



# ACOUSTICS MADE HEALTHY

Eco-Friendly Acoustic Panels

 Sorb®

# 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.

### OUR PANELS ARE

- 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)
3/8"	0.35
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

Zillow

KENWORTH

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.

### PAINTS, COATINGS, ADHESIVES AND SEALANTS

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

Material Name	<i>Polyester</i>
CAS Number	<i>#68604-67-1</i>
Proportion	<i>100%</i>
Contains 0.0 VOC's	

### SOURCING OF RAW MATERIALS

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

### RECYCLED CONTENT

The recycled content varies depending on the availability of recycled PET pellets. The recycled content range is between 65% – 96% depending on product, color and location of manufacturing.

### MANUFACTURING LOCATION

- Products are manufactured in one of the following locations:
- Los Angeles, California
  - Gyeonggi, Korea

- Final assembly for specialty products:
- Redmond, Washington

### 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 & MATERIALS

## PREMIUM COLORS

*Custom colors available upon request with minimum order of 2,000 sheets (65,000 sf)*



LIGHT BEIGE  
FS-300



CHESTNUT  
FS-810



RED  
FS-360



ROSE RED  
FS-330



PINK  
FS-390



ORANGE  
FS-420



APRICOT  
FS-450



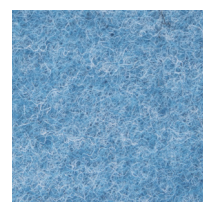
YELLOW  
FS-480



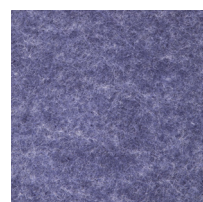
SKY BLUE  
FS-720



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



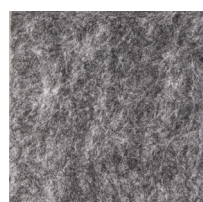
TAN  
FS-190



LIGHT GREY  
FS-130



GREY  
FS-160



CHARCOAL  
FS-220

## MADE FROM RECYCLED PLASTIC

### Microbe Resistant

Unlike cotton and acoustic fabrics that can attract moisture that generates mold and mildew

### Durable

Easy to wash, and does not ding or break like paper and fiber based products

### Long lasting

Ability to absorb sound and still look good for 50 years or more

### Safe

No chemicals, or itchy airborne particles for building users to ever deal with

## LEED & LBC product Declarations

## EXTRUDED POLYESTER

No coatings or adhesives. Our approach is simple as we only use one material. FSorb is extruded, recycled content polyester, shaped and formed with heat.



3/8"



### APPLICATIONS INCLUDE

Tack panels | Spaces requiring minor acoustic correction | Covering exposed structural elements

### PANEL SPECIFICATIONS\*

Thickness	3/8"
NRC	0.35
Size	48" x 96"

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

### USAGE

Most commonly selected for tackable surfaces as a lower cost solution replacing cork and fabric wrapped panels. Ideal for:

- Schools
- Universities
- Offices

### 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, Charcoal

1/2"



### APPLICATIONS INCLUDE

Custom shapes | Tack panels | Spaces requiring minor acoustic correction | Stretch fabric systems

### PANEL SPECIFICATIONS\*

Thickness	1/2"
NRC	0.50
Size	48" x 96"

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

### USAGE

Ideal for creating custom shapes, cutouts, and unique architectural forms. Also a great tackable surface and lower cost solution than fabric wrapped panels. Ideal for:

- Offices
- Universities
- Retail

### 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, Charcoal

1"



## APPLICATIONS INCLUDE

Spaces requiring acoustic correction | Exposed concrete or metal deck ceilings | Walls or suspended baffles | Stretch fabric systems | Most any application

## PANEL SPECIFICATIONS\*

Thickness	1"
NRC	0.70
Size	48" x 96"

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

## USAGE

As the most commonly specified product, the 1" has a high NRC to thickness ratio with a low price point. It is ideal for absorbing voice ranges.

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

## 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  
 Black, White, Tan, Light Grey, Grey, Charcoal

*\*Call us for leadtime on Premium Colors (they typically ship within 8-10 weeks).*

## STANDARD COLORS



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

*\*Standard Colors typically ship within 3-5 business days.*

*\*Certain colors may require lighter backing color to meet Class A Fire Rating*





### APPLICATIONS INCLUDE

Spaces requiring serious acoustic correction | Exposed concrete or metal deck ceilings | Walls or suspended baffles

### PANEL SPECIFICATIONS\*

Thickness	2"
NRC	1.05
Size	48" x 96"

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

### USAGE

The highest NRC of the FSorb product line, the 2" is often used for baffles, and unique sound absorption requirements.

