

SOUNDSCREEN™ Wedge Foam

a McGill AirSilence™ Product

Product Bulletin 4246

United McGill® products



Wedge Foam

Wedge Foam Absorbs Noise in Industrial and Commercial Environments

SOUNDSCREEN Wedge Foam is made specifically to absorb reverberant noise in manufacturing plants, offices, and recreational facilities.

The foam's patented wedge shape provides 450 percent more surface area to absorb noise than the flat surface of regular foam. The wedge shape is also a design element; it creates a clean and modern look when installed. The extra surface area and aesthetic appeal of wedge foam make it an ideal noise control solution for public areas. Custom colors are available.

The frequency of noise to be controlled determines how thick the foam should be. Lower frequency noise is controlled best with thicker foam. Refer to the Sound Absorption Coefficient chart to see how 2- and 4-inch-thick foams behave when subjected to various noise frequencies.

Installation is easy. Use a utility knife to cut the foam on its flat side, then attach it to walls or partitions with a fast-tacking contact cement.

Fire Retardant

Our fire-retardant Class 1 wedge foam can withstand constant temperatures up to 302°F and short-term temperatures up to 482°F. It meets tough government fire codes for schools, churches, and laboratories. Like SOUNDSCREEN standard Wedge Foam, our 2- by 4-foot sheets of fire-retardant foam can easily be cut to fit smaller spaces.

A Hypalon® coating may be applied to the foam surface to repel oil, acid, and solvents. The Hypalon coating makes the foam washable.

Our wedge foam is made specifically to absorb reverberant noise in manufacturing plants, offices, and recreational facilities.

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Hypalon® is a registered trademark of DuPont Dow Elastomers L.L.C.

Web Foam Sound Absorption Coefficients

Material	1/3 Octave Band Center Frequency (Hz)						NRC*
	125	250	500	1K	2K	4K	
Standard 2"	0.08	0.25	0.61	0.92	0.95	0.92	0.70
Standard 4"	0.20	0.70	1.06	1.01	1.01	1.00	0.95
Class 1	0.16	0.34	0.81	1.00	0.99	0.97	0.80
Class 1**	0.18	0.65	1.04	0.73	0.68	0.56	0.80

* Noise Reduction Coefficient ** With Hypalon® coating

Physical Properties:

	Standard Foam	Class 1*/Class 1 with Hypalon**
Material	open-cell polyester urethane foam	porous acoustic melamine
Size	2' by 4' sheets	2' by 4' sheets
Thicknesses	2", 3", and 4"	2"
Colors	brown, charcoal, and beige	white*, black**, gray**, white**
Density	2.0 lb/ft ³	0.7 lb/ft ³
Tensile Strength	20 psi	8 psi
Flammability	UL-94HF-1	UL-94V-0
Flame Spread	95	5*/185*
Smoke Density	340	45*/185**

Products depicted in this specification sheet were current at the time of publication. As a quality-conscious manufacturer, McGill AirSilence is continually seeking ways to improve its products to better serve its customers. Therefore, all designs, specifications, and product features are subject to change without notice.

McGill AirSilence LLC

An enterprise of United McGill Corporation — Founded in 1951

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