Ideal for luxury developments, Acousti-Mat® 3/8 creates sound-rated floors that achieve the higher IIC and STC levels established by the International Code Council for ‘recommended’ or ‘preferred’ noise reduction. A durable and proven solution, it is the only mat that has been tested after 10 years of use. Acousti-Mat 3/8 retained 97% of its original thickness, was as pliable as a new roll, and performed equally to a newly manufactured roll. It increases IIC levels up to 13 points over wood frame, and up to 20 points over concrete. When installed with a Maxxon Underlayment, it also increases the STC rating 6–15 points over a bare wood frame system. Acousti-Mat 3/8 meets the stringent VOC emissions criteria of GREENGUARD and GREENGUARD Gold Certification.
**Sound Mat Installation**

1. **Sound Mat is loose laid over the entire concrete or wood subfloor.**
   - Sound mat is a loose-laid mat that provides initial underlayment and minimizes noise transmission.

2. **Seams between sections of sound mat are adhered with zip-strips or taped.**
   - Proper installation ensures a smooth, continuous surface, reducing noise transmission.

3. **Isolation strips are installed, then taped, around the perimeter of the entire room to eliminate flanking paths.**
   - Edges of the sound mat need to be taped to prevent sound leakage.

4. **Sound mat is topped with an approved Maxxon Underlayment, at a depth specific to the application.**
   - The underlayment is a crucial component that enhances the overall sound reduction performance.

5. **In as little as two hours after the underlayment has been poured, the floor is hard enough to accommodate traffic, so light subtrades may continue working.**
   - Once the underlayment has set, light subtrades can continue with the installation of finishing touches.

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**Table of Sound Test Information**

<table>
<thead>
<tr>
<th>Floor System</th>
<th>Topping</th>
<th>Insulation</th>
<th>Resilient Channel</th>
<th>Clinking Drywall</th>
<th>Floor Covering</th>
<th>Rating</th>
<th>Test Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>2x10 WOOD (JOIST) w/ 3/8” (9.5 mm) plywood subfloor</td>
<td>1” (25 mm) Maxxon®</td>
<td>No</td>
<td>No</td>
<td>None</td>
<td>3/8” (10 mm) Ceramic</td>
<td>50 STC</td>
<td>05 72550-7</td>
</tr>
<tr>
<td>PARALLEL CHORD TRUSS</td>
<td>1” (25 mm) Maxxon®</td>
<td>No</td>
<td>No</td>
<td>None</td>
<td>3/8” (10 mm) Ceramic</td>
<td>50 STC</td>
<td>05 72550-7</td>
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<tr>
<td>4” PRECAST CONCRETE</td>
<td>2” (51 mm) Maxxon®</td>
<td>No</td>
<td>No</td>
<td>None</td>
<td>3/8” (10 mm) Ceramic</td>
<td>50 STC</td>
<td>05 72550-7</td>
</tr>
<tr>
<td>8” CONCRETE</td>
<td>2” (51 mm) Maxxon®</td>
<td>No</td>
<td>No</td>
<td>None</td>
<td>3/8” (10 mm) Ceramic</td>
<td>50 STC</td>
<td>05 72550-7</td>
</tr>
<tr>
<td>8” HOLLOWCORE PRECAST CONCRETE</td>
<td>2” (51 mm) Maxxon®</td>
<td>No</td>
<td>No</td>
<td>None</td>
<td>3/8” (10 mm) Ceramic</td>
<td>50 STC</td>
<td>05 72550-7</td>
</tr>
<tr>
<td>HAMBOO D-500 COMPOSITE FLOOR SYSTEM</td>
<td>2” (51 mm) Maxxon®</td>
<td>No</td>
<td>No</td>
<td>None</td>
<td>3/8” (10 mm) Ceramic</td>
<td>50 STC</td>
<td>05 72550-7</td>
</tr>
<tr>
<td>TJI JOIST w/ 2” (51 mm) T&amp;G彝wood subfloor</td>
<td>2 layers - 5/8” (15 mm) Ceramic</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>90-155</td>
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</tbody>
</table>

**Warranty Information:**

- For information regarding how Maxxon 3/8™ may help contribute to points for LEED project contribution, contact your Regional Representative at (800) 336-7887 or visit www.maxxon.com/gs_green.
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.

