



www.acousticsonic.com

Product Description

Printed Sonic Panels:

Printed Sonic Panels are highly aesthetic and popularly customized. They offer the perfect solution wherever art and sound-absorption is needed. They look nice and we can incorporate your photos, logos and graphics. Our panels can create a continuous mural using an acoustic wall and ceiling printed panel.

They provide ideal results for noise control and are impressively decorative which allows them to accommodate to any workable environment.



Our Printed Sonic Panels are designed to improve sound quality and to provide a decorative look within a room.



Manufacturing:

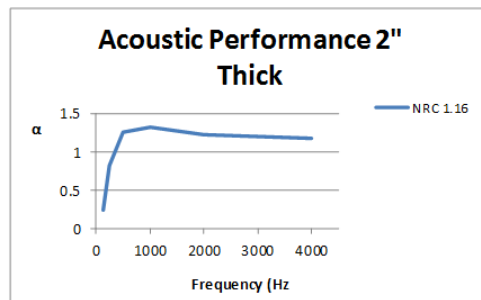
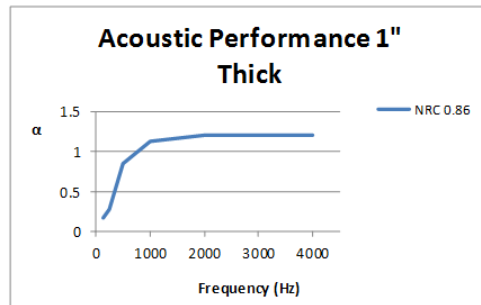
Manufactures Standard panel construction consisting of facing material stretched over front face of edge-framed, dimensionally stable, rigid glass-fiber board core and borders or attached to edges and back of frames and complying with the following requirements:

1. Facing Material: Stretched Panel Fabric Guilford of Maine FR 701 Style 2100 (or other fabrics of similar characteristics)
2. Nominal core Density: 4-7 lbs /Ft³ (64 - 112 Kg/m³)
3. 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



Technical Properties

Nominal Overall Dimensions

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

Weight

Nominal Core Density 4 – 7lbs/ ft³ (64 – 112 kg/ m³)

Fire Resistance

The fiber glass acoustic panels that we use provide very good fire resistant properties. It shows a flame spread of 25 or less as per ASTM E 84 by UL Flame Spread: 25 (class A). Smoke developed: 450 or less, smoke developed: 50.

Cleaning and Maintenance

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

Installation

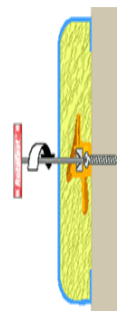
3 Mounting Options (Mounting per ASTM E 795)



CLIPS



Z-CLIPS



ROTOFAST

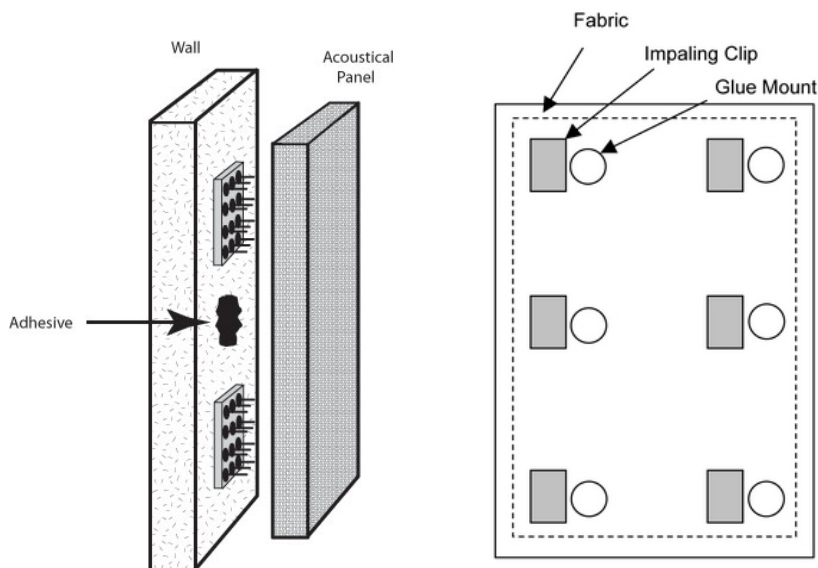
Impaling Clips Option:

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. Impaling Clips are not to be used on ceiling.



