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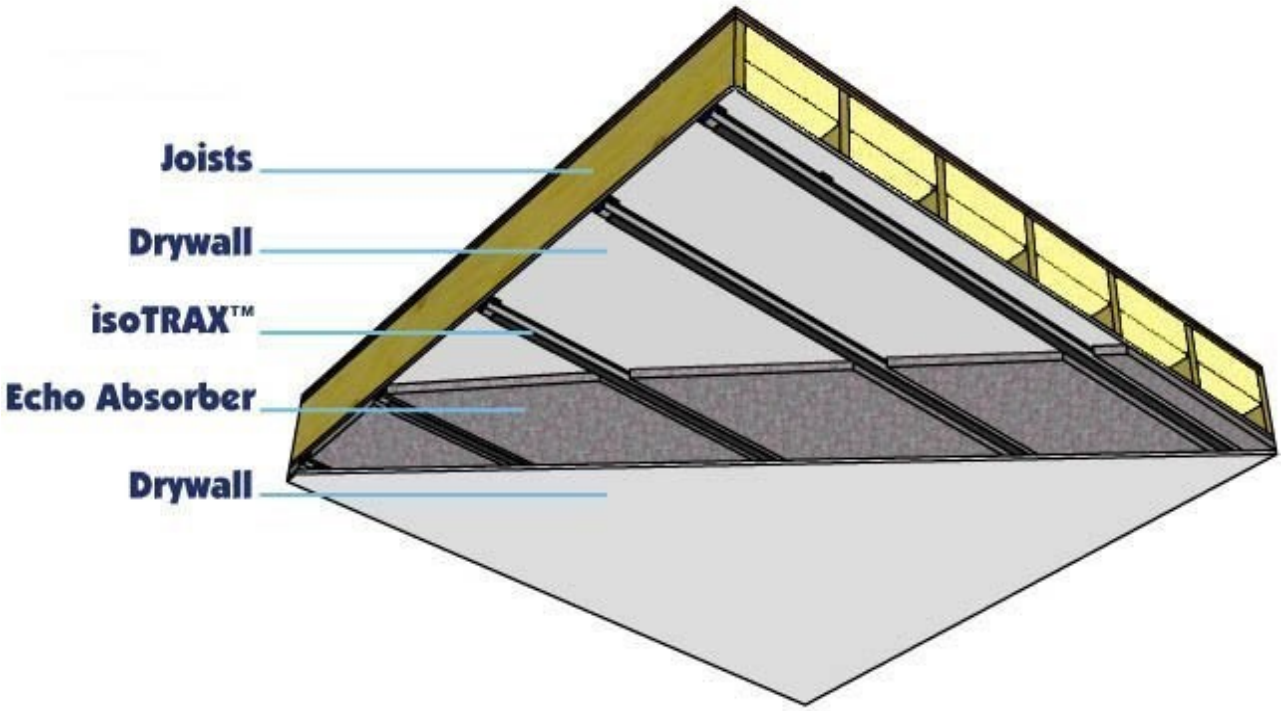
BEST Existing Ceiling Soundproofing Assembly



This assembly is perfect ceilings in condominiums and apartments. Use this assembly to reduce airborne and structural borne noise transfer between two rooms separated by a ceiling/floor assembly. This type of construction is a good retro fit solution for a variety of spaces from bedrooms to mechanical/machinery rooms.

ADDRESS
Soundproofcow
440 Ramsey Avenue
Chambersburg, PA 17201

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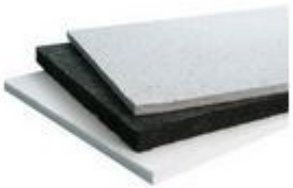
Products used in this assembly:

isoTRAX™ Soundproofing System

Echo Absorber™ Acoustic Panel



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. Using the chalk lines as a guide, install the isoTRAX™ Soundproofing System onto the existing ceiling surface.

3. Install the Echo Absorber™ Acoustic Panels between the isoTRAX™ rails.

4. Install ½ inch Type X gypsum board on to the isoTRAX™ system with 1 ¼ inch fine thread drywall screws. Screws should be placed 8 inches apart. Leave a ¼ inch gap between the new layer of gypsum board and all adjoining wall, ceiling and floor surfaces.

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

6. 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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