

Acoustic Barrier Ceiling Tiles

Technical Specification

1ST FLOOR ISOLATED
FLOOR SLAB LOADING
DIAGRAM

Noise transmission between offices, conference spaces, examination rooms and other work or living areas is a common source of complaint. One of the most common reasons for noise complaints in such areas is noise that travels through suspended ceilings and over the top of partition walls. Suspended acoustic ceiling tiles do very little stop this flanking path, shown in figure 3.

Soundown's acoustic barrier ceiling tiles provide a cost effective solution to this problem. Consisting of a quilted fiberglass layer bonded to a mass loaded barrier layer with aluminized Mylar facing, Soundown's tiles are easily installed on top of the existing ceiling system. The combination of the quilted fiberglass and barrier layer work to create a decoupled mass to effectively treat the path through the ceiling, increasing acoustic privacy and reducing disturbances.

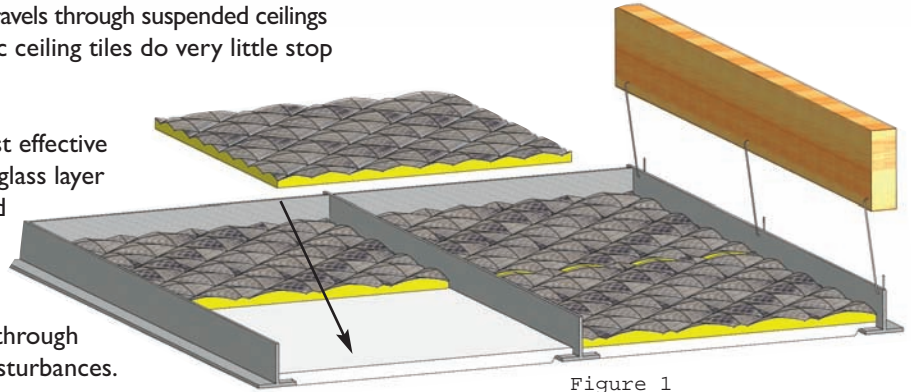


Figure 1

The installation of Soundown's acoustic barrier ceiling tiles over the existing ceiling quickly and easily improves the apparent STC rating while eliminating the need for costly replacement.

Applications

- Medical Facilities
- Manufacturing Facilities
- Offices
- Conference Rooms

Advantages

- Quick & easy to install
- Cost effective solution for room to room noise transmission problems
- Available with 1 or 2 lb/SQ FT mass layer
- Standard size tiles are made to match your existing ceiling grid system. (24" X 24" and 24" X 48")
- Eliminates the need for ceiling replacement.

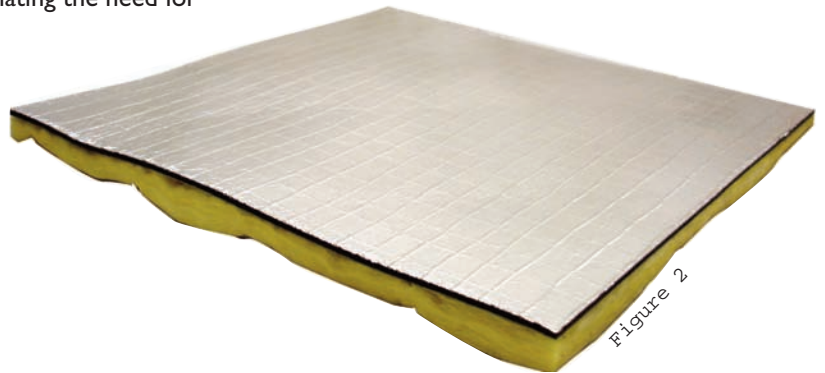


Figure 2

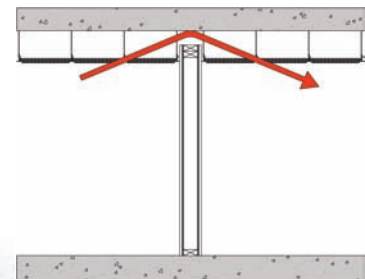


Figure 3

Solve your noise concerns. Call today to get it right the first time 800-359-1036



2010.1.A

		16 BBROADWAY SALEM, MA 01907 PHONE: (978)745-7000	
		Acoustic Insulation	
Drawn by: R. Hertz	Size: A	PSCM NO.:	DWG NO. XXXXXXXXXX
Scale None			REV -
			Sheet 1 of 1

