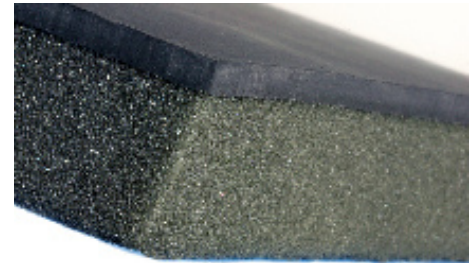


Quiet Barrier® Soundproofing Composites

Features & Benefits:

- **Triple Soundproofing Function** - The mass of Quiet Barrier® blocks sound while its flexible nature dampens sound energy. The Acoustic foam acts as a decoupler, structurally isolating the heavy barrier layer from the construction assembly, ultimately increasing the sound blocking performance.
- **Variety** - Quiet Barrier® soundproofing composites are available in a variety weights and thicknesses. Also, the Quiet Barrier® soundproofing composites are available with an optional “peel and stick” pressure sensitive adhesive (PSA).
- **Proven History** - Over 1 Million square feet of Quiet Barrier® soundproofing composites are installed in projects nationwide.



General Information:

Quiet Barrier® Soundproofing Composites are industrial grade products that stop sound from entering or leaving a space. These products are composed of Quiet Barrier® soundproofing membrane and acoustic grade, polyurethane foam. The Quiet Barrier® provides mass and blocks noise. The acoustic foam works as a decoupler, structurally isolating the Quiet Barrier® layer from the wall or ceiling assembly, in turn improving the sound stopping performance. The acoustic foam also absorbs sound energy, ultimately contributing to the noise blocking performance. These products are mounted to a variety of surfaces and work best with existing structures that suffer from poor soundproofing. This product is also used in the automotive industry to soundproof from road noise. Quiet Barrier® Foam Composites are durable and will perform consistently over a long period of time. We stock three different versions of Quiet Barrier® Foam Composites, however, we can custom build to specifications. Quiet Barrier® Foam Composites are tough, heavy and unattractive, however, they work!

How Quiet Barrier® Soundproofing Composites work:

In essence, Quiet Barrier® Soundproofing Composites block the transmission of noise from one area to the next. The “noise source” hits the barrier and is reflected back into the room or space of origin. See figure 1. Typically, the noise is not muffled or absorbed in any way, which means that decibel level within the source room remains the same or is increased. The difference between the source noise and the transmitted noise is the sound transmission loss.

Which Quiet Barrier® Soundproofing Composite is right for me?:

Quiet Barrier® Soundproofing Composites can be added to a variety of existing wall constructions to improve the sound blocking performance of the structure. Choose the right Quiet Barrier® Soundproofing Composite based on the type of noise you are trying to prevent from entering or leaving the space. As a rule, the thicker and heavier the Quiet Barrier® Composite, the better it will be at reducing sound transfer. The thinner Quiet Barrier® Composite products perform well when trying to deter common noises with average decibel levels. The thicker Quiet Barrier® Composite products perform well when trying to deter common noises with high decibel levels. In essence, the louder the sound you are trying to stop, the thicker the product needs to be. Answer the question: “How much sound do you want to stop?” and then choose the product.

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ADDRESS

Soundproofcow
440 Ramsey Avenue
Chambersburg, PA 17201

PHONE

P: 1-866-9499-COW
F: (717) 261-1790

WEB

www.soundproofcow.com



Applications:

Equipment Rooms and Enclosures • Industrial Facilities • Computer / Server Rooms • Generator Enclosures • Compressor Rooms
Air Conditioning Unit Enclosures

Product Availability and Coverage:

Quiet Barrier® HD Soundproofing Composite (2 lbs per sqft barrier layer with 1 inch of acoustic foam):

Thickness:

- 1 1/4 in. (+/- 1/8 in.)

Size Availability and Coverage:

- 48 in. x 96 in. sheet = 32 sqft
- 48 in. x 96 in. sheet with Pressure Sensitive Adhesive (PSA) = 32 sqft
- Custom sizes available, please contact us for details.

Quiet Barrier® MD Soundproofing Composite (1 lbs per sqft barrier layer with 1 inch of acoustic foam):

Thickness:

- 1 1/8 in. (+/- 1/8 in.)

Size Availability and Coverage:

- 48 in. x 96 in. sheet = 32 sqft
- 48 in. x 96 in. sheet with Pressure Sensitive Adhesive (PSA) = 32 sqft
- Custom sizes available, please contact us for details.

Quiet Barrier® LD Soundproofing Composite (1/2 lbs per sqft barrier layer with 1/2 inch of acoustic foam):

Thickness:

- 9/16 in. (+/- 1/8 in.)

Size Availability and Coverage:

- 48 in. x 96 in. sheet = 32 sqft
- 48 in. x 96 in. sheet with Pressure Sensitive Adhesive (PSA) = 32 sqft
- Custom sizes available, please contact us for details.

Warnings and Limitations:

All Polyurethane Foams, including Combustion Modified Foams, will burn. Do not expose to any flame source. Once ignited, they can produce rapid flame spread, intense heat, dense smoke and toxic gases causing death. Warnings should be given to your employees and or customers. Test data does not necessarily reflect a foams performance under actual fire conditions. Before purchasing any foam, be sure to check with your local code officials to confirm the required flammability rating of exposed materials for your area.

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