

## QUIET BARRIER® SPECIALTY COMPOSITE

**DESCRIPTION:**

QUIET BARRIER® SPECIALTY COMPOSITE is a industrial grade sound blocking/absorbing composite of 2 layers of polyether foam, a layer of high mass vinyl barrier and a reinforced foil facing. The first 1/2 in. layer of foam acts as a decoupler that dramatically reduces vibration of the vinyl layer, ultimately, making the vinyl layer more effective in stopping the transfer of sound. The next layer of one inch foam acts as a broad range sound absorber. The final layer of reinforced foil acts as a heat reflective surface and provides a easy clean surface that is oil and dirt resistant. QUIET BARRIER® SPECIALTY COMPOSITE is available with a pressure sensitive adhesive for an easy peel and stick application.

**APPLICATIONS:**

Use QUIET BARRIER® SPECIALTY COMPOSITE in any situation where problematic noise occurs. Our product can be installed over a variety of surfaces with either the PSA backing version or our Hanger Pin kits. For a comprehensive explanation on installation instructions, visit our website, [www.soundprooffoam.com](http://www.soundprooffoam.com). Apply our Reinforced Foil Tape for a seamless appearance. Common applications for QUIET BARRIER® SPECIALTY COMPOSITE include; engine compartments, compressor enclosures, utility rooms, electronic enclosures, HVAC enclosures and various marine applications.

**PRODUCT AVAILABILITY:**

- 48" x 54" Sheets
- 48" x 54" Sheets with PSA

**TECHNICAL DATA:**

PROPERTIES (BARRIER)

Physical Property	Value
Color	Silver (facing)
Thickness	1.35 in.
Decoupler	0.5 in. Polyether Urethane Foam
Barrier	1 lb / ft. <sup>2</sup> Urethane
Absorber	0.75 in. Polyether Urethane Foam Faced with Reinforced Alum. Polyester
Temperature Range (Peak Performance)	-29°F to 199°F
Flammability:	
UI 94 HBF (Faced Foam)	Meets
FMVSS 302	Meets

SOUND TRANSMISSION LOSS (BARRIER)

Freq. Hz	125	250	500	1000	2000	4000	STC
Material	19	19	27	34	38	43	24
Mounted*	23	26	26	31	50	62	32

\* The material was mounted to a 16ga. steel panel.

QUIET BARRIER® SPECIALTY COMPOSITE

### NORMAL SOUND ABSORPTION/NOISE REDUCTION (FOAM)

Freq. Hz	125	250	500	1000	2000	4000	NRC
Random Absorption	0.24	0.44	0.93	0.80	0.68	0.72	0.70

### ADHESIVE

Physical Property	Value	Test Standard
Material	Acrylic	n/a
Thickness	Approx. 0.004"	n/a

The information contained herein is typical and based upon the results of controlled laboratory tests. The information is accurate to the best of American Micro Industries, Inc.'s knowledge. Product performance may vary based on the particular application and installation techniques utilized.