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.

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

IDEAL UPGRADE FOR CONDOMINIUM LIVING

The MULTIFAMILY STANDARD OF SOUND CONTROL
ACOUSTICAL SOLUTIONS

For every environment of your life.

2420 Grenoble Road
Richmond, VA 23294
Toll Free: 800-782-5742

ACOUSTI-MAT 3/8 PREMIUM

TECHNICAL DATA

Description: Entangled polymeric filament mat attached to a non-woven fabric.
Color: Clear with white water-resistant fabric.
Thickness, nominal: 0.375” (10 mm).
Density: 84pcf (61.56 kg/m³).
Thermal Resistance: R-Value:
  - Mat Only: 1.380
  - 1” Maxxon Underlayment: 0.192
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:
  - Gypsum Underlayment: 1” (25 mm).
Fire Performance:
  - ASTM E-84: 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 TRUSS</td>
<td>3/4</td>
<td>None</td>
<td>Yes</td>
<td>5/8”</td>
<td>Tile</td>
<td>F-13</td>
<td>1325</td>
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<td></td>
<td>1”</td>
<td>AcoustiMat 3/8 Premium</td>
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<td>5/8”</td>
<td>None</td>
<td>FSTC 62</td>
<td>22612-5</td>
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<tr>
<td></td>
<td>1”</td>
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<td>Yes</td>
<td>5/8”</td>
<td>Tile</td>
<td>FIC 58</td>
<td>1333</td>
</tr>
</tbody>
</table>

*SOUND TEST INFORMATION: All acoustic testing was done by Architectural Testing, Rockwell Testing Laboratories, Intertek, Inc., Twin City Testing Corporation, Pass/Lab Test Center, D.L. Adams Associates, L.T.B.; Nsanelabs Associates, NCS Testing Services, AV Group or JGL Acoustics. Type of floor covering, ceiling, spacing and other information, contact Maxxon for test reports by number.

WARRANTY: See website for complete warranty information.

FIRE/RATINGs

UL Design:
- G230
- G516
- G524
- G551
- G553
- G560
- G563
- G566
- G574
- G587
- G590
- G597
- G617
- G619
- G620
- G660
- G663
- G666
- G669
- G230
- L201
- L202
- L204
- L206
- L208
- L210
- L212
- L214
- L216

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 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.
3. Isolation strips are installed, then taped, around the perimeter of the entire room to eliminate flanking paths. Isolation strips are also installed, then taped, around any vertical penetration through the floor.
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 lights sub Trades may continue working. Total drying time varies depending on the type of finished floor goods to be installed, but is generally completed within 7 to 10 days.
Acousti-Mat® 3/4 is the sound deadening solution for floor systems that have been impossible to control. Reduce noise complaints — even in open beam, concrete slab and conventional wood frame systems. Acousti-Mat 3/4’s core of fused, entangled filaments is attached to a water resistant, non-woven fabric, creating the largest air void of any sound control mat. Acousti-Mat 3/4 increases IIC levels up to 17 points over wood frame, and up to 25 IIC points (or more) over concrete. When installed with Maxxon® Underlayment, it also increases the STC rating 6–15 points over a bare wood frame system. Acousti-Mat 3/4 is GREENGUARD Gold Certified.
**Sound Mat** is loose laid over the entire concrete or wood subfloor.

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.*

Isolation strips are installed, then taped, around the perimeter of the entire room to eliminate flanking paths. Isolation strips are also installed, then taped, around any vertical penetration through the floor.

*Install approved reinforcement over mat.*

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. To ensure uniform depth and a smooth finish, installers use a screed to finish the underlayment surface.

