



# Quiet Spaces Create Peaceful Minds



Eco-Friendly Acoustic Panels

# THE FUTURE FOR SOUND ABSORPTION

## OVERVIEW

### OUR COMMITMENT

At FSorb, we are motivated by improving human health and do so by creating eco-friendly acoustic products. Our mission is to help designers build beautiful spaces that reduce excess ambient noise while calming the human nervous system. With over 20 years in the acoustic business we stand behind FSorb as a low-cost, environmentally friendly, and durable product. If you want an acoustic solution that is completely safe to human health at an affordable price, then we are your resource.

### INNOVATIVE PANELS

- Eco-friendly
- Simple to install
- Red List Free - Declare®
- Class A Fire Rated
- Low Cost
- VOC Free
- Stocked 48” x 96” sheets

### APPLICATIONS

- Direct applied
- Suspended
- Furred
- Screens
- Baffles
- Lay-in ceiling
- Tack panels

### USES

- K-12 & Higher Education
- Office Buildings
- Industrial/Manufacturing
- Government
- Theaters & Studios
- Stadiums
- Retail Establishments
- Gymnasiums
- Healthcare
- Public Spaces
- Wineries & Breweries
- Natatoriums
- Restaurants
- Traffic Noise

### PANEL SPECIFICATIONS\*

Thickness	Noise Reduction Co-Efficient (NRC)
1/2”	0.50
1”	0.70
2”	1.05

*\*FSorb panels are a standard 48” x 96” and can be cut to fit onsite or ordered in custom shapes and sizes in the colors shown on page 8*



# OUR CLIENTS

Google

DELTA

Microsoft

WASHINGTON STATE  
UNIVERSITY

amazon

KENWORTH

Zillow

Johnson  
Controls

OREGON  
HEALTH  
& SCIENCE  
UNIVERSITY

”

*FSorb provided us a healthy acoustic product for our school at an economical price point we could not have received with any other product.*

**WESTSIDE SCHOOL**

”

*When they first opened it was really loud and uncomfortable. After they installed FSorb it changed a lot and we can now talk and understand each other without shouting.*

**BOTTLE & BULL  
PUB PATRON**

”

*The sequencing of our construction required acoustic panels be installed before chilled beams in the exposed ceiling and before building enclosure. FSorb was moisture resistant, easy to clean, durable, and cheaper than the specified product.*

**SELLEN CONSTRUCTION**





# ENVIRONMENTAL RESPONSIBILITY

FSorb is an environmentally friendly acoustic product made from thermally bonded recycled polyester plastics. FSorb contains NO adhesives, paints, coatings, VOC’s, formaldehyde, itchy particles, wood, agricultural or paper products.

## PUBLICLY DISCLOSED HEALTH PRODUCT DECLARATION

FSorb has a Red List Free - Declare® Label to support HPD’s for LEED and Living Building Challenge projects. They are located on the product section of the website or provided upon request.



## FREE FROM PAINTS, COATINGS, ADHESIVES AND SEALANTS

NO paints, coatings, adhesives or sealants are used to manufacture FSorb. It is thermally bonded.

## SOURCING OF RAW MATERIALS

The recycled polyester comes from PET plastic fibers which are sourced from a variety of locations near the manufacturer and vary depending on availability.

Material Name	Polyester
CAS Number	#68604-67-1
Proportion	100%
Contains 0.0% VOC’s	

## RECYCLED CONTENT

The recycled content varies depending on the availability of recycled PET fibers. Recycled content is typically 65% depending on product, color and location of manufacturing.

