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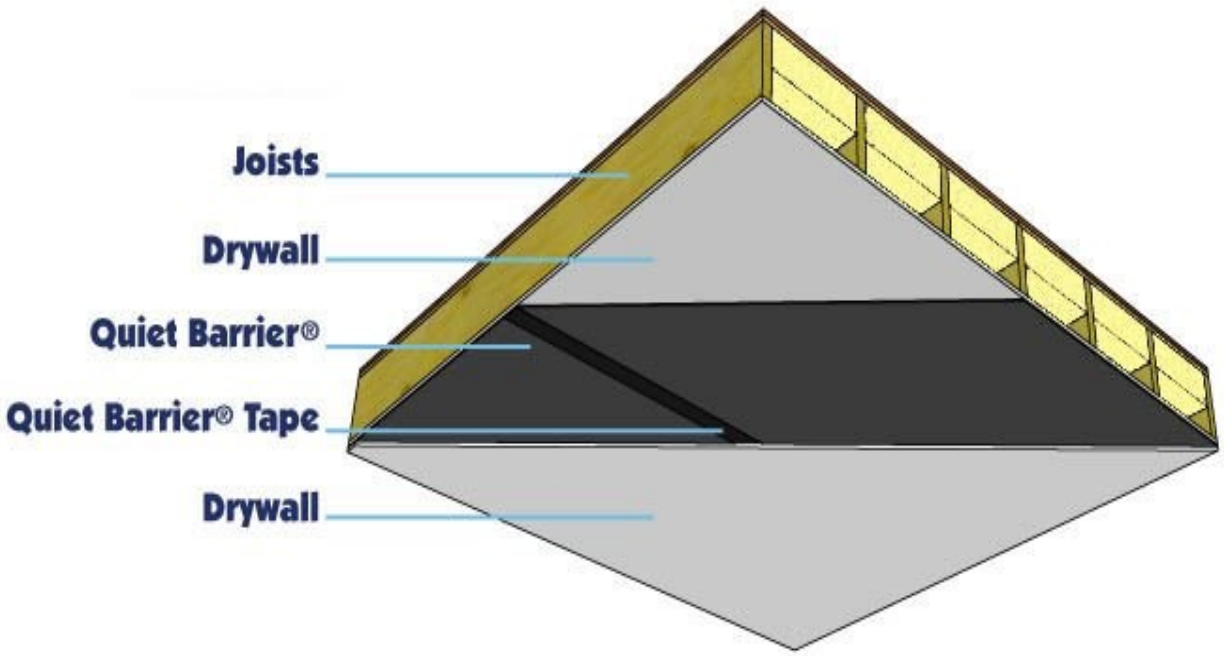
GOOD Existing Ceiling Soundproofing Assembly



This assembly will improve the noise blocking performance of ceilings that already exists. Use this assembly to reduce minimal amounts of airborne noise transfer between two rooms separated by a ceiling/floor assembly. This type of construction will reduce sounds like people talking and TV/Stereo at low volumes.

ADDRESS
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440 Ramsey Avenue
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Products used in this assembly:

Quiet Barrier® Soundproofing Material

Quiet Barrier® Tape

OSI® Pro-Series® SC-175™ Acoustical Sound Sealant

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Instructions / Details

1. Use a stud finder to locate the joists within the ceiling. Mark the joists with a chalk line.

2. Lay the ½ inch drywall face down on to a clean dry surface. Apply a ¼ inch bead PL Construction Adhesive around the perimeter of the backside of the drywall. Apply the adhesive approximately 2 inches from the edge of the drywall. Create an X pattern corner to corner and place a few 1 inch "globs" of glue with the field.

3. Place the Quiet Barrier® material onto the back side of the drywall. To ensure good contact with the adhesive, use a hand roller to apply pressure. Let the adhesive cure for 24 hours before installation.

4. Attach the drywall / Quiet Barrier® composite with 2 inch coarse thread drywall screws. Be sure the screws penetrate the joists within the wall assembly. Screws should be placed 8 to 12 inches apart.

5. Leave a ¼ inch gap between the new layer of gypsum board and all adjoining wall, ceiling and floor surfaces.

6. Fill the ¼ inch gap with OSI® Pro-Series® SC-175™ Acoustical Sound Sealant.

7. Finish the gypsum board using common industry standards.

Note: For increased performance add another layer of 5/8 inch Type X Gypsum board.

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