- Auditoriums
- Office
- Sound Rooms
- Natatoriums
- Gymnasiums

### 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, Black, White, Tan, Light Grey, Grey, Charcoal

*\*Call us for leadtime on Premium Colors (they typically ship within 8-10 weeks).*

### STANDARD COLORS



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

*\*Standard Colors typically ship within 3-5 business days.*

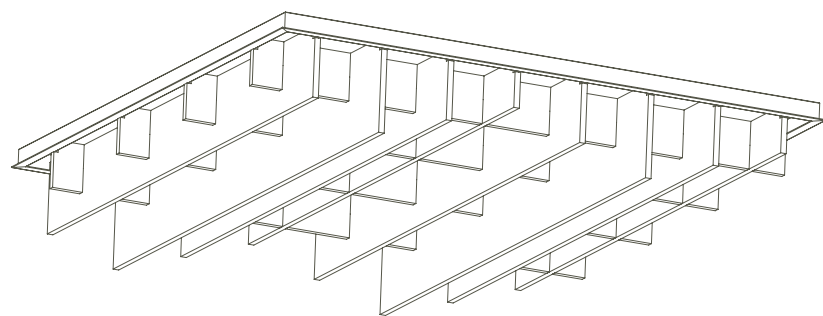
*\*Certain colors may require lighter backing color to meet Class A Fire Rating*

# CUSTOM SHAPING

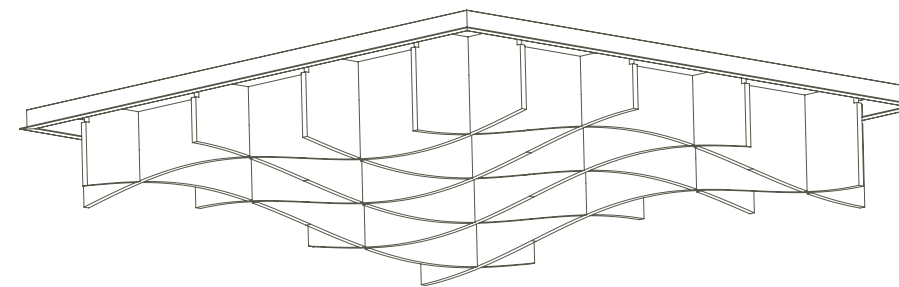
You are the design genius and we are the expert manufacturer. Together there is unlimited potential. Our custom shapes division is able to create unique elements to address acoustic issues in a beautiful and creative way. We can work from a sketch, photo, or CAD drawing to build what you have imagined. Our goal is to give you the ultimate freedom in designing with FSorb materials. Whether it be a unique bevel, a custom cut shape, patterns cut out of a pane, 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. Please contact us at [info@fsorb.com](mailto:info@fsorb.com) for support with your design and/or an estimate.

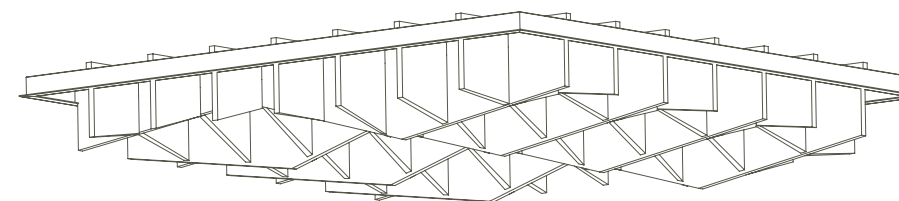
## TRANSIT



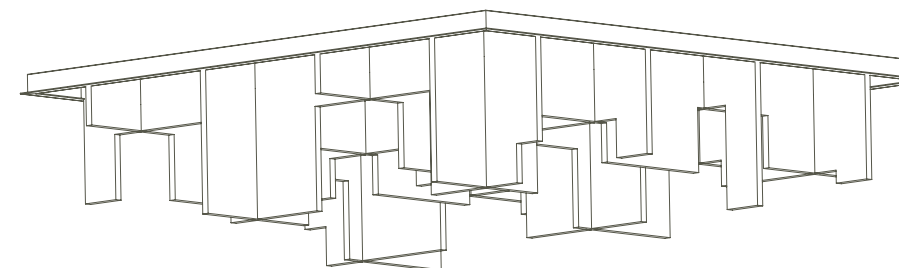
## OCEAN



## MOUNTAIN



## METRO

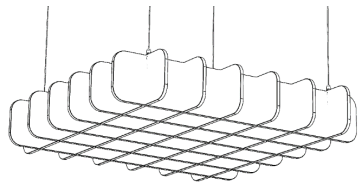


At FSorb, we can cut anything. Give us a call and we'll make it happen.