DIAGRAM

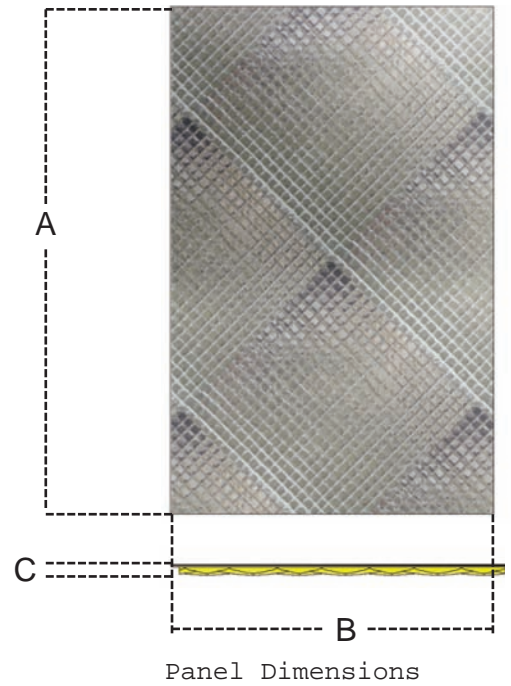
Material

option A	in (mm)	in (mm)	lb/sqft (kg/m2)
A	24" (610)	24" (610)	
B	24" (610)	24" (610)	
C *	1"	2"	
D			1 (5)
Option B			
A	24" (610)	48" (1220)	
B	24" (610)	48" (1220)	
C *	1"	2"	
D			1 (5)

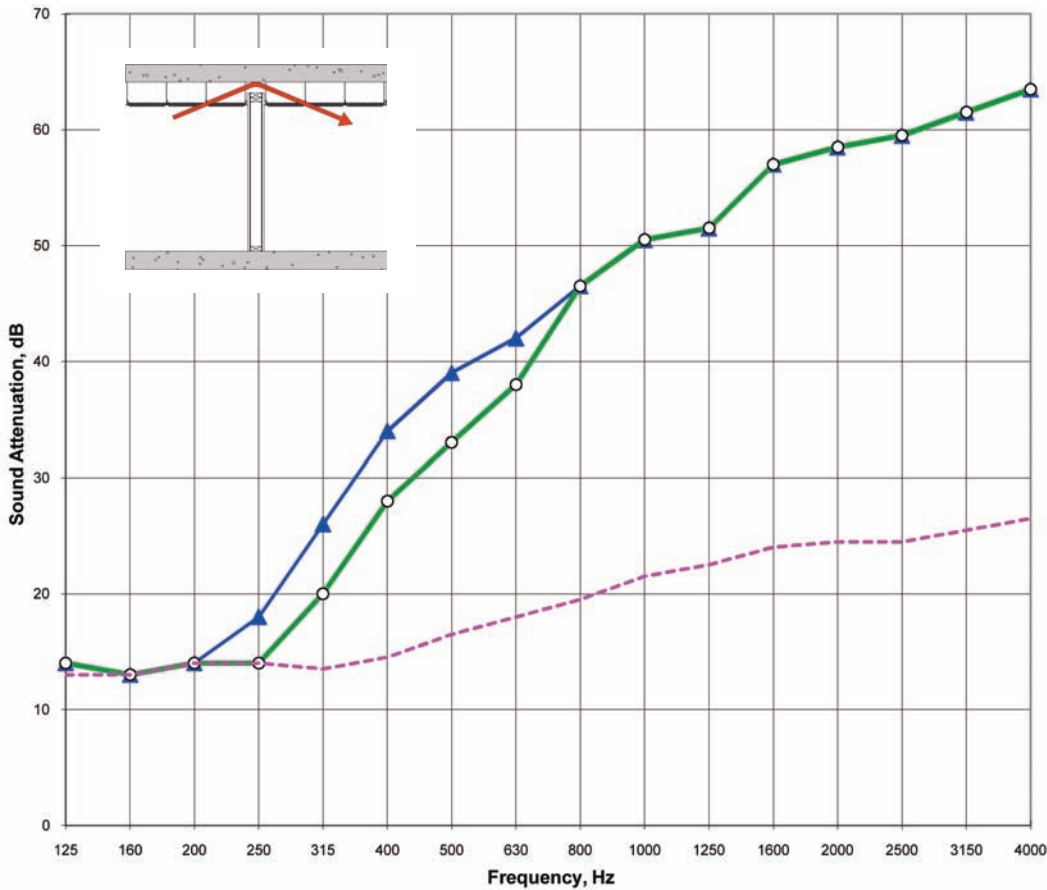
* Nominal thickness of glass before quilting. Actual thickness is ~75% of original thickness.

ASTM E 84 (Composite)

Flame Spread	10
Smoke Development	300
Classification	A



Typical Constructions



- Improved transmission loss with 2" 1lb panel STC 31
- Improved transmission loss with 1" 1lb panel STC 28
- Standard Acoustic Ceiling Tile, untreated STC 21, CAC 38

*Values calculated using Armstrong published data for Item 769BL Cortega and per ASTM E413

All statements herein are expression of opinion that we believe to be accurate and reliable, but are presented without guaranty or responsibility on our part.



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