Represented by:
Acoustical® SOLUTIONS
2420 Grenoble Road
Richmond, VA 23294
Toll Free: 800.782.5742
https://acousticalsolutions.com/

ACOUSTI-MAT® INSTALLATION

SUBFLOOR AND SITE PREPARATION

1. The subfloor must be structurally sound and able to withstand live and dead loads with a deflection limitation of L/360.
2. Subfloor must be clean and free of residue that could interfere with the Acousti-Mat installation. Fill cracks and voids with caulking material to eliminate sound leaks.
3. Expansion joints should be allowed to carry through the sound rated floor and at the same width.
4. In applications for double layer plywood topped Acousti-Mat, mechanically attach 15 or 30 lb felt paper over the entire wood subfloor. Over concrete subfloors, the felt paper can be loose laid or spot glued.

ACOUSTI-MAT® INSTALLATION

1. Sound mat is loose laid over the entire subfloor, mesh side down and fabric side up. Using scissors or box knife, cut and trim mat to fit snug around perimeter, and around any penetrations through the floor. *Tip: Save all trimmings—they may be used in tighter fitting areas.*
2. Adhere seams with zip strips or Acousti-Mat Tape.
3. Isolation strips are installed around the perimeter of the entire room, including the base of door frames, to eliminate flanking paths. Isolation strips are also installed, then taped around any vertical penetration through the floor such as floor drains, tubs, showers, electrical conduits, etc. Tape the seam/joint that is created when the Acousti-Mat butts the perimeter isolation barrier strips.
4. The Acousti-Mat is now ready for approved floor underlayment (see back page for floor underlayment instructions).

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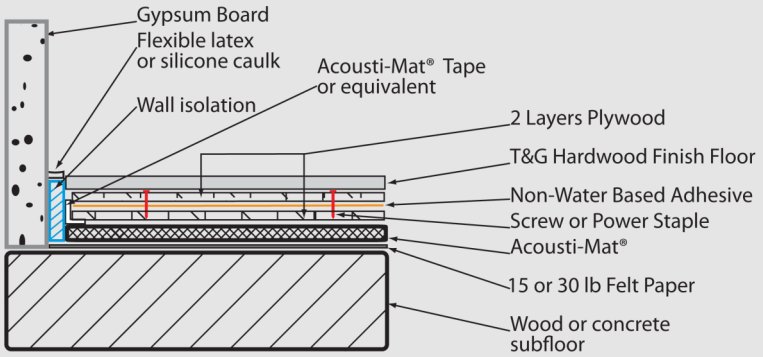
ACOUSTI MAT®

Installation of floor underlayment over Acousti-Mat®

Plywood Installation

1. After the Acousti-Mat is installed, place one layer of plywood (see chart below) on top of the matting. Offset the joints and leave a small gap between sheets of 1/16" or 3/32" in order to prevent any expansion of the plywood from buckling the layer.

2. Tape the joints with duct tape in order to keep the construction traffic from moving the panels and to prevent any adhesive which will be used in the following step, from infiltrating into the Acousti-Mat. Expansion gaps between adjacent panels are still necessary.



Note: If the subfloor has an unusual amount of surface distortion, cut the plywood sheets into smaller units such as 4' x 4' or 2' x2' panels. Then lay the smaller panels in an offset joint pattern so that the grain of each panel is perpendicular to the grain of the adjacent panel.

3. Apply a non-water based adhesive to the top of the first plywood layer and then place a second layer of plywood 90° to the first layer, offset so that the seams do not line up. Then screw the center and corners of this top layer of plywood to the bottom layer of plywood. The top plywood layer should be constructed with full sheets. In lieu of using wood screws, the two layers could also be fastened together by power stapling in a 6 inch pattern using staples with minimum 1" wide crown. Do not penetrate into the Acousti-Mat with either wood screws or staples.

4. Install finished floor goods per manufacturer's instructions. After the finished flooring is installed, trim the isolation strips to approximately 1/4" below the finished flooring. Fill the groove with a bead of acoustical or elastomeric caulk.

Minimum Thickness of APA Rated Sheathing	Acousti-Mat 3/8	Acousti-Mat 3/8 Premium	Acousti-Mat 3/4	Acousti-Mat 3/4 Premium
Plywood Thickness	3/8"	3/8"	3/4"	3/4"

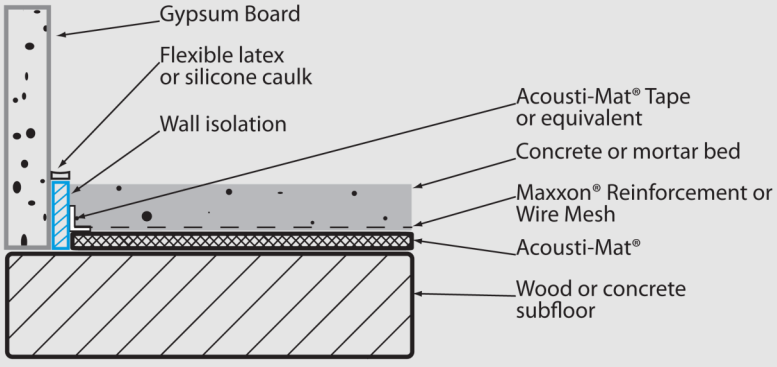
Concrete or Mortar-Bed Installation

1. After the Acousti-Mat is installed, loose lay Maxxon® Reinforcement or welded wire mesh (6"x6" or equal) and overlap by 2" on each side on top of Acousti-Mat.

Do not mechanically attach the reinforcement.

2. Install concrete or mortar-bed to recommended thickness (concrete shall be a minimum of 2½"—3" over the reinforcement; mortar-bed shall be a minimum of 1¼" thick over the reinforcement).

3. Spread and screed the concrete or mortar-bed to a smooth surface.



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