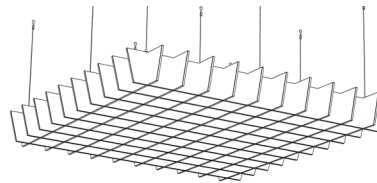
# Quietgrid



Q-47K

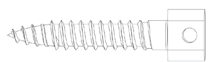


Q-71C

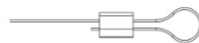


Q-95A

## HARDWARE OPTIONS



I-Lag



Cable Gripper Kit

## APPLICATIONS AND USAGE

Quietgrid cloud systems are designed to absorb sound and provide a clean three dimensional feel within a space. Ideal for education, offices, retail and lobbies.

## PANEL SPECIFICATIONS

Thickness	1/2"
NRC	0.75
Size	47", 71", 95"
Height	8"

## ENDS



A-Angled S-Straight C-Curved K-Chevron

## STANDARD COLORS



- UL Certified for no VOC's
- LEED & LBC Product Declarations
- Absorbing Sound Beautifully For A Lifetime

Declare



TVOC UL  
0.5mg/m<sup>3</sup>  
or less

## STATEMENT OF HAZARDOUS NATURE

Classified as Non-hazardous according to OSHA29C-FR1910.1200

## FIRST AID INFORMATION

SWALLOWED: Give a glass of water & seek medical advice.  
SKIN: Brush off. EYE: If the product comes into contact with the eye, immediately hold the eye open and wash with fresh water. If pain persists seek medical advice.

## FIRE FIGHTING MEASURES:

Alert fire department of location and nature of fire. Extinguish with water, fog, foam, or dry chemical. Product includes carbon monoxide. Material will shrink away from flame and may drip.

## PRODUCT DESCRIPTION

Non-woven, thermally bonded 100% polyester fiber panel. 65% recycled content, 100% recyclable. Class A Fire Rating per ASTM E84. CAS # 68604-67-1. Noise Reduction Coefficient (NRC) 0.50 per ASTM C423-09a.

## HANDLING AND STORAGE

Do not compress or bend product or package. Segregate from strong oxidizers. Keep covered, clean and dry.

## CLEANING & MAINTENANCE

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 directly. Heavily damaged panels should be replaced.

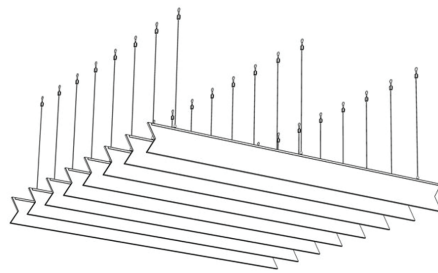
## LIMITED ONE-YEAR WARRANTY

F-SORB® has a limited One-Year Warranty. This warranty covers defects in the structural integrity of the panels. This warranty does not cover damage caused by fire, water, accident, or by any form of abuse.

1 (844) 313-7672  
www.fsorb.com



# Silentline Baffles



SL-95K-Transit-White-100-CG



Transit



Mountain

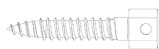


Ocean



Metro

## HARDWARE AND ATTACHMENT OPTIONS



I-Lag



Cable Gripper Kit



(FH) F-Snap



(FL) Low



(TH) High



(TL) Low

## APPLICATIONS AND USAGE

Installs to standard USG  $\frac{1}{8}$ " T-Grid or Slot Bolt suspension system. Can be hung independently with c-channel, I-lags, or cable gripper stainless steel hardware.

## PANEL SPECIFICATIONS

Thickness	1/2"	1"	2"
NRC	0.75	0.95	1.20
Size	47"	95"	
Height	8"	12"	

(Spacing 12" on center)

## ENDS



A-Angled



S-Square



C-Curved



K-Chevron

## STANDARD COLORS



- UL Certified for no VOC's
- LEED & LBC Product Declarations
- Absorbing Sound Beautifully For A Lifetime

Declare



TVOC UL  
0.5mg/m<sup>3</sup>  
or less

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SKIN: Brush off. EYE: If the product comes into contact with the eye, immediately hold the eye open and wash with fresh water. If pain persists seek medical advice.

