TECHNICAL DATA SHEET

SOUNDFOAM O

SOUNDCOAT

PRODUCT DESCRIPTION

Soundfoam O is an acoustic quality, open cell, flexible polyester based polyurethane foam. It is based on unique urethane foam formulation to provide a uniform cell structure that resists degradation, high physical properties, excellent sound absorption, good heat, humidity, flame* and chemical resistance.

The sound absorption performance of elastic porous materials is determined mainly by the porosity and air flow resistance (air permeability) of the materials, and Soundfoam O is one member of this class of materials.

**Bare foam only, flammability may vary when used in a composite.*

MARKETS

TYPICAL APPLICATIONS

- Trucks, buses, construction, mining, agriculture, military transport, and emergency vehicles
- Gensets, conveying systems, HVAC, compressed air
- Semiconductors, telecommunications equipment, EV charging stations and battery storage
- Industrial building spaces
- Medical equipment

PHYSICAL PROPERTIES

Material Type	Polyester polyurethane foam
Color	Charcoal gray
Density	2.0±0.2 lb/ft3
Operating Temperature	-43°C (-45°F) to 110°C (230°F)
Tensile Strength	20 PSI Min
Elongation	200%
Compression Set	<10%
Thermal Conductivity	0.25 BTU in./h ft2 °F
Flame Resistance	UL Recognized as UL 94 HF1 with and without Matte Film MVSS-302

PRODUCT CONFIGURATIONS

- Plain
- Embossed
- Protective & decorative surface treatments:
  - Uniseal
  - Matte polyurethane film
  - Metalized Mylar
  - Perforated PVC
  - Tedlar®
  - Nomex®
- Available in custom die-cut parts, sheets, 54" wide rolls, and kits.
- Supplied with one of several high-performance pressure sensitive adhesives in "ready to use" custom die-cut parts.
- Can be combined with barrier and/or damping materials to form multi-functional composites.

THE SOUNDCOAT PROMISE

We have one goal: to enhance the customer experience by providing world-class products manufactured under ISO 9001:2015 and AS9100:2016 standards in one of our modern manufacturing facilities strategically located on each coast.

All materials are tested and qualified in our acoustics and materials testing laboratory to ensure consistent quality and performance.

Soundcoat products are supplied, tested, and produced to your specifications.

HQ | 1 Burt Drive | Deer Park, NY | 11729 | US
Phone: 631.242.2200 | Fax: 631.242.2246

West Coast Operations | 16901 Armstrong Ave | Irvine, CA | 92606 | US
Phone: 949.955.9202 | Fax: 949.222.0834

www.soundcoat.com | sales@soundcoat.com | 1.800.394.8913 | Follow The Soundcoat Company, Inc.

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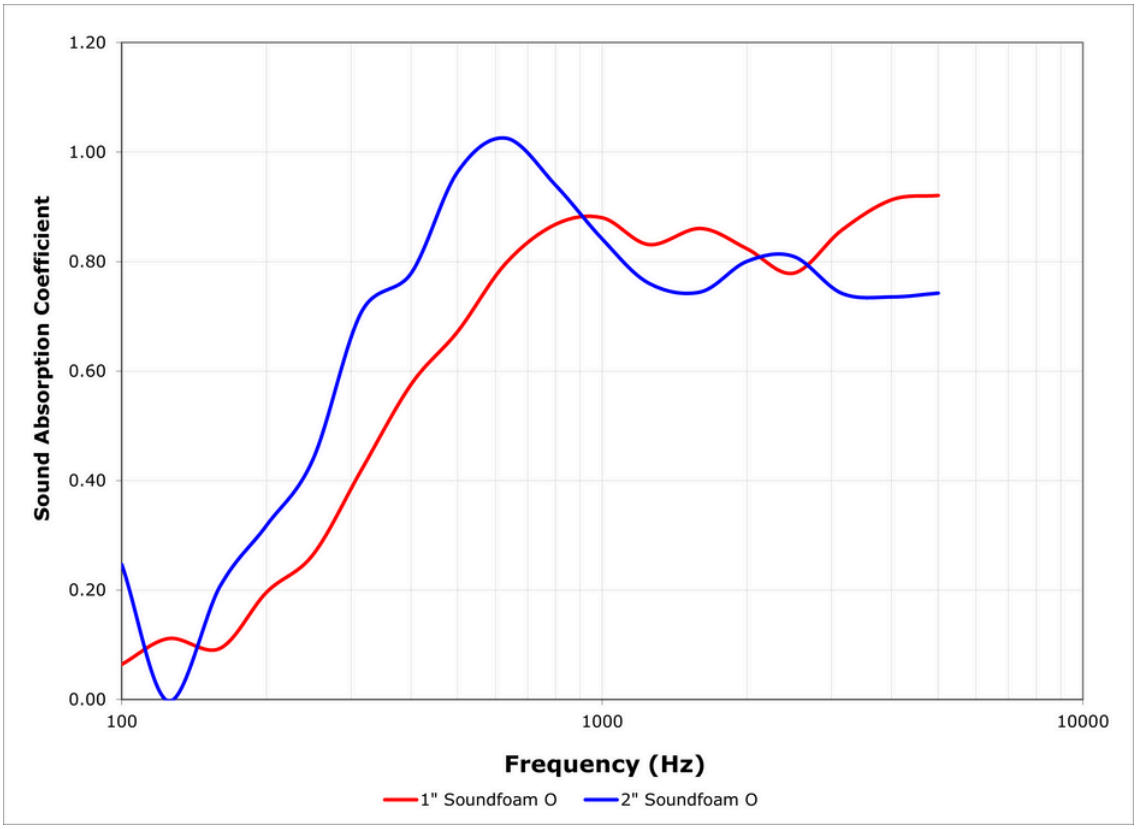
PERFORMANCE



Rev. date 10/2/2025

Visit soundcoat.com to see our complete line of absorption, barrier, damping, sealing, and thermal materials.

For further information on meeting specific requirements and for optimum product configuration, contact our Technical Support Department at 1-800-394-8913.

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