

BENNER ACOUSTIC PANEL



BENNER
PRODUCTS

Benner Acoustic Panels

Acoustic panels - (also known as sound absorption panels, soundproof panels or sound panels) are sound-absorbing fabric-wrapped boards designed to control echo and reverberation in a room.

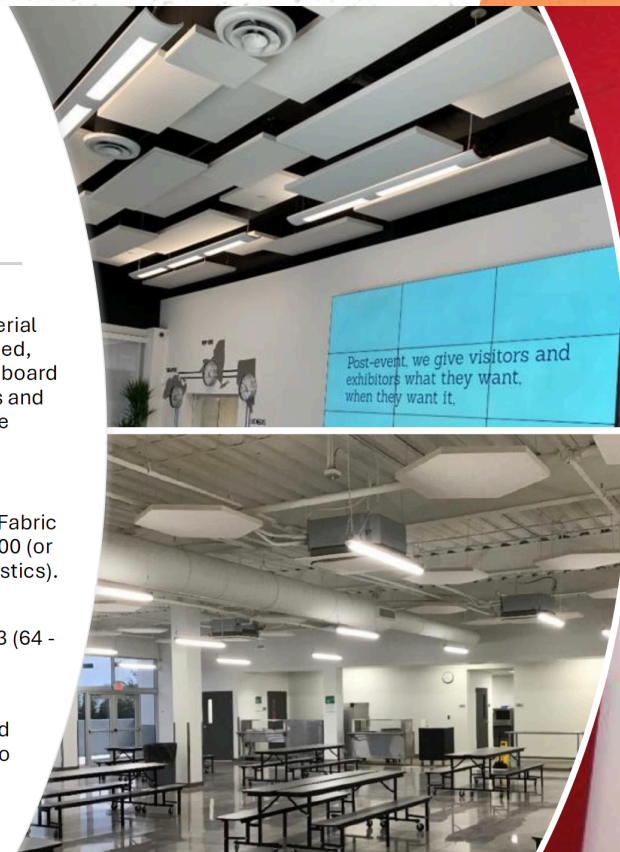
Benner Acoustic Panels are highly aesthetic and popularly customized. Our panels offer an elegant and economical sound absorption solution.

Benner Acoustic Panels offer a variety of sizes and shapes available in over 50 colors. Our panels provide ideal results for noise control and are impressively decorative which allows them to accommodate to any workable environment. Our Glass Fiber panels are covered with an acoustically transparent and very decorative fabric, the fabrics allow for the variety in colors as well as variety in the texture of the fabric. The fabrics that are used are offered in an assortment of different textures. **Benner Acoustic Panels** are ideal for spaces with high reverberation time. Our panels are designed to improve sound quality and to provide a decorative look within a room.



Manufacturing

- Manufactures Standard panel construction consisting of facing material stretched over front face of edge-framed, dimensionally stable, rigid glass-fiber board core and borders or attached to edges and back of frames and complying with the following requirements:
- Facing Material: Stretched Panel Fabric Guilford of Maine FR 701 Style 2100 (or other fabrics of similar characteristics).
- Nominal core Density: 4-7 lbs /Ft³ (64 - 112 Kg/m³).
- Framing: Manufacturer's standard metal or wood framing system. No plastic frame.



Acoustical Performance

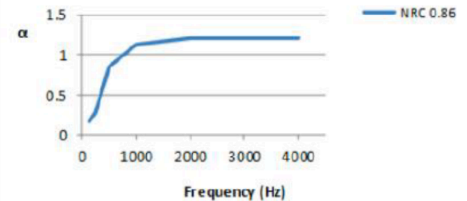
Acoustic Performance 1" Thick
Noise Reduction Coefficient 0.86

Absorption Coeff. (α)	Frequency (Hz)
0.16	125
0.27	250
0.85	500
1.13	1000
1.2	2000
1.21	4000
0.86	NRC