## FIRE FIGHTING MEASURES

Alert fire department of location and nature of fire. Extinguish with water, fog, foam, or dry chemical. Product includes carbon monoxide. Material will shrink away from flame and may drip.

## PRODUCT DESCRIPTION

Non-woven, thermally bonded 100% polyester fiber panel. 65% recycled content, 100% recyclable. Class A Fire Rating per ASTM E84. CAS # 68604-67-1. Noise Reduction Coefficient (NRC) 0.50 per ASTM C423-09a.

## HANDLING AND STORAGE

Do not compress or bend product or package. Segregate from strong oxidizers. Keep covered, clean and dry.

## CLEANING & MAINTENANCE

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 directly. Heavily damaged panels should be replaced.

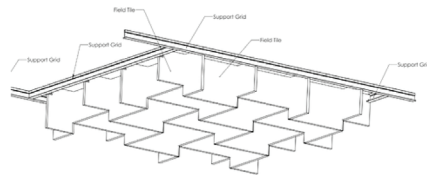
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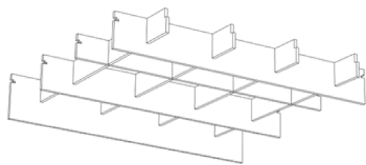
1 (844) 313-7672  
www.fsorb.com



# Quietgrid 48



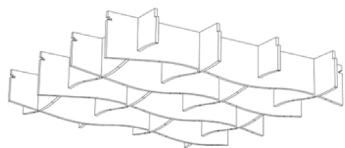
Metro Block



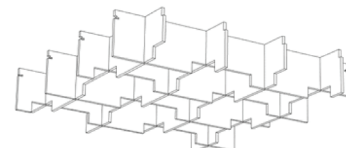
Transit



Mountain



Ocean



Metro

## APPLICATIONS AND USAGE

Quietgrid cloud systems are designed to absorb sound and provide a clean three dimensional feel within a space. Works with  $\frac{1}{16}$ " wide grid systems. Systems easily install for seismic compliance.

## PANEL SPECIFICATIONS

Thickness	1/2"
NRC	0.95
Size	8"
Height	8" 12"

## ENDS



L-Lay in



LS-Lift & Shift

## STANDARD COLORS



- UL Certified for no VOC's
- LEED & LBC Product Declarations
- Absorbing Sound Beautifully For A Lifetime

Declare



TVOC UL  
0.5mg/m<sup>3</sup>  
or less

## STATEMENT OF HAZARDOUS NATURE

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## FIRE FIGHTING MEASURES

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## PRODUCT DESCRIPTION

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## CLEANING & MAINTENANCE

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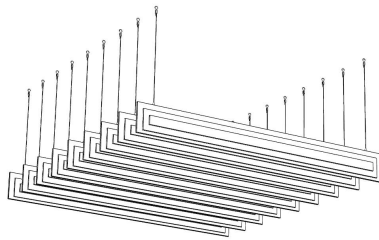
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www.fsorb.com



# Silentline Dimensional Baffles



SL-95-3 Layered - White-100-CG



Transit



Mountain

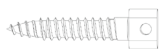


Ocean



Metro

## HARDWARE AND ATTACHMENT OPTIONS



I-Lag



Cable Gripper Kit



(FH) F-Snap



(FL) Low



(TH) High



(TL) Low

## APPLICATIONS AND USAGE

Installs to standard USG  $\frac{1}{8}$ " T-Grid or Slot Bolt suspension system. Can be hung independently with c-channel, I-lags, or cable gripper stainless steel hardware.

## PANEL SPECIFICATIONS

Thickness	1/2"	1"	2"
NRC	0.75	0.95	1.20
Size	47"	95"	
Height	8"	12"	

(Spacing 12" on center)

## ENDS



A-Angled



S-Square



C-Curved



K-Chevron

## STANDARD COLORS



- UL Certified for no VOC's
- LEED & LBC Product Declarations
- Absorbing Sound Beautifully For A Lifetime

Declare



TVOC UL  
0.5mg/m3  
or less

## STATEMENT OF HAZARDOUS NATURE

Classified as Non-hazardous according to OSHA29C-FR1910.1200

## FIRST AID INFORMATION

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SKIN: Brush off. EYE: If the product comes into contact with the eye, immediately hold the eye open and wash with fresh water. If pain persists seek medical advice.

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## CLEANING & MAINTENANCE

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# COMMON QUESTIONS

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## Does FSorb create custom colors and printing?

Creating custom colors is possible if the project is over 25,000 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 3/8" and 1/2" 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.

