Installation Instructions for Isolated Slab

1. Storage and Handling

Regupol SoundPanel and accompanying material to be kept dry and protected from direct contact with liquids, oils, chemicals, and UV-light during transport and storage. Deliver product in original packaging, unopened, intact, with original labels of the manufacturer. Inspect quality of supplied material before beginning installation and report any discrepancies immediately.

2. Job Site Conditions

All rooms and areas to receive SoundPanel shall be weather tight and kept at constant room temperature between 59°F−97°F (15°C−36°C) for 48 hours before and after installation.

3. Clean and Even Subfloor

Ensure that the subfloor is clean, dry, and even (3/16" in 10' as per ACI 117R). Protruding pieces, stones, debris, and chunks of concrete must be removed before installation.

4. Install Regupol Perimeter Isolation Strip

Install Regupol Perimeter Isolation Strip continuously on all adjoining structural elements, such as walls, columns, and protrusions. Perimeter Isolation Strip must be at least 1" higher than the total assembly thickness, from subfloor to the top of the finished floor. Tape or glue the isolation strip to the base of the perimeter walls and columns. Do not use nails, screws, or other mechanical fasteners to attach the strips to the walls, as these will create sound bridges (flanking paths).

5. Install Regupol SoundPad around Perimeter

Regupol SoundPad shall be installed along the perimeter of the room, around structural elements such as walls, columns, and protrusions. Individual SoundPad should be spaced 16" or less. SoundPad can be placed loosely or glued to the subfloor with an adhesive. SoundPanel to be cut shall have no more than 4" between the perimeter and first row of pads.

6. Install Regupol SoundPanel

Begin installation of SoundPanel by placing a full panel in one corner of the room. Slide SoundPanel on top of the perimeter pads so that the fiberglass backing is pushed away. After the first row is completed, start the next row of SoundPanel offset by 16". Cut the first SoundPanel of every other row, then continue with full panels.

Note: Use plywood clips to space and secure the SoundPanel together. Alternatively, leave an 1/8" gap between SoundPanel to allow for expansion and contraction.

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Installation Instructions for Isolated Slab (continued)

7. Second Layer of OSB or Plywood

Install a second layer of 1/2" OSB or plywood over the SoundPanel. Prior to installing the second layer, use a trowel to apply liquid wood glue to the entire face of the SoundPanel. Lay the OSB or plywood on top of the SoundPanel staggered, so the seams do not line up. Fasten the OSB or plywood with 1" screws, 6" on center along the perimeter as well as any columns or penetrations, and 8" on center throughout.

8. Install Vapor Barrier

Cover the floor and Perimeter Isolation Strip completely with 10-mil polyethylene sheeting. Overlap and tape the seams. Pull the sheeting up against the walls or columns and hold in place temporarily by adhering with tape. Avoid any gaps and tape all seams to prevent the concrete from leaking through.

9. Install Concrete Slab

Place reinforcement and pour floating slab in place as per project design and specifications. After the concrete has cured, remove excess polyethylene sheeting at slab perimeter.

10. Install Finish Flooring

Install the finish flooring as recommended by the flooring manufacturer. Excess Perimeter Isolation Strip should be cut at or below the level of the finish floor. Caulk the perimeter above the Perimeter Isolation Strip using an acoustical sealant. Leave a slight gap between the baseboard and the finished floor. At all times, avoid rigid connections from the isolated floating floor to adjacent structural elements. Rigid connections may result in sound bridges (flanking paths).