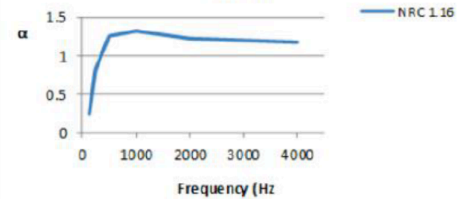
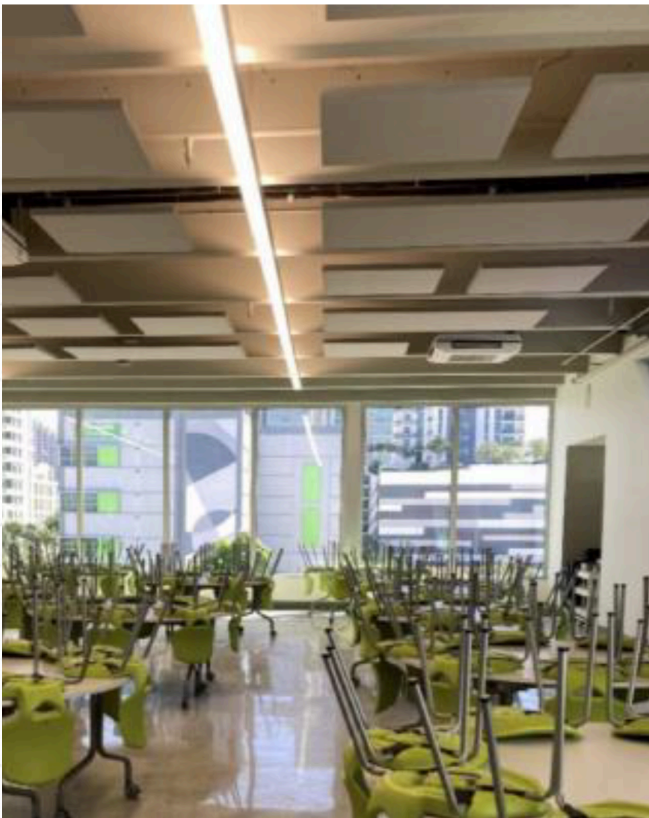
Acoustic Performance 2" Thick
Noise Reduction Coefficient 0.86

Absorption Coeff. (α)	Frequency (Hz)
0.24	125
0.82	250
1.26	500
1.32	1000
1.23	2000
1.17	4000
1.16	NRC

Acoustic Performance 1" Thick
Thick



Acoustic Performance 2" Thick
Thick



Cleaning and Maintenance

These panels are designed for long term use in building environments with minimal maintenance. These panels, however, can be vacuum cleaned as per customer desire; additionally, any marks may be cleaned with a damp cloth/wipe.

Fire Resistance

All our panels are classified as Class A or Class 1 laboratory tested as per ASTM- E84.). Smoke developed: 50.

Technical Properties

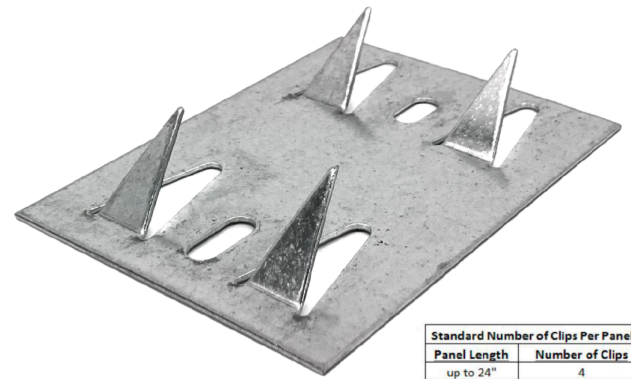
- Panel Thickness: Manufacturer's Standard
- 2" inches Rigid Fiber-Glass
- 1" inches Rigid Fiber-Glass Panel
- Widths: 24", 48", or custom
- Panel Height: 2', 4', 6', 8', 9', & 10'
- Edge detail: Square or custom

Impaling Clips Option

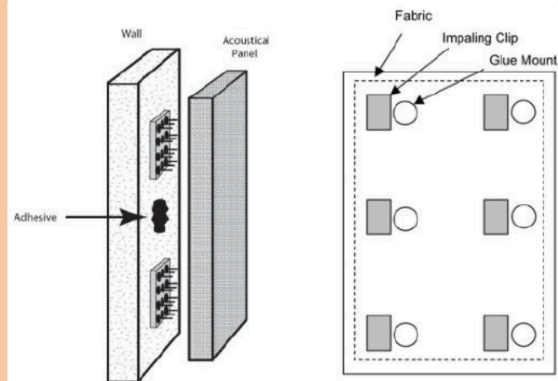
If the wall panels are not required to be removable, the easiest method of installation is impaling clips. Impaling clips are shipped from the factory with the panels.

