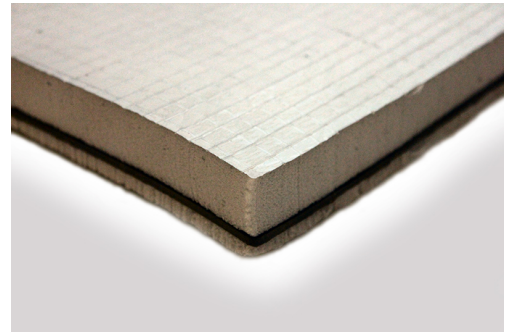


Class A Quiet Barrier® Specialty Composite

Features & Benefits:

- **Triple Soundproofing Function** - The mass of Class A Quiet Barrier® layer blocks sound while its flexible nature dampens sound energy. The thicker of the two layers of acoustic foam acts as a sound absorber decreasing ambient reflected noise. The thinner layer of acoustic foam acts as a decoupler, structurally isolating the heavy barrier layer from the construction assembly, ultimately decreasing vibration and increasing the sound blocking performance.
- **Heat Resistant** - Class A Quiet Barrier® Specialty Composite has a fiber reinforced Mylar® facing that not only reflects high frequencies but also reflects heat back toward the source. Class A Quiet Barrier® Specialty Composite is a Class A fire rated product.
- **Durable** - The Mylar facing provides a cleanable tear resistant surface for applications that may come in contact with oils or grease. Once punctured, the embedded fibers will prevent additional tearing or damage.



General Information:

Class A Quiet Barrier® Specialty Composite is a four layer soundproofing composite used in construction, automotive, heavy machinery and marine industries to reduce noise transfer from structural borne and airborne sources. Class A Quiet Barrier® Specialty Composite was engineered to be in applications where extreme noise is problematic and heat resistance is required. This is our premium barrier and acoustic foam soundproofing composite due to the intricate four layer construction. The first layer is a fiber reinforced Mylar facing that blocks high frequency sound, resists tearing and can be wiped clean. The second layer is a thick acoustic foam that absorbs low, mid and high frequencies. The third layer is our Quiet Barrier® LD product that blocks sound energy. The fourth layer is a thin layer of acoustic foam that suspends the barrier layer away from the mounting surface. This layer structurally isolates the barrier layer, improving the sound blocking capabilities.

How Class A Quiet Barrier® Specialty Composites work:

In essence, Class A Quiet Barrier® Specialty Composite products block the transmission of noise from one area to the next. The sound from the “noise source” hits the Mylar facing and high frequencies are reflected back towards the noise source. Some of the sound is then absorbed by the acoustic foam. The sound that penetrates the acoustic foam layer is then blocked by the decoupled barrier layer and reflected back into the room or space of origin. The difference between the source noise and the transmitted noise is the sound transmission loss.

continued on back of page

ADDRESS

Soundproofcow
440 Ramsey Avenue
Chambersburg, PA 17201

PHONE

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

WEB

www.soundproofcow.com



Applications by Industry:

Construction Industry:

- Equipment Rooms and Enclosures
- Industrial Facilities
- Computer Rooms
- Generator Enclosures
- Compressor Rooms
- HVAC Cabinets
- Air Conditioning Unit Enclosures

Automotive Industry:

- Hood and Trunk Liners

Heavy Equipment Industry:

- Hood and Trunk Liners
- Engine Compartment Liners
- Floor Liners

Marine Industry:

- Engine Compartment Liners
- Hatch Cover Liners
- Hull Liners

Product Availability and Coverage:

1/4 inch of acoustic foam, 1 lbs per sqft barrier layer, 1 inch of acoustic foam with a reinforced Mylar facing:

Thickness:

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

Size Availability and Coverage:

- 48 in. x 48 in. sheet = 16 sqft
- 48 in. x 48 in. sheet with Pressure Sensitive Adhesive (PSA) = 16 sqft
- Custom sizes and configurations available, please contact us for details.

Specifications:

Dimensions	4 ft. x 4 ft.	MVSS 302: Foam Pass
Thickness	1 1/4 in.	ASTM C795: Foam Pass
Weight	18 lbs.	UL-94-5V: Foam Pass
Coverage	16 sqft.	UL-94 V-0: Foam Pass
PSA	Yes	UL-94 H F-1: Foam Pass
Quantity	1 sheet	FAR 25 853 (a-1): Foam Pass
STC Rating	24	FAR 25 853 (a): Foam Pass
NRC Rating	0.65	Tested to Boeing BSS 7239

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