For information regarding how Acousti-Mat 3/4 may contribute toward points for LEED project contribution, contact your Regional Representative at (800) 356-7887 or visit www.maxxon.com/go_green.
MAXXON'S HIGHEST PERFORMANCE SOUND CONTROL MAT

For challenging floors, like those found in warehouse-to-multifamily conversion projects, only the best will do. Acousti-Mat® 3/4 Premium delivers top quality noise reduction by combining the proven sound reduction of Acousti-Mat’s floating floor technology with an added layer of isolation. The Premium layer of acoustical fabric is laminated to the bottom of a core of fused entangled filaments, which is attached to a non-woven, water-resistant fabric. Acousti-Mat 3/4 Premium is then topped with a high-strength Maxxon Underlayment.

Acousti-Mat 3/4 Premium increases the IIC levels of the floor/ceiling assembly by up to 20 points over wood frame construction and up to 30 in concrete construction. At a height of 3/4” and requiring only a 1 1/2” reinforced topping, Acousti-Mat 3/4 Premium provides ultimate sound control without significantly increasing the overall floor height over regular Acousti-Mat 3/4. The entire Maxxon system is covered by one warranty, and is also GREENGUARD and GREENGUARD Gold Certified.

FEATURES & BENEFITS

- Increases IIC rating up to 20 points over wood frame and up to 30 points over concrete.
- Acousti-Mat 3/4 Premium combines acoustical fabric with entangled mesh, for an overall approximate 0.75” mat profile.
- GREENGUARD and GREENGUARD Gold Certified.
Top of the line sound control made a little extra Premium.

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 and white acoustical fabric
Thickness, nominal .............. 0.75" (19 mm)
Density ............................... 3.57 pcf (57 2 kg/m³)
Thermal Resistance R/Value
Mat Only ............................... 2.150
1 1/4" Maxxon Underlayment .... 2.088
Mat/Underlayment .................. 2.438
Pressure/Deflection
50 psf (244 kg/m²) .................. 0.013" (0.33 mm)
100 psf (488 kg/m²) ................ 0.031" (0.79 mm)
500 psf (2,440 kg/m²) .............. 0.128" (3.25 mm)
1,000 psf (4,880 kg/m²) .......... 0.218" (5.54 mm)
Underlayment Depth
Gypsum Underlayment ............. 1.5" (38 mm) Reinforced

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

SOUND TEST INFORMATION: International Building Code (IBC) requires a minimum STC/RC (45-55 STC/RC) in multifamily construction. Because an STC/RC of 50 provides only marginal sound control, the International Code Council (ICC), author of the IBC, now recommends that an “acceptable” level of performance for both STC and RC is 55 (52 if field tested). The “preferred” level of performance for STC and RC is 60 (57 if field tested). Maxxon Underlayments 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 selection and installation of all components of construction to ensure the ultimate designed performance. All acoustical testing was done by Architectural Testing; Riedel Testing Laboratories; Worldtek, Inc.; Intertek; Twin City Testing Corporation; Absco R & D Test Center; O.L. Adams Associates, LTD.; Woodframe Laboratories; AG Testing Services; AD Group; Acoustical Testing Corp; Lawrence Building Technologies; AEC Building Solutions; Building Systems Design; Acoustical Testing; and Intertek. Reports are technical reports which verify that specific products meet the following code requirements and warrant regulatory approval. Minimum code requirements: Sound - STC 50; RC 40.

For complete warranty information, contact your Regional Representative or visit our website for complete warranty information.

ACOUSTI-MAT INSTALLATION

Step 1: Sound mat is loose laid over the entire concrete or wood subfloor.
Step 2: Seams between sections of sound mat are adhered with zip-strips or taped. *
Step 3: Isolation strips are installed, then taped, around the perimeter of the entire room to eliminate flanking paths. Isolation strips are also installed, then taped, around any vertical penetration through the floor.
Step 4: Approved reinforcement is installed over the sound mat. The sound mat and reinforcement are then 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.)
Step 5: In as little as two hours after the underlayment has been poured, the floor is hard enough to accommodate foot traffic, so light subtrades may continue working. Total drying time varies depending on the type of finished floor goods to be installed, but is generally completed within 10 to 14 days.

ACOUSTI-MAT 3/4 PREMIUM

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Richmond, VA 23294
Toll Free: 800-782-5742

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