1. Should be screwed into the wall where the panels are to be installed. Care should be taken to screw the impaling clips into a stud when possible and to space the clips so that they will be evenly spaced on the back of the panel.
2. The back of the wall panel should be covered with a construction adhesive (Liquid Nail PL 200, Chemrex 200, etc) and placed onto the wall in the desired location.

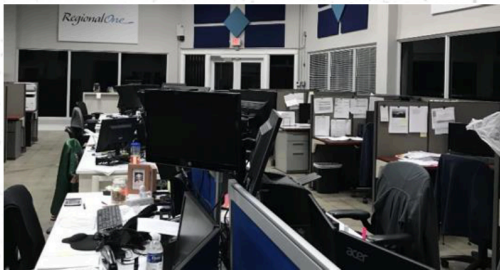
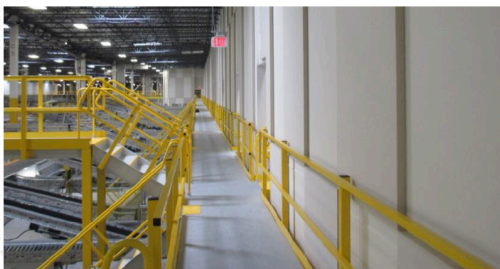
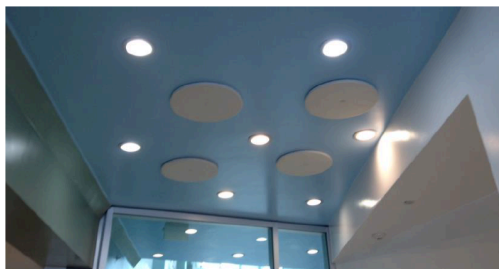
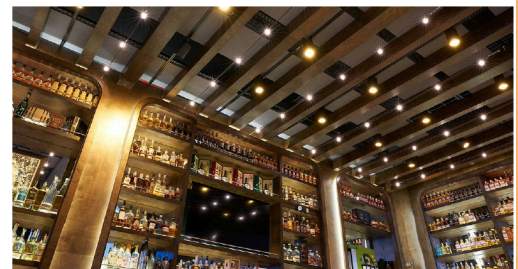
Caution: Adhesive skins over rather quickly, in perhaps two minutes or less and loses a great deal of its penetrating ability. Therefore, it is important that the adhesive be applied quickly to the panels and then quickly applied to the mounting surface, one panel at a time.



Standard Number of Clips Per Panel	
Panel Length	Number of Clips
up to 24"	4
24" x 48"	4
48" x 72"	6 - 8
48" x 96"	6 - 8
48" x 120"	8

