

NOISE CONTROL UNDERLAYMENT **MODEL ULTRA QUIET SR FLOORBOARD** 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 Ultra Quiet SR Floorboard 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 Ultra Quiet SR Floorboard 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 Ultra Quiet SR Floorboard

5. Lay Ultra Quiet SR Floorboard 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 Ultra Quiet SR Floorboard to an absolute minimum.

Note: Never attach the Model Ultra Quiet SR Floorboard 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 Ultra Quiet SR Floorboard 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 14.

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 Ultra Quiet SR Floorboard and Kinetics SRP perimeter isolation board.
- 9b. Lay galvanized diamond mesh metal lath weighing 3.4 lbs/sq. yd. with 1 to 2-inch overlapping seams loosely over the moisture barrier.
- 10b. Pour 1 1/2-inch thick layer of Gypsum Concrete such as Maxxon Gyp-Crete 2000, DuraCap, ThermaFloor, or Level-Right (or approved equal).
- 11b. Proceed to step 14.

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 Ultra Quiet SR Floorboard. Do not adhere felt or sheeting to the Kinetics Ultra Quiet SR Floorboard.

Note: Do not adhere or fasten the plywood to the Ultra Quiet SR Floorboard.

- 9c. Lay down first layer of 1/2-inch thick plywood or OSB with joints staggered in relationship to Ultra Quiet SR Floorboard joints.
- 10c. Trowel glue across the top of first layer of plywood or OSB.
- 11c. Lay down second layer of 1/2-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 Ultra Quiet SR Floorboard with fasteners.

- 13c. Proceed to step 14.

Finished Flooring, Sealing and Molding

- 14. 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.
- 15. Trim Kinetics SRP perimeter isolation material to top of floor system.
- 16. Seal the perimeter with a permanently resilient acoustical or elastomeric sealant.
- 17. 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 Ultra Quiet SR Floorboard 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.