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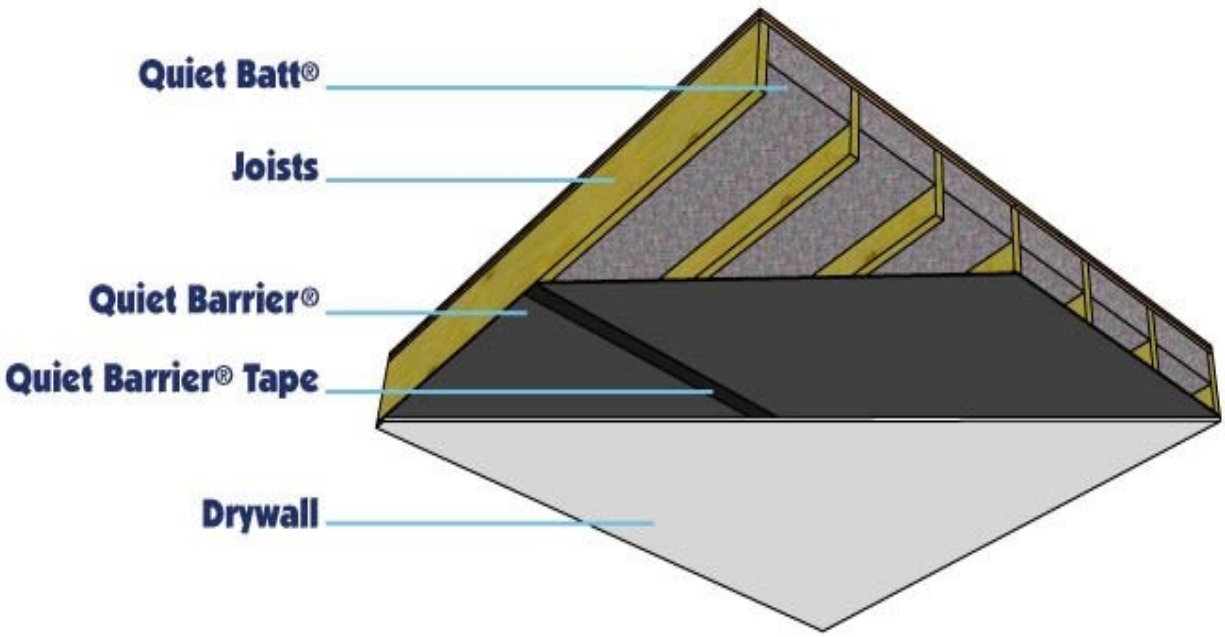
GOOD New Ceiling Soundproofing Assembly



This assembly will improve the noise blocking performance of a newly constructed ceiling. 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
Soundproofcow
440 Ramsey Avenue
Chambersburg, PA 17201

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Products used in this assembly:

Quiet Batt® Soundproofing Insulation

Quiet Barrier® Soundproofing Material

Quiet Barrier® Tape

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

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Instructions / Details

1. Install the Quiet Batt® between the joists.

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 1 5/8 inch coarse thread drywall screws. Be sure the screws penetrate the joists within the ceiling 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 walls.

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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