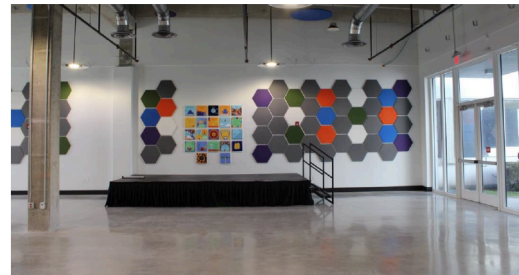
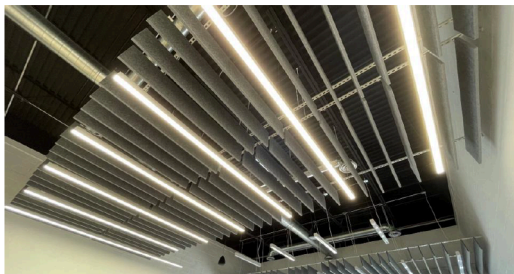
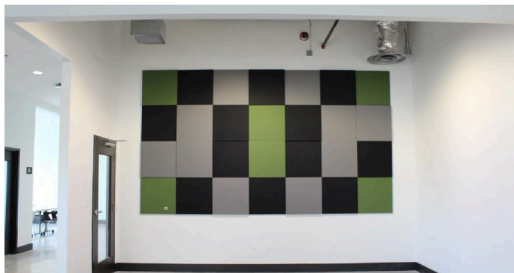
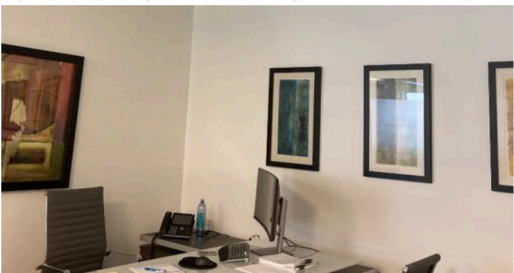
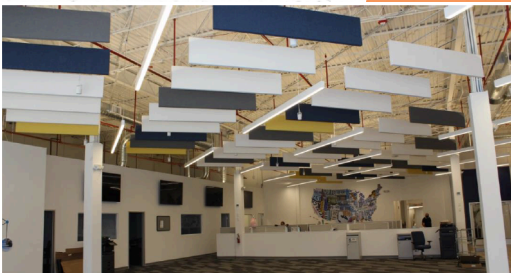
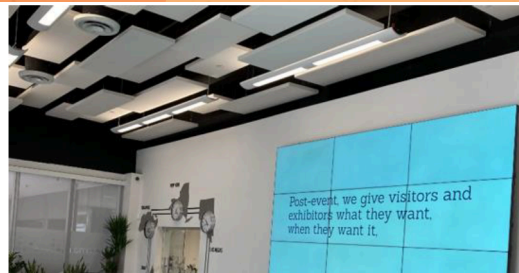
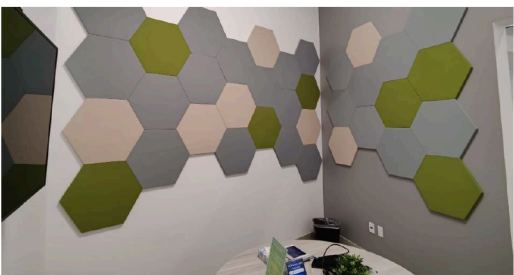
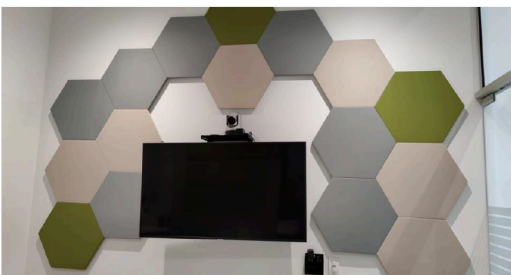
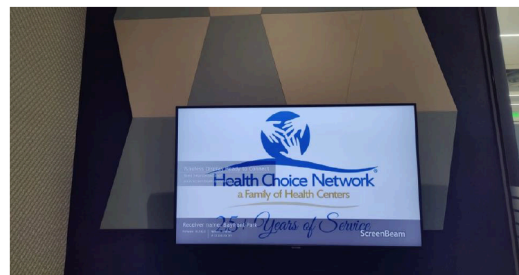


Impaling clips are not to be used on ceiling.

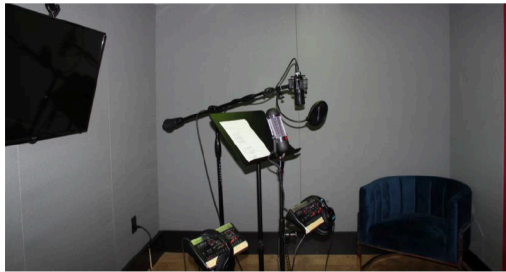
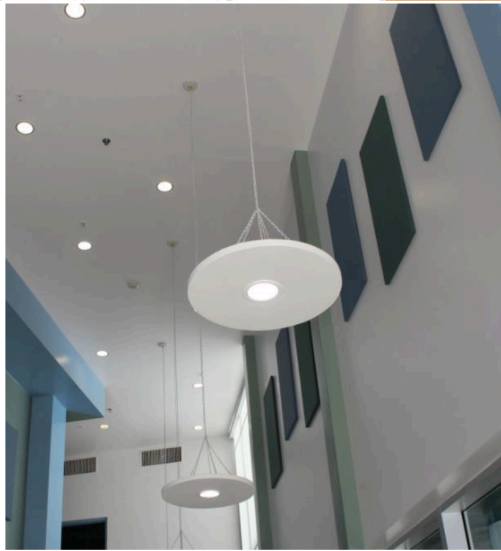
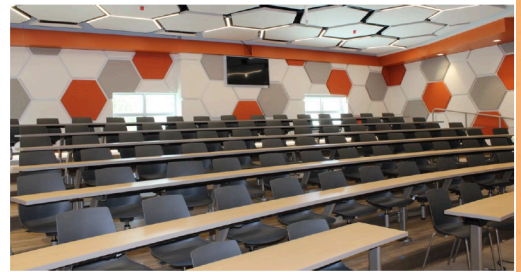