## MANUFACTURING LOCATION

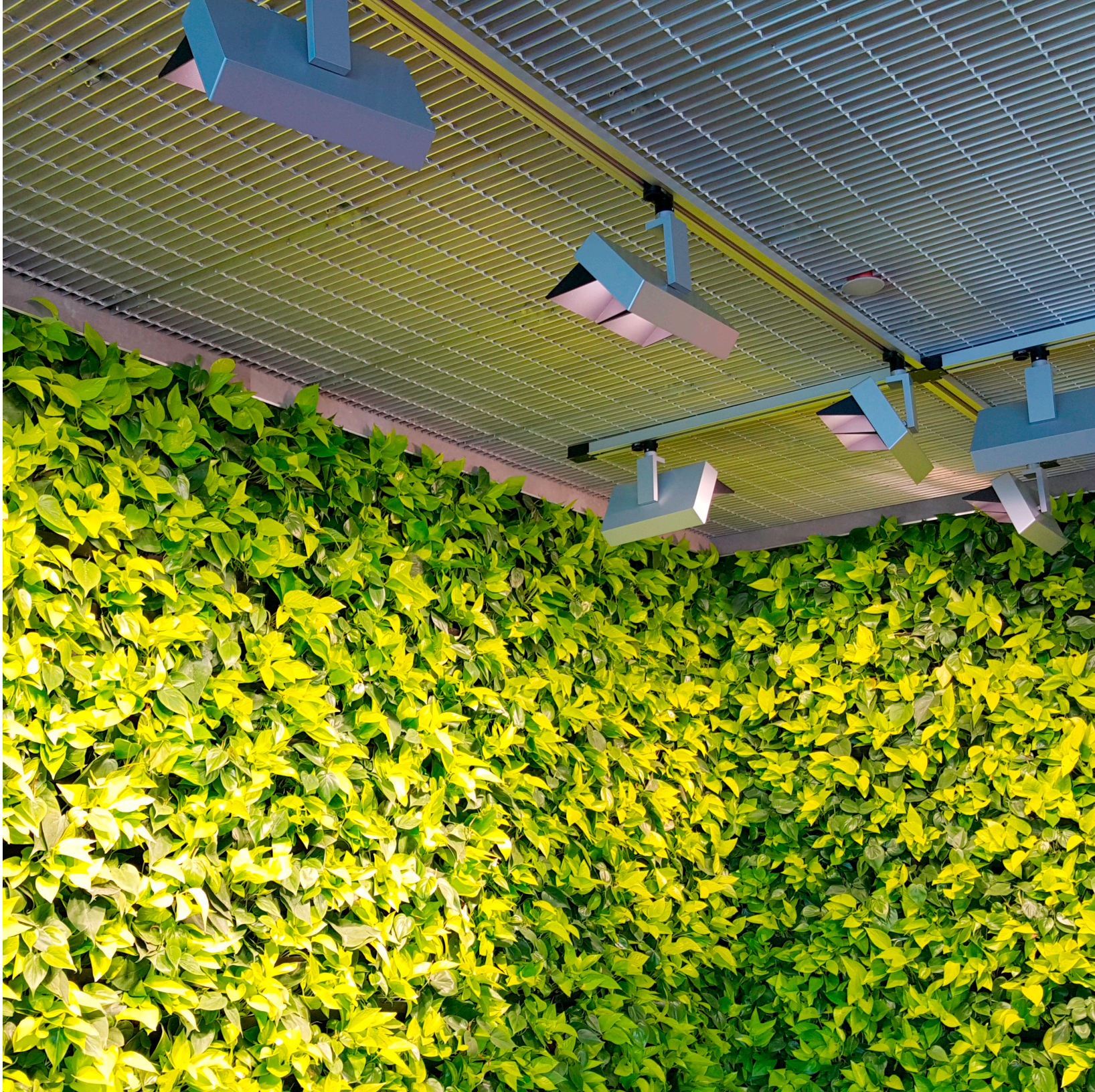
FSorb is manufactured and shaped in Redmond, Washington. Raw materials are sourced within the United States and South Korea. FSorb is distributed through a series of distribution yards throughout North America.

## OTHER ECOLOGICAL INFORMATION

FSorb does not contain any ozone depleting chemicals and is not classified as a hazardous air pollutant.

## END OF LIFE CONSIDERATIONS

FSorb products are recyclable at specialized polyester recycling facilities. FSorb is currently involved in creating a product take-back program to create closed-loop recycling for future product lines.





# COLORS & PRINT

## PREMIUM COLORS

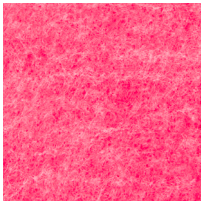
There is a natural variation in color, particularly grey and light grey.



