KINETICS Noise Control

Address: 6300 Irelan Place, Dublin, Ohio 43017
Phone: 800.959.1229
Fax: 614.889.0540
Web: www.KineticsNoise.com
Email: ArchSales@KineticsNoise.com

NOISE CONTROL UNDERLAYMENT

MODEL SOUNDMATT

INSTALLATION GUIDELINES

Preparation

- Subfloor shall be clean, flat, and level.
- Ensure a strong, rigid subfloor with deflection not exceeding 1/360 of the span, including live and dead loads.
- Max. Variation in the slab shall be ¼-inch in 10-feet and 1/8-inch in 4 feet from the required plane.
- Slope of subfloor shall not exceed ¼-inch per foot.
- Fill cracks and remove residue.
- DO NOT use Soundmatt to bridge spans or low areas in the subfloor.
- If a waterproof membrane is used, it shall be load bearing.
- Concrete subfloor shall be troweled smooth, free from spills/voids, and be clean and dry.
- Wood subfloors shall be free of weak spots, squeaks, protruding nails, screws, staples, and be clean and dry.

Kinetics Noise Control Model SRP Perimeter Isolation

1. Cut Kinetics Model SRP isolation material to a width equal to ¼-inch less than planned floor system height.
2. Apply spray adhesive (such as Camie 363 High Strength Fast Tack Spray Adhesive), following manufactures directions, to one side of Kinetics Model SRP perimeter isolation material (alternatively double sided tape may be used).
3. Firmly adhere it to any wall or vertical position (including door frames) surrounding the perimeter of the Soundmatt installation area.
4. Adhere Kinetics Model SRP to any protrusions through the floor system including floor drains, columns, pipes, conduit, etc following steps 1-3.

Note: Never attach the perimeter isolation board with nails, screws, or staples.

Model Soundmatt

5. Lay Soundmatt over designated area, **do not use adhesive**, do not overlay or leave gaps between the sheets or at perimeter.
6. Do not tape the seams or joints.
7. Keep traffic on Soundmatt to an absolute minimum.

Note: Never attach the Model Soundmatt with nails, screws, or staples.

Option A) Wire-reinforced mortar bed, lightweight concrete

8a. Place a single layer of 6-mil poly sheeting with 6 to 8-inch overlap on top of Soundmatt and Kinetics SRP perimeter isolation board.

9a. Install mortar bed or lightweight concrete as directed by manufacturer.

a. Suggested thickness for mortar bed is between 1-1/4 and 2-inches, inclusive (TCA #F111-96).

b. Suggested reinforcing is 2-inch x 2-inch x 16/16 gauge welded wire mesh (TCA #RF900-96).

10a. Proceed to step 21.

Option B) Gypsum concrete

8b. Place a single layer of moisture barrier such as Maxxon Moistop (or approved equal) with taped seams on top of Soundmatt and Kinetics SRP perimeter isolation board.

9b. Pour 1 ½-inch thick layer of Gypsum Concrete such as Maxxon Gyp-Crete 2000, DuraCap, ThermaFloor, or Level-Right (or approved equal).

10b. Proceed to step 21.

Option C) Plywood and OSB (Oriented Strand Board)

8c. Optionally, lay builders felt or 6-mil poly sheeting with 6 to 8-inch overlap on top of the Soundmatt. Do not adhere felt or sheeting to the Kinetics Soundmatt.

Note: Do not adhere or fasten the plywood to the Soundmatt.

9c. Lay down first layer of ½-inch thick plywood or OSB with joints staggered in relationship to Soundmatt joints.

10c. Trowel glue across the top of first layer of plywood or OSB.

11c. Lay down second layer of ½-inch thick plywood or OSB layer oriented 90 degrees and with joints staggered at least 12-inches in relationship to first plywood layer.

Note: Finished flooring manufacturers often require 1/8-inch gap between top layer of plywood or OSB sheets to allow for expansion

12c. Secure plywood or OSB layers together with 7/8-inch long screws or staples spaced within 3-inches of the edges and spaced no greater than 8-inches in the field.

Note: Do not nail, screw, and/or staple into the Soundmatt with fasteners.

13c. Proceed to step 21.

Option D) Reinforced cement backer board

Environmental Requirements: Install only when the ambient temperature is above 55 degrees F. Provide adequate ventilation to carry off excess moisture during installation.

8d. Roll out a layer of builders felt or 6-mil poly sheeting with 6 to 8-inch overlap over the Model Soundmatt.

9d. Lay down minimum ½-inch thick reinforced cement backer board sheets with a ¼-inch gap between the units, offsetting the joints 8 to10-inches from the Soundmatt below.

10d. Snap chalk lines on the Kinetics Soundmatt marking the joint placement of the reinforced cement backer board sheets.

11d. Prepare a slurry of Thin-Set mixed with Acrylic Mortar Admix to proper consistency.

12d. Dip 2.5-inch or wider high strength polymer coated fiberglass tape into the slurry and center it on chalk lines.

13d. Apply more slurry on top of the tape.

14d. Trowel a light skim coat of the slurry approximately 1 ½-inch wide around the perimeter of the bottom side of the reinforced cement backer.

15d. Position the reinforced cement backer board sheets over the slurried tape leaving a ¼-inch gap between boards.

16d. Bond the reinforced cement backer board sheets to the tape by walking on the edges of the sheets to force slurry into the joint gap. Fill the remainder of the 1/4" gap with slurry from the top of the joint.

Note: Do not apply excessive pressure when filling the joint from the top. Otherwise a ridge will develop on the underside of the sheets, creating an uneven surface .

17d. Lay another strip of fiberglass tape directly over the joint.

18d. Trowel a very thin skim coat of Thin-Set mixed with Acrylic Mortar over the tape creating a smooth surface for bonding the tile. If the reinforced cement backer board sheets are uneven prior to the joint bond taking set, place light loads (box of tile, etc.) at different locations to level the panels.

19d. Do not allow traffic on the reinforced cement backer board surface for at least 24 hours; 48-72 hours may be required depending on ambient temperature and humidity.

Note: The proper taping of the underneath side, edge bonding, and taping is essential to the structural strength of the reinforced cement backer boards within the sound-rated floor system.

20d. Proceed to step 21.

Finished Flooring, Sealing and Molding

21. Install finish flooring according to manufacturer’s directions.
    a. **DO NOT** install finish flooring over Kinetics SRP perimeter isolation material.
    b. **DO NOT** allow hard grout to come in contact with the wall.
22. Trim Kinetics SRP perimeter isolation material to top of floor system.
23. Seal the perimeter with a permanently resilient acoustical or elastomeric sealant.
24. Install molding around perimeter of floor while maintaining an 1/8 inch gap between the molding and the finished floor.

Disclaimer

These application notes represent generally accepted procedures for successful installation of Kinetics Noise Control Model Soundmatt noise control underlayment. These suggestions may be followed, modified, or rejected by the owner, engineer, contractor, and/or their respective representative(s) since they, not Kinetics Noise Control, are responsible for planning and executing procedures appropriate to a specific application. Kinetics Noise Control reserves the right to alter these suggestions and encourages contact with the factory or its representatives to review any possible modification to these application notes prior to commencing installation.