Gallery

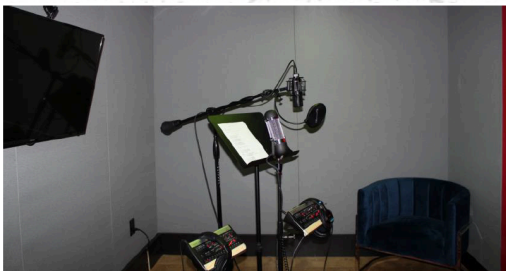
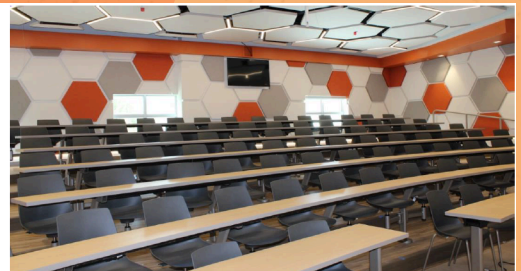
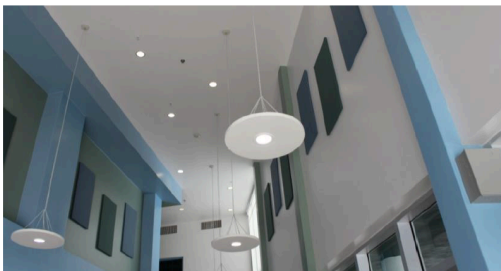
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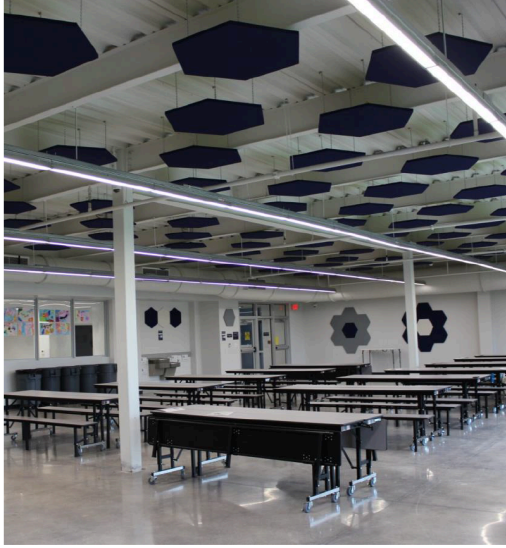
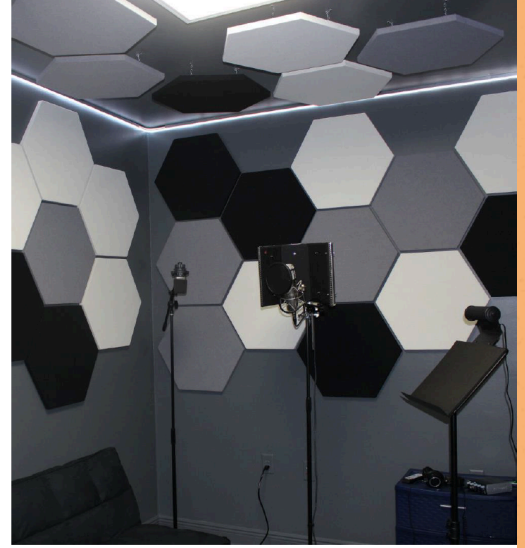
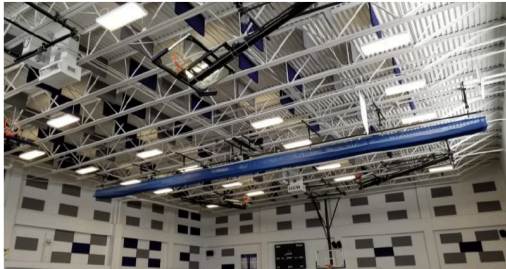


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