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



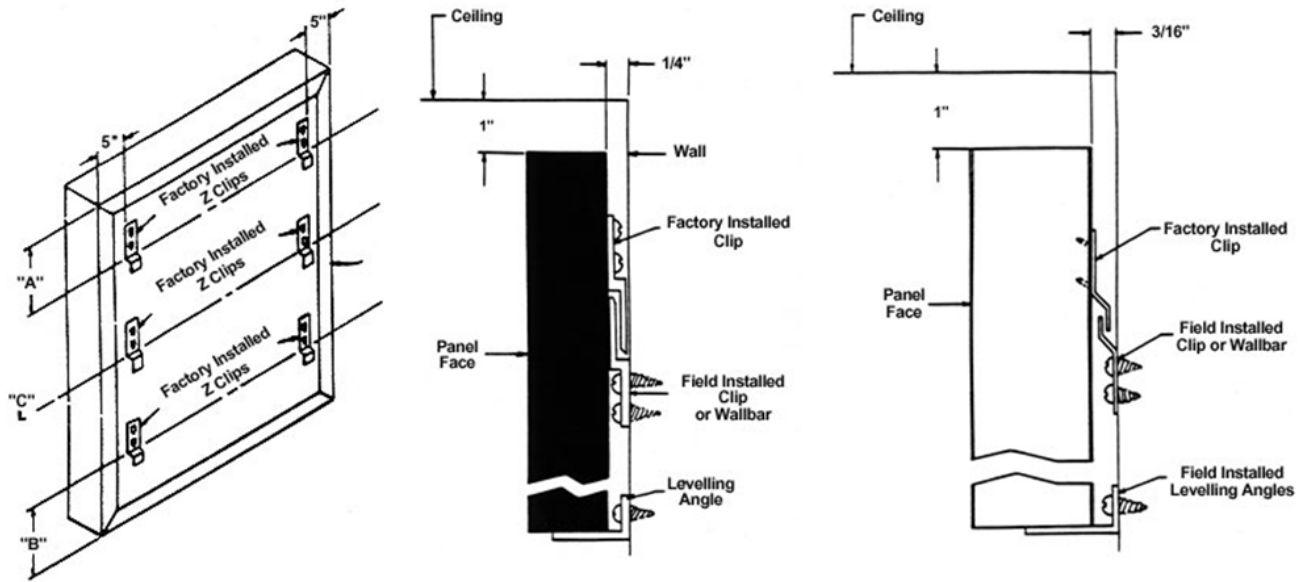
*Impaling clips are not to be used on ceilings.

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.

Z-Clips Option:

The clip positions are standard. The clips vary with panel size. There are 8' - 12' lengths of wallbar, available for panels installed in series. Clip locations can be customized to fit customer's individual requirements, leveling the angles is recommended.

Panel Height	"A"	"B"	Field Clips On Wall	
60" & Over	10"	12"	11-1/4"	10-3/4"
48" to 59"	6"	8"	7-1/4"	6-3/4"
24" to 47"	4"	6"	5-1/4"	4-3/4"
0 to 23"	2"	4"	3-1/4"	2-3/4"



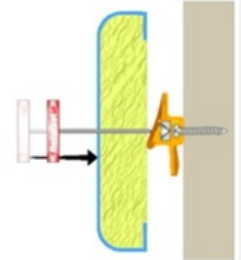
Z- Clips Embedded In Fiberglass Core

Rotofast Option:

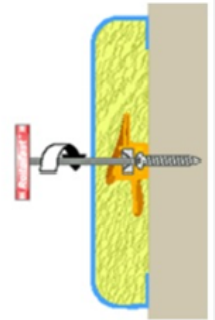
1. To install fiber panels (fabric covered with sprayed on finishes) simply screw Rotofast Standard Anchors to substrate.
2. Pre-MARK anchor locations using template provided.



3. Push metal insert firmly into the Rotofast Anchor body.
4. Position panel at pre-marked location.
5. Push the hex driver through the panel face.



6. Fully engage the metal hex insert in the center of the Rotofast.
7. Turn the Rotofast Standard Anchor clockwise approximately two revolutions.
8. The anchor will cut easily into the panel core, firmly attaching it to the substrate.
9. Lastly pull the driver out, rub the fabric to hide the small hole.



Projects

Printed panels can be installed in Radio Studios, Recording Studios, Schools, Offices, Restaurants, Hotels, Houses of Worship, or any other facility with the need of noise control.