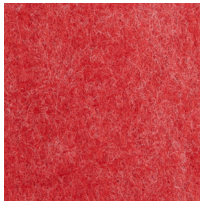
LIGHT BEIGE  
FS-300



CHESTNUT  
FS-810



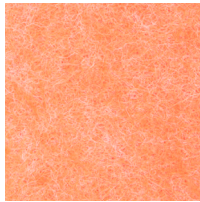
RED  
FS-360



ROSE RED  
FS-330



PINK  
FS-390



ORANGE  
FS-420



APRICOT  
FS-450



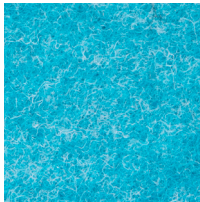
YELLOW  
FS-480



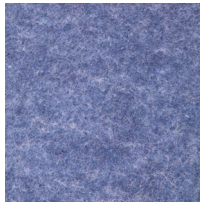
SKY BLUE  
FS-720



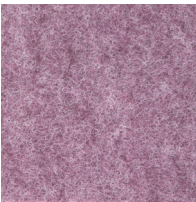
TRUE BLUE  
FS-660



OCEAN BLUE  
FS-690



MIDNIGHT BLUE  
FS-630



DARK PURPLE  
FS-750



PURPLE  
FS-780



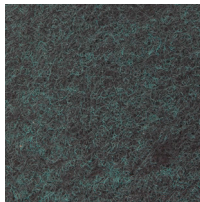
SEAFOAM GREEN  
FS-600



MOSS GREEN  
FS-570

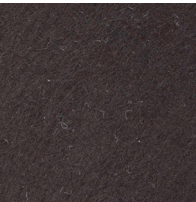


GREEN  
FS-540



DARK GREEN  
FS-510

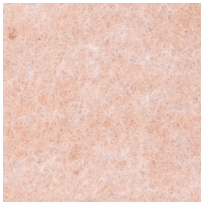
## STANDARD COLORS



BLACK  
FS-250



WHITE  
FS-100



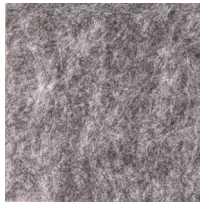
TAN  
FS-190



LIGHT GREY  
FS-130



GREY  
FS-160



CHARCOAL  
FS-220

## PRODUCT AVAILABILITY

We do our best to anticipate your needs. Commonly used colors are stocked in our warehouse and with our distributors across the United States to ensure you have what you need.

- Standard product sheet size is 48” x 96”
- “Available Colors” is product stocked in the US
- 1/2” thickness is stocked in all 24 colors
- 1” and 2” thickness stocked in “Standard Colors”
- Custom colors available upon request with a minimum order of 2,350 sheets (75,000 sf)

## PRINTING OPTIONS

We can help you achieve some amazing acoustic solutions that go far beyond the blank look of an acoustic panel. We can create printed products on 1/2” or 1” sheets with a maximum print area of 47”x 95” Consider sending us a high resolution image for one of the following:

- Wood grain elements
- Logos & Signage
- Large format sequenced graphics
- Geometric patterns
- Artwork

## IDEAS FOR CUSTOM PRINTING



GEOMETRIC



GEOMETRIC



WOOD



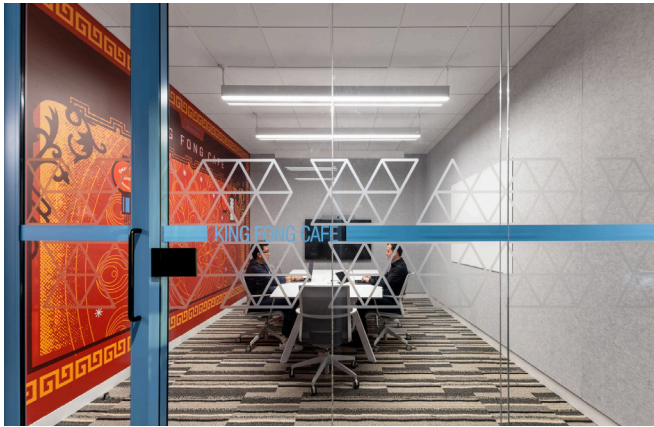
WOOD



WOOD



WOOD





1/2"



## APPLICATIONS AND USAGE

The 1/2" is ideal for creating custom shapes, cutouts, and unique architectural forms. It has a great tackable surface and is a lower cost solution than fabric wrapped panels. Works well with spaces requiring minor acoustic correction such as:

- Offices
- Universities
- Retail spaces

## PANEL SPECIFICATIONS

Thickness	1/2"
NRC	0.50 (Type A mount)
Size	48" x 96"

*Can be cut to fit onsite or ordered in custom sizes.*

## AVAILABLE COLORS



Light Beige, Chestnut, Red, Rose Red, Pink, Orange, Apricot, Yellow, Sky Blue, True Blue, Ocean Blue, Midnight Blue, Dark Purple, Purple, Seafoam Green, Moss Green, Green, Dark Green, Black, White, Tan, Light Grey, Grey, and Charcoal

