TECHNICAL DATA SHEET
COMPOSITE MATERIAL

SOUNDCOAT

SOUNDFOAM M with MATTE FILM FACING

Complete composite assembly.

PRODUCT DESCRIPTION

Soundfoam M is an acoustic quality, open cell, flexible polyether-based urethane foam. The unique formulation is targeted at both acoustic performance and durability, providing consistent acoustic performance over a wide frequency range. Soundfoam M alone will meet UL 94 HF-1, but the rating may be altered by facing application.

Polyether foams are characterized by excellent hydrolytic stability for moisture and humidity resistance, chemical resistance, and resistance to degradation over their polyester counterparts. Advancements in foam manufacturing have improved the uniformity of the polyether cell structure and consistent sound absorption.

The black urethane matte film is applied by a specialized lamination to the top side of the foam. This unique process keeps the face of the foam micro-porous to maintain a quality acoustic absorption rating, while still resisting the ingress of fluids. The surface treatment improves durability, cleanability, and shifts the acoustic absorption curve to the lower frequencies.

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
- Medical equipment

PRODUCT CONFIGURATIONS

- Custom die-cut parts, sheets, and kits

FOAM PHYSICAL PROPERTIES - SOUNDFOAM M

Material Type	Polyether urethane foam
Color	Charcoal grey
Density	1.8±0.2. lb/ft^3
Operating Temperature	-43°C (-45°F) to 110°C (230°F)
Tensile Strength	14.5 PSI Min
Elongation	200%
Compression Set	<10%
Thermal Conductivity	0.25 BTU in./h ft^2 °F
Flame Resistance	UL Recognized as UL 94 HF1 MVSS-302 FAR 25.853(b)

Soundfoam M

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.

TECHNICAL DATA SHEET

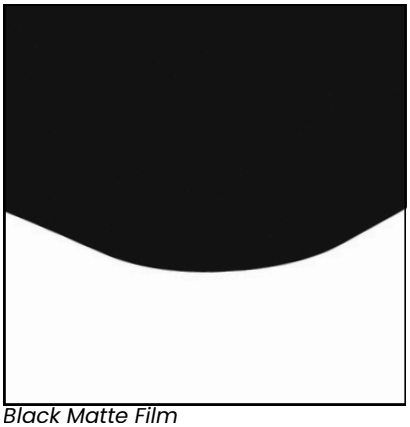
COMPOSITE MATERIAL

SOUNDCOAT

SOUNDFOAM M with MATTE FILM FACING

FACING PHYSICAL PROPERTIES - MATTE FILM

Material Type	Polyurethane
Colors	Black (available in white, grey, bone, & custom colors)
Weight	0.0157 lb/ft^2
Thickness	0.0025" (other thicknesses available)
Operating Temperature	-43°C (-45°F) to 110°C (230°F)
Tensile Strength	9000 PSI
Elongation	375%
Flame Resistance	Application dependent: MVSS-302 on Soundfoam M (and most other foams)



Black Matte Film

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.

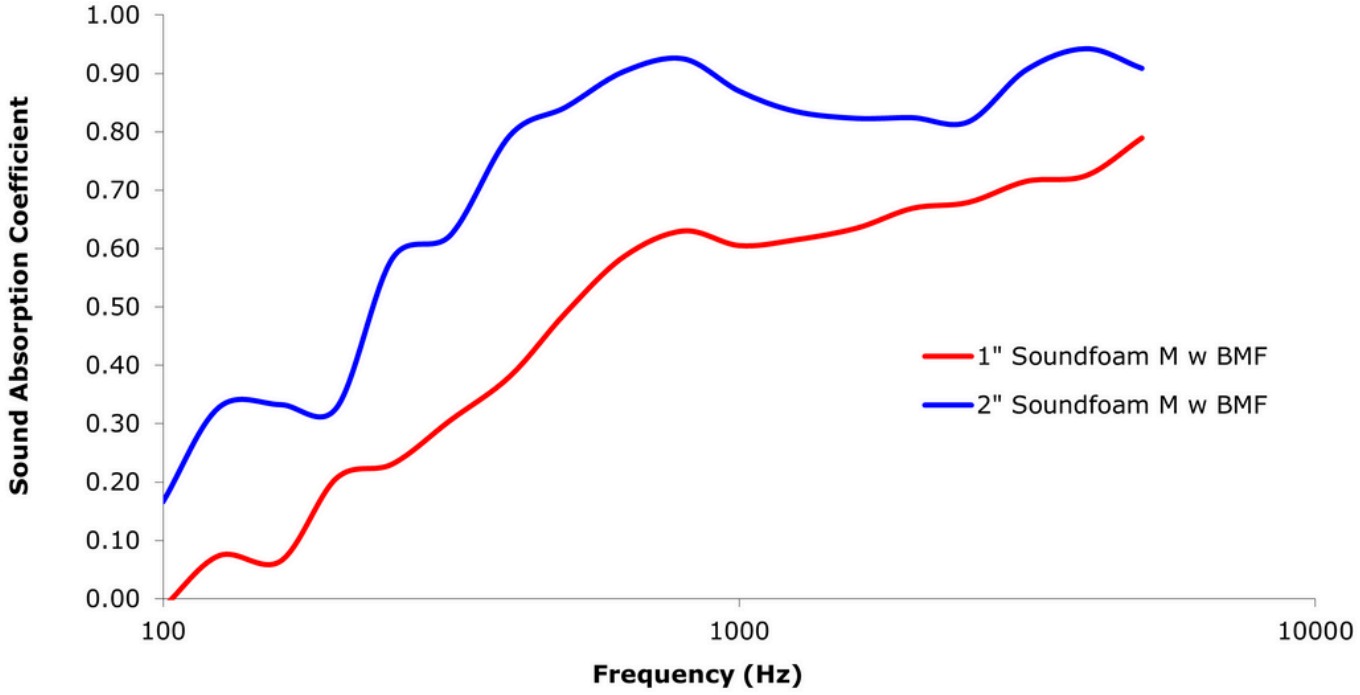
TECHNICAL DATA SHEET

COMPOSITE MATERIAL

SOUNDCOAT

SOUNDFOAM M with MATTE FILM FACING

PERFORMANCE



Rