the floor is hard enough to accommodate foot traffic, so light subbases may continue working. Total drying time varies depending on the type of finished goods to be installed, but is generally completed within 7 to 10 days.**

---

**LEED® INFORMATION**

For information regarding how Acousti-Mat 3/8 Premium may contribute toward points for LEED project contribution, contact your Regional Representative at (800) 356-7887 or visit www.maxxon.com/go.green.

---

**ACOUSTI-MAT 3/8 PREMIUM**

For more info: 800-356-7887  • Email: info@maxxon.com  www.MaxxonCorporation.com