*Typically stocked inventory within U.S., often ships in 3-5 business days.*



1"



APPLICATIONS AND USAGE

As the most commonly specified product, the 1” has a high NRC to thickness ratio with a low price point. It is great for spaces requiring acoustic correction and is excellent for absorbing voice ranges. It is ideal for:

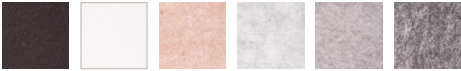
- Industrial/Manufacturing
- Gymnasiums
- Natatoriums
- Offices
- Schools
- Universities
- Restaurants

PANEL SPECIFICATIONS

Thickness	1”
NRC	0.70 (Type A mount)
Size	48” x 96”

Can be cut to fit onsite or ordered in custom sizes.  
Premium color orders require a 100 sheet minimum.

AVAILABLE COLORS



Black, White, Tan, Light Grey, Grey, and Charcoal

Typically stocked inventory within U.S., often ships in 3-5 business days.

PREMIUM COLORS



Light Beige, Chestnut, Red, Rose Red, Pink, Orange, Apricot, Yellow, Sky Blue, True Blue, Ocean Blue, Midnight Blue, Dark Purple, Purple, Seafoam Green, Moss Green, Green, Dark Green

Call us for leadtime on Premium Colors - 100 sheet minimum (typically ship within 8-12 weeks)



2"



APPLICATIONS AND USAGE

The highest NRC of the FSorb product line, the 2” is often used for baffles and unique sound absorption requirements. It is also a great tackable surface and lower cost solution than fabric wrapped panels. It is ideal for:

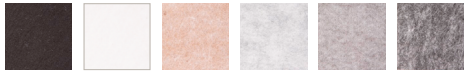
- Auditoriums
- Office
- Sound Rooms
- Natatoriums
- Gymnasiums

PANEL SPECIFICATIONS

Thickness	2"
NRC	1.05 (Type A mount)
Size	48" x 96"

Can be cut to fit onsite or ordered in custom sizes.  
Premium color orders require a 100 sheet minimum.

AVAILABLE COLORS



Black, White, Tan, Light Grey, Grey, and Charcoal

Typically stocked inventory within U.S., often ships in 3-5 business days.

PREMIUM COLORS



Light Beige, Chestnut, Red, Rose Red, Pink, Orange, Apricot, Yellow, Sky Blue, True Blue, Ocean Blue, Midnight Blue, Dark Purple, Purple, Seafoam Green, Moss Green, Green, Dark Green

Call us for leadtime on Premium Colors - 100 sheet minimum (typically ship within 8-12 weeks)



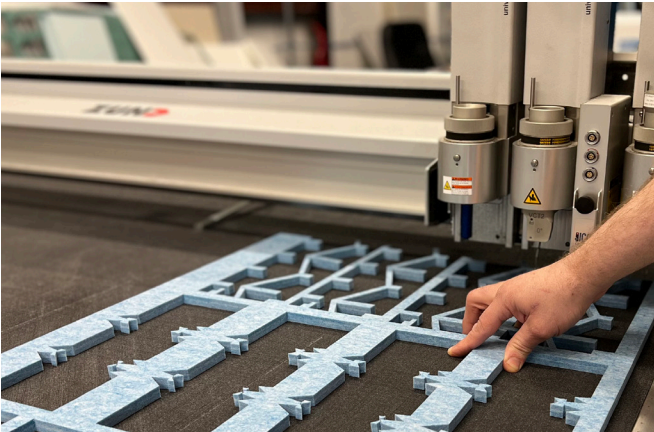
# CUSTOM SHAPING

You are the design genius and we are the expert manufacturer. Together there is unlimited potential within our 48" x 96" sheet size. Our custom shapes division is able to create unique elements to address acoustic issues in a beautiful and creative way. We can work from a sketch, photo, or CAD drawing to build what you have imagined. Our goal is to give you the ultimate freedom in designing with FSorb materials. Whether it be a unique bevel, custom cut shapes, patterns cut out of a panel, or a 3D element with an integrated light fixture, we like creating new things with you.

Acoustic elements increase the extent to which sound waves hitting them are absorbed, in order to reduce their intensity and echo.