## 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.

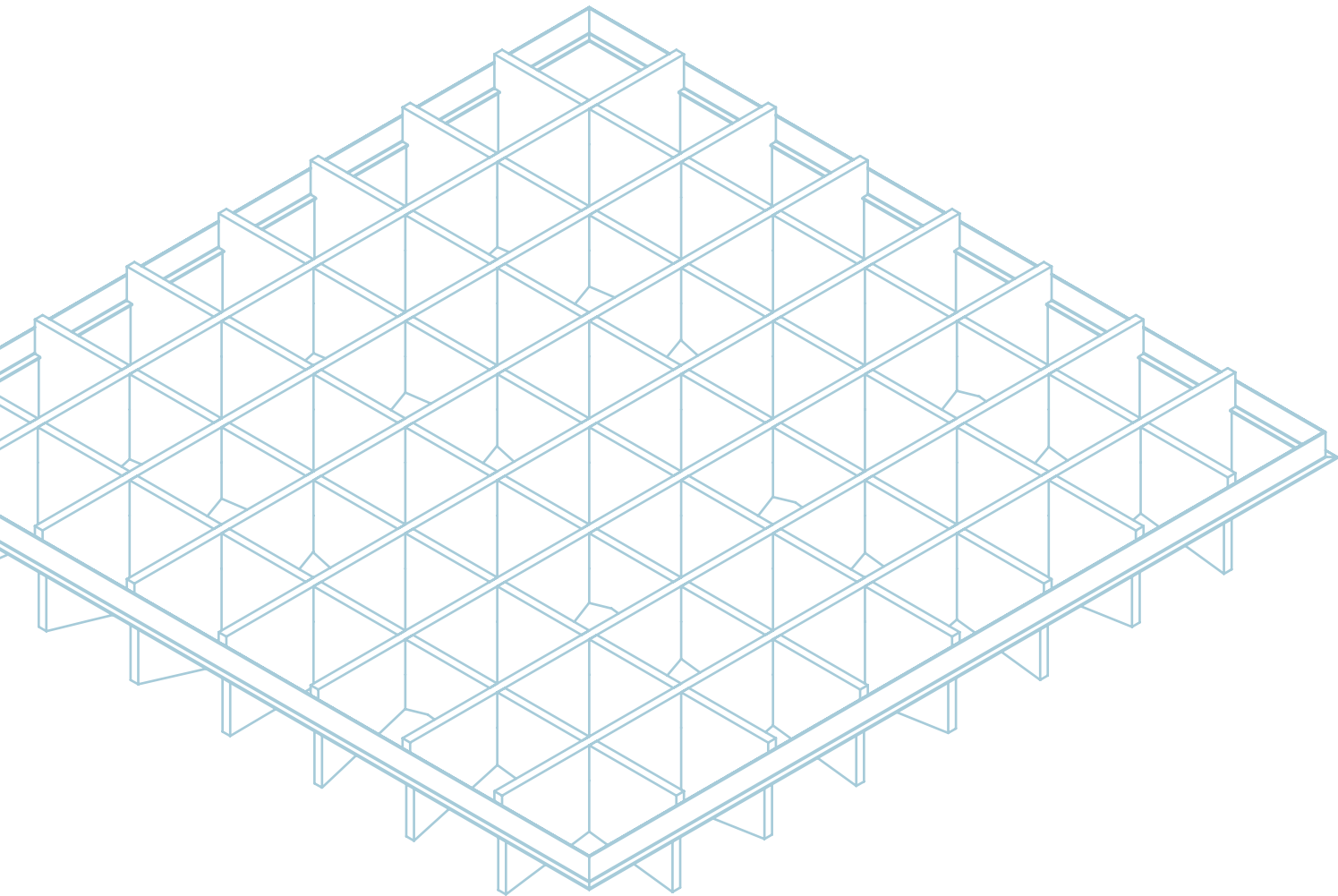
## Which FSorb Panels are used for tackable surfaces?

All FSorb products have a surface that can be used for push pins. The 3/8" 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.





Additional information  
available to help support  
a successful installation

# 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 tek 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 over the FSorb core.

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

FSorb can be installed into ceiling suspension systems in sizes up to 48" x 96".

FSorb recommends a minimum of 24" attachment points for suspended FSorb panels. Fasteners direct to a surface can also be spaced every 24". Inset fasteners no more than 8" from the panel edges. Do not exceed 24" between fasteners for installations direct to wall or ceiling.

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

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

844.313.7672