Mortar Bed Installation Over Enkasonic

Read First
These suggestions represent generally accepted procedures for successful installation of Maxxon Products. These instructions may be followed, modified or rejected by the owner, engineer, contractor or their representative since they, not Maxxon Corporation, are responsible for planning and executing procedures appropriate to a specific application.

Installation Bulletin

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 Enkasonic 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 at the same width.

Enkasonic Installation

Lay the Enkasonic directly over the subfloor with the black mesh down, white fabric side up. Enkasonic is laid over the entire subfloor. Care should be taken when cutting corners or floor penetrations. Tape (duct or 2” (51mm) wide cellophane tape) the 3” (76mm) longitudinal fabric overlapping snug to the fabric on the adjoining Enkasonic strip. There must be no gap between adjacent Enkasonic strips and the Enkasonic must fit snugly against the wall or perimeter isolation strip. All seams must be taped in order to prevent any foreign material from filling or flowing into the nylon mesh and creating hard points that could compromise the acoustical isolation.

Note: Tape the seam/joint that is created when the Enkasonic butts the perimeter isolation barrier strip.

Perimeter Isolation Barrier Installation

1. The perimeter isolation material shall be either the Maxxon Perimeter Isolation 2 1/2” (64mm) X 1/8 3mm) or 3” (76nm) X 1/4” (6mm).
2. Perimeter isolation barrier can be installed before or after the Enkasonic installation. Perimeter isolation barrier shall exceed the planned height of the floor system.
3. Perimeter Isolation barrier can be installed by glue, tape or stapled above the top area which will be removed as excess upon completion of the floor.
4. Install the perimeter isolation barrier to the wall or vertical partition (including door frames) surrounding the perimeter of the subfloor receiving the Enkasonic system, and around the perimeter of any protrusion through the floor systems, such as floor drains, tubs, showers, columns, pipes, electrical conduits, etc.
5. Tape the seam/joint that is created when the Enkasonic butts the perimeter isolation barrier strips.
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Installation:

Follow Tile Council of America Handbook Method F111:Cement Mortar, Cleavage Membrane, over a Concrete Floor

1. Use a 1 ¼” – 2” (32mm – 50mm) mortar bed supported by wire mesh.

2. After the mortar bed has been leveled to the proper plane, it shall be moist cover cured for 24 hours before the finished floor installation. The maximum variation in the slab shall not exceed ¼” (32mm) in 10’ (3m.)

3. All traffic shall be kept off of the fresh mortar bed for at least 72 hours unless the “wet set” method (ANSI A108.1) is used.

Finishing:

1. After the finished flooring is installed, trim the perimeter isolation barrier to ¼” (6.5mm) below the finished flooring. Fill the groove with a bead of acoustical or elastomeric sealant. Do not allow hard grout to come in contact with the wall. If the floor is carpet or vinyl, trim the perimeter isolation barrier flush with the surface before the finished flooring is installed. Shim the molding to 1/16” to 1/32” (1.6 to 0.8mm) above the finished floor preventing a transmission path for sound between the finished floor and wall.

2. If a flat base is adhered to the wall, space it 1/8” (3mm) up from the finished flooring, and run a bead of acoustical sealant into the void. If a cove base is used, fill the joint between the last course of finished flooring and the base with acoustical sealant.

3. Damp cover cure the finished installation for at least 72 hours and keep all traffic off the floor for at least 72 hours.

Warranty:

In no event shall Maxxon Corporation be liable for consequential damages or damages of any kind exceeding the sale price of the Enkasonic® found to have been defective. Maxxon makes no warranties, expressed or implied by operation of law or otherwise including but not limited to warranties of merchantability or fitness for any particular purposes or end use. Information contained herein regarding applications of Enkasonic® is of a general nature, and since conditions vary with each site, Maxxon makes no guarantee of results or the sufficiency of the information contained herein for the use contemplated.