FSorb is an easy material to cut and sculpt into shapes that re-define space while absorbing sounds that otherwise impact the nervous system.

## CNC CUTTING EQUIPMENT



At FSorb, we can cut, inlay, or score almost anything. Share your ideas and we'll make it happen—we are also happy to provide creative solutions.

## INLAYS, SCORING, & SCREENS





# QUIETGRID CLOUD



## APPLICATIONS AND USAGE

Quietgrid Cloud systems are designed to absorb sound from multiple directions. Suspended with cables, they provide a clean three dimensional design for a more visually dynamic space. Ideal for:

- Offices
- Hotels
- Lobbies
- Conference rooms
- Gathering spaces

## PANEL SPECIFICATIONS

Thickness	1/2"
NRC	0.95 (Type J mount)
Size	47", 71", 95"
Height	8"

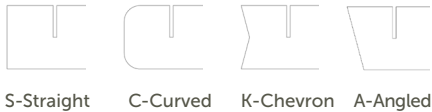
*Note: Except for Transit, the number of blades in a repeating pattern needs to be in multiples of 4.*

## AVAILABLE COLORS

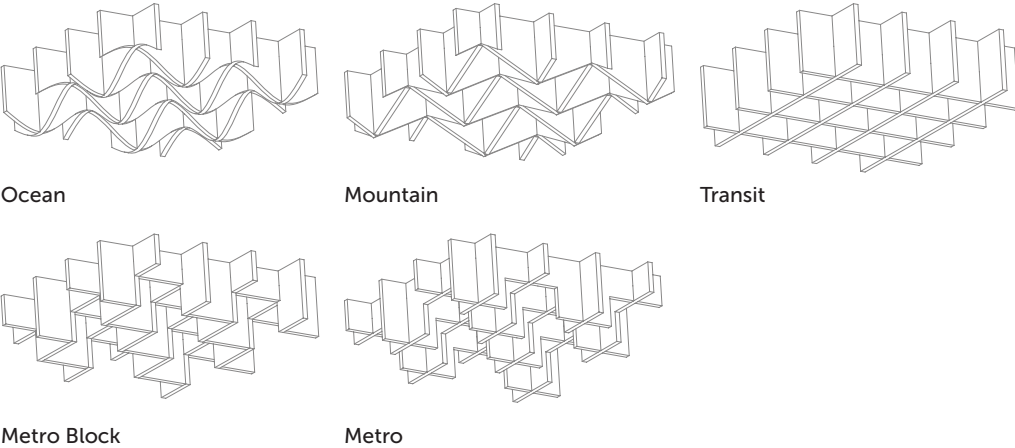


Light Beige, Chestnut, Red, Rose Red, Pink, Orange, Apricot, Yellow, Sky Blue, True Blue, Ocean Blue, Midnight Blue, Dark Purple, Purple, Seafoam Green, Moss Green, Green, Dark Green, Black, White, Tan, Light Grey, Grey, and Charcoal

## CLOUD END OPTIONS



## SHAPES





# QUIETGRID SYSTEMS



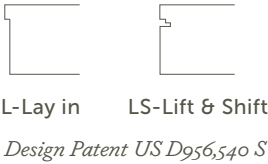
## APPLICATIONS AND USAGE

Quietgrid Systems absorb sound from multiple directions. They are designed for an easy installation into a ceiling grid system. An ideal option for a project seeking a fresh three dimensional ceiling design.

## PANEL SPECIFICATIONS

Thickness	1/2"
NRC	0.95 (Type J mount)
Size	48" x 48"
Height	8" & 12"

