Today’s popular floor coverings such as vinyl plank, tile and hardwood floors often present sound control challenges. Acousti-Mat® LPR (LP with Reinforcement) provides quality sound control with easy installation. With proven sound test results, Acousti-Mat LPR can help achieve higher IIC ratings in your projects.

Acousti-Mat LPR can be installed directly on the wood subfloor, then covered with a high-strength Maxxon Underlayment. The strong entangled mesh at its core provides the reinforcement necessary for any of Maxxon’s high-strength underlayments. Acousti-Mat LPR now meets the stringent VOC requirements of GREENGUARD Gold Certification and may help contribute toward points for LEED® project certification.
Noise Happens. Acousti-Mat LPR Keeps It From Spreading.

TECHNICAL DATA

Material ... Entangled mesh reinforcement on blend of polymeric fibers, Contains 40% pre-consumer recycled content

Color: Dark gray with black mesh

Thickness: 0.292 kg/m² (60 lbs/ft²)

Basis Weight: 0.17

Underlayment Depth: 3/4" (19 mm) over wood frame

SOUND TESTS

<table>
<thead>
<tr>
<th>Floor System</th>
<th>Topping</th>
<th>Insulation</th>
<th>Resistant Channel</th>
<th>Ceiling Drywall</th>
<th>Floor Covering</th>
<th>Rating</th>
<th>Test Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>PARALLEL CHORD TRUS</td>
<td>3/4&quot; (19 mm) Maxxon</td>
<td>Yes</td>
<td>No</td>
<td>5/8&quot; (16 mm)</td>
<td>None</td>
<td>56 FSTC</td>
<td>301609042649</td>
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<tr>
<td>CHORD TRUS (2/3&quot; thick)</td>
<td>3/4&quot; (19 mm) Maxxon</td>
<td>Yes</td>
<td>No</td>
<td>5/8&quot; (16 mm)</td>
<td>T32 FIC</td>
<td>A1176.0201-10</td>
<td></td>
</tr>
<tr>
<td>3/4&quot; (19 mm) Maxxon</td>
<td>Yes</td>
<td>No</td>
<td>5/8&quot; (16 mm)</td>
<td>Vinyl</td>
<td>50 FIC</td>
<td>A1176.0201-10</td>
<td></td>
</tr>
<tr>
<td>8&quot; CONCRETE</td>
<td>None</td>
<td>No</td>
<td>No</td>
<td>None</td>
<td>55 FIC, 61 FSTC</td>
<td>F07-56F, F07-56L</td>
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<tr>
<td>Bare Concrete, 1/2&quot; to 1/4&quot; (13 to 6 mm)</td>
<td>None</td>
<td>No</td>
<td>No</td>
<td>None</td>
<td>34 FIC</td>
<td>F07-56F</td>
<td></td>
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<tr>
<td>12&quot; TIP JOIST w/ 3/4&quot; (19 mm) plywood subfloor</td>
<td>3/4&quot; (19 mm) Maxxon</td>
<td>Yes</td>
<td>No</td>
<td>2 layers, 5/8&quot; (16 mm)</td>
<td>None</td>
<td>A5STC, 57</td>
<td>3509-3</td>
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<tr>
<td>3/4&quot; (19 mm) Maxxon</td>
<td>Yes</td>
<td>No</td>
<td>2 layers, 5/8&quot; (16 mm)</td>
<td>Ceramic Tile</td>
<td>FIC 49</td>
<td>3509-1a</td>
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<tr>
<td>3/4&quot; (19 mm) Maxxon</td>
<td>Yes</td>
<td>No</td>
<td>2 layers, 5/8&quot; (16 mm)</td>
<td>Vinyl Plank</td>
<td>FIC 53</td>
<td>102113-14</td>
<td></td>
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</tbody>
</table>

SOUND TEST INFORMATION: All acoustical testing was done by Architectural Testing, Newmark Testing Laboratories, Intertek, Inc., Twin City Testing Corporation, Maxxon R&D Test Center, D.L. Adams Associates, LTD, Venekilex Associates, M/G Testing Services, Al Group or Al Associates. 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 of 50 STC/ ICC (45 STC/IC 50) provides only marginal sound control, the International Code Council (ICC), author of the IRC, now requires that an “acceptable” level of performance for both IRC and ICC is 55 STC/IC 50 field tested. The “preferred” level of performance for STC and IIC is 60 STC/IC 57 (3 field tested). All tested and measured sound control systems meet the requirements for residential applications. 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: Maxxon® Corporation warrants Acousti-Mat® LPR to be free from manufacturing defects as defined in the warranty. Manufacturing defects are considered to be those defects that occur due to the quality of the ingredients or from the manufacturing process itself. The warranty does not include labor costs or other costs or expenses associated with the removal or installation of Acousti-Mat LPR. Because Maxxon® Corporation does not perform the actual installation, it cannot be held responsible for the results of the application. Maxxon® Corporation specifically disclaims problems that occur due to weather conditions, structural movement, structural design flaws and application techniques. This warranty is in lieu of all other warranties, expressed or implied, including the warranty of merchantability and fitness for a particular purpose and of all other obligations or liabilities Maxxon® Corporation may assume in connection with the sale and installation of Acousti-Mat LPR.

Richard L. Rozell, September 2009

ACOUSTI-MAT LPR INSTALLATION

step 1

3" isolation strips are installed around and up all walls, columns, and floor penetrations to eliminate flanking paths. Approximately 1" of the isolation strip should go on the wall, column, etc., and the rest of the subfloor. Isolation strips can also be utilized to cover any exposed subfloor or underlayment between seams in the Acousti-Mat LPR.

step 2

Acousti-Mat LPR is loose laid over wood subfloor; seams between sections of sound mat are adhered with zip-strips or taped.

step 3

Acousti-Mat LPR is topped with an approved Maxxon Underlayment. For uniform depth and a smooth surface, installers use a screed to finish the underlayment surface. In as little as two hours after the underlayment has been poured, the floor is hard enough to accommodate foot traffic.

ACOUSTI-MAT® LPR
Low Profile with Reinforcement

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