

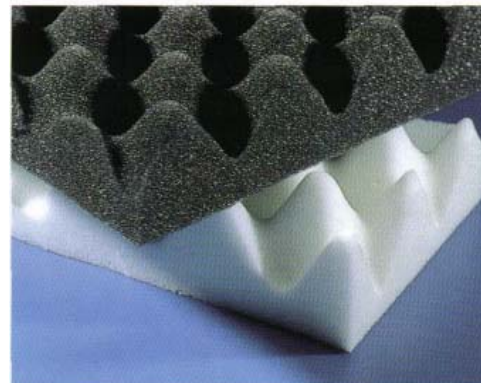
Spec Data Sheet

Polyurethane Sound Absorption

Acousti-Foam acoustical foams are designed to provide maximum absorption of airborne sound with minimum thickness and weight. These flexible polyurethane open cell foam products are manufactured to optimize pore size, air flow resistance, and density.

Sound energy, passing through the cell structure, is converted into minute quantities of low grade heat that is easily dissipated. Since the uniformity of the cells are carefully controlled the efficiency is constant and predictable from one installation to another.

Many applications require these products to be subjected to environments such as dirt, moisture, chemicals, and abrasion that could be hostile to an unprotected foam. IES-2000, Inc. has developed various surface treatments to protect the integrity of the foam from these elements. These facings will increase the absorption properties at certain frequencies as well as provide a cleanable, decorative and durable finish for a wide variety of applications.



Thickness	Frequency						
	125	250	500	1K	2K	4K	NRC
1/2"	.00	.08	.16	.55	.98	.95	.45
3/4"	.01	.11	.38	.92	.93	.86	.60
1"	.06	.19	.74	1.00	.85	.97	.70
1-1/2"	.10	.30	.77	1.04	.99	1.11	.80
ASTM C423-903	Absorption Coefficient						

Acousti-Foams can be purchased in rolls or sheets, and can be die cut, or fabricated to customer specifications. They are easily cut with a knife, saw or scissors. The addition of pressure sensitive adhesive provides a convenient method of fastening to most substrates.

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Optional Facings Available

Aluminized Polyester
Reinforced Aluminized Polyester
Urethane Films (matte or impervious)
Tedlar® (trademark E.I. Dupont Co.)
Perforated Vinyl
Convoluted
Embossed
Customized Facings Available

Pressure Sensitive Adhesive

- Supported SBR (temps to 140°F)
- Unsupported Acrylic (temps to 250°)
- Supported Acrylic (temps to 250°)

INPLANT ENVIRO-SYSTEMS 2000, INC.

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