## CEILING GRID CONNECTIONS

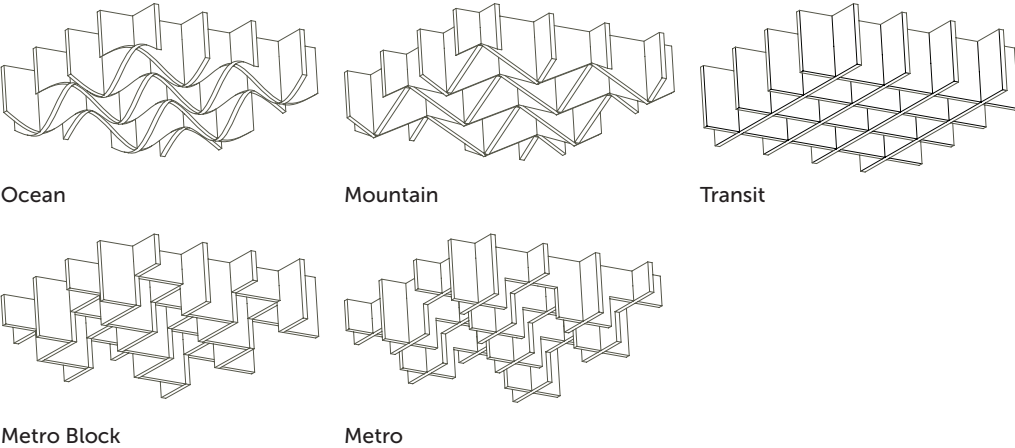


## AVAILABLE COLORS



Light Beige, Chestnut, Red, Rose Red, Pink, Orange, Apricot, Yellow, Sky Blue, True Blue, Ocean Blue, Midnight Blue, Dark Purple, Purple, Seafoam Green, Moss Green, Green, Dark Green, Black, White, Tan, Light Grey, Grey, and Charcoal

## SHAPES





# SILENTLINE BAFFLES



## APPLICATIONS AND USAGE

Silentline Baffles are designed to absorb sound and provide a clean, dynamic linear feel within the ceiling space. We currently have four standard baffle shapes and can also create custom shapes for larger orders.

## PANEL SPECIFICATIONS

Thickness	1/2"	1"	2"
NRC (12" o/c)	0.75	0.95	1.20
Size	47", 95" or custom		
Height	8", 12" or custom		

## SHAPES



Transit



Ocean



Mountain



Metro

## AVAILABLE COLORS

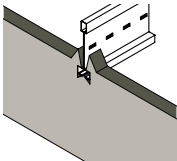


Light Beige, Chestnut, Red, Rose Red, Pink, Orange, Apricot, Yellow, Sky Blue, True Blue, Ocean Blue, Midnight Blue, Dark Purple, Purple, Seafoam Green, Moss Green, Green, Dark Green, Black, White, Tan, Light Grey, Grey, and Charcoal

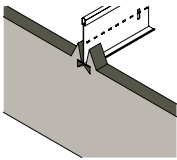
*Custom printed options available.*

## INSTALLATION

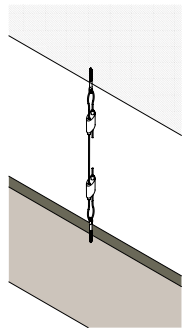
*If you have a ceiling grid, F-Snap and T-Snap are available in 1/2" material only.*



(FH) F-Snap High



(TH) T-Snap High



Cable Gripper Kit



# SILENTLINE DIMENSIONAL BAFFLES



## APPLICATIONS AND USAGE

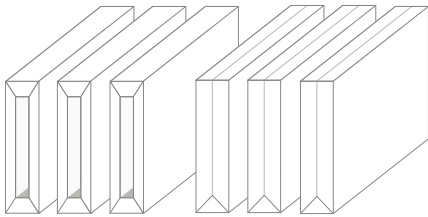
Silentline Dimensional Baffles are great for absorbing sound with a larger volume shape. These dimensional baffles can also be printed with a wood grain to look like an actual beam or be left as a solid color suspended to create a broader linear pattern within the ceiling. Installation options range from being suspended, fastened, or clipped into a ceiling grid. Ideal for:

- Education
- Offices
- Conference Rooms
- Restaurants
- Retail Spaces
- Lobbies

## PANEL SPECIFICATIONS

Thickness	1/2"	Folded	Box
NRC	0.75	1.15	1.30
	12" spacing for NRC		

## SHAPES



*Note: Boxes can have end caps like shown in photo to left.*

## AVAILABLE COLORS



Light Beige, Chestnut, Red, Rose Red, Pink, Orange, Apricot, Yellow, Sky Blue, True Blue, Ocean Blue, Midnight Blue, Dark Purple, Purple, Seafoam Green, Moss Green, Green, Dark Green, Black, White, Tan, Light Grey, Grey, and Charcoal

*Custom print options available.*



## 26





# EXTERIOR ACOUSTIC PANELS



## APPLICATIONS AND USAGE

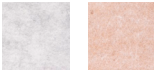
These panels have many benefits—they are UV stable, fully weather resistant, no facings are required, cleanable, and come with a 10 year warranty. They are ideal for:

- Manufacturing
- Industrial
- Distribution Centers
- Transportation
- Chillers
- Swimming Pools
- Generators

## PANEL SPECIFICATIONS

Thickness	2"
NRC	0.80 (Type A mount)
Size	48" x 96"

## AVAILABLE COLORS



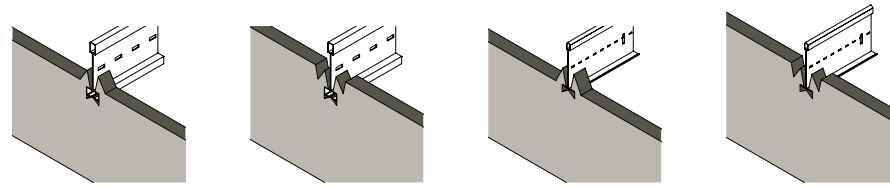
Light Grey and Tan

*Other colors available for large order requests.*



# INSTALL OPTIONS

## PATENTED FSORB ATTACHMENT OPTIONS



(FH) F-Snap High

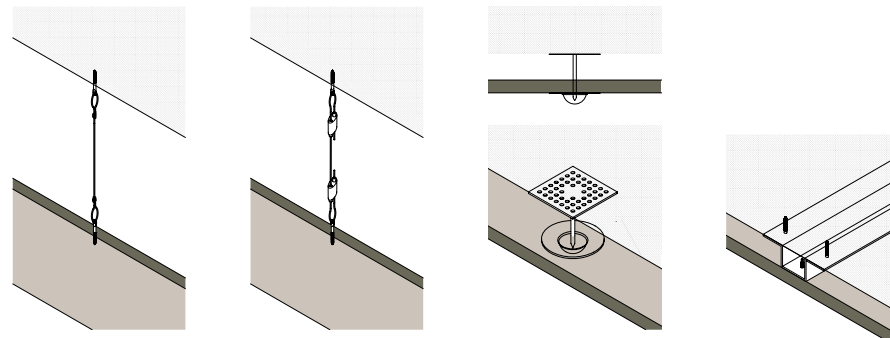
(FL) F-Snap Low

(TH) T-Snap High

(TL) T-Snap Low

- The F-snap is for a Bolt Slot grid system.
- The T-Snap can be modified to fit 9/16" or 15/16" grid.

## OTHER ATTACHMENT OPTIONS

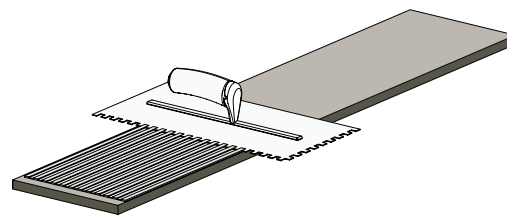


I-Lag

Cable Gripper Kit

Stick Pins

Hat Channel



Direct apply with Acoustic Adhesive using 1/4" square notch trowel (confirm surface meets adhesive standards)

# PRODUCT INSTALLATION

FSorb can be cut with a straight edge and a sharp utility knife, insulation knife, table saw or otherwise.

FSorb can be installed directly to a surface with the use of low VOC adhesives, mechanical clips, waferhead screws, staples or "buttons."

FSorb can be used as an acoustical core in stretched fabric systems. Mechanically fasten the core to the substrate. Low VOC adhesives may additionally be used. The high density face is installed outwards to the surface of the application. Fabrics can then be stretched within the tensioning tracks over the FSorb core.

FSorb can be furred off the wall or ceiling with the use of a hat channel or similar to create an air space behind it and increase NRC value.

FSorb can be installed into ceiling suspension systems in sizes up to 48"x48" or 24"x96".

FSorb recommends a minimum of 8 attachment points 24" on center for suspended panels. Fasteners directly attached to a surface can also be spaced at 42" on center. Inset fasteners no more than 8" from the panel edges. Do not exceed 42" between fasteners for installations direct to walls or ceilings.

FSorb is created with heat and pressure, so the thickness within the panel can vary slightly. We recommend that reveals between panels be considered. The installers can also carefully install the panels to minimize variations in thicknesses.

FSorb can be cleaned and maintained as follows: brush off, blow off with compressed air, clean by using a dry cleaning sponge, damp white cloth or similar. Heavy soiling or stains may require a cleaner similar to Resolve Carpet Cleaner or Spot Shot which should be used as directed. Heavily damaged panels should be replaced.



# COMMON QUESTIONS

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## Does FSorb create custom colors and printing?

Creating custom colors is possible if the project is over 75,000 square feet and if there is a 16-18 week lead time to do so. We can easily print on the surface of FSorb.

## Which panel thickness is best for my project?

The 1” thick FSorb panels are most commonly specified for spaces requiring acoustic treatment. Spaces with extreme sound issues and/or limited installation space may benefit from the 2” thick FSorb panels. Our ½” thick FSorb panels work well when a 1” or 2” panel is too thick for applications in tight areas.

## What kind of adhesive do I use to direct apply FSorb?

We recommend using an acoustic tile adhesive or general purpose construction adhesive on clean, dry surfaces with no moisture or peeling paint. (Tightbond acoustic ceiling tile adhesive, 1/4” square notch trowel.)

## Can FSorb panels be glued to concrete?

It is not recommended that FSorb be glued to painted concrete or to new concrete without moisture testing that meets adhesive manufacturer requirements. Additional prep to the concrete surface may be required.

## Which FSorb Panels are used for tackable surfaces?

All FSorb products have a surface that can be used for push pins. The ½” is designed specifically for high use tackable panels.

## Will Noise Reduction Coefficient (NRC) vary from surface mounted to suspended?

Yes. A suspended installation will increase the NRC rating by 20% over a surface mount installation.

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Restaurants



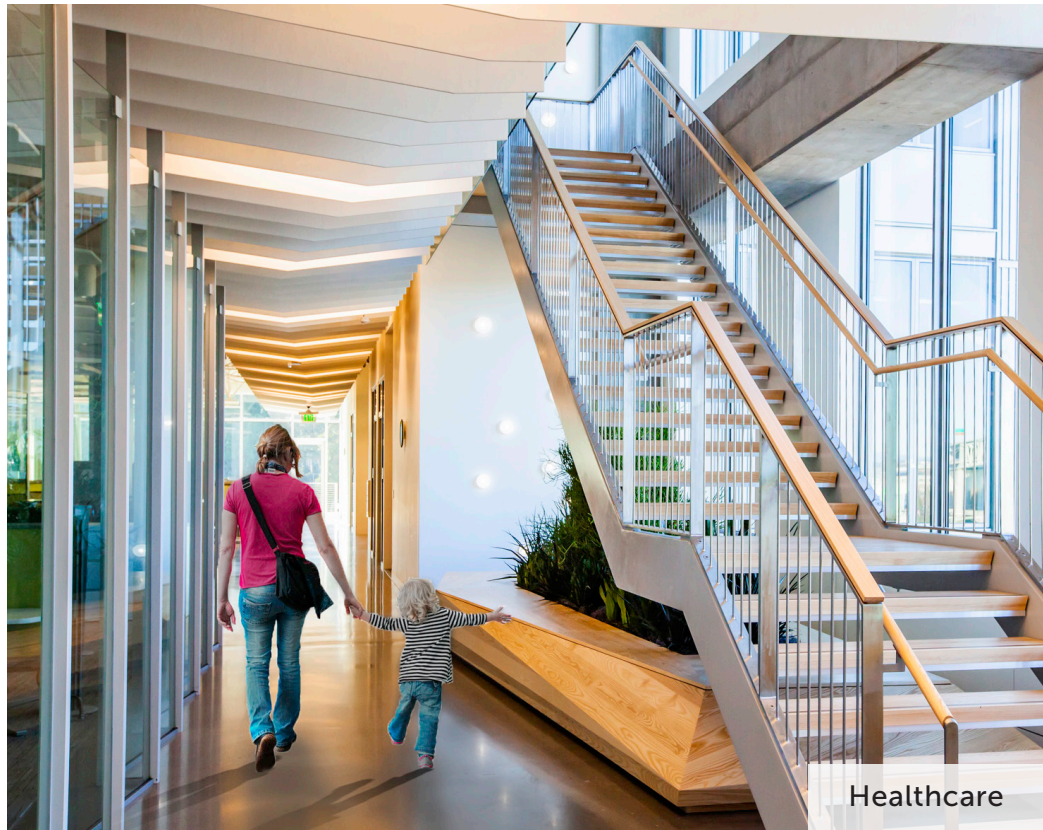
Industrial



K-12 Schools



Hospitality



Healthcare



Institutions



Offices



Retail





[info@fsorb.com](mailto:info@fsorb.com)

[fsorb.com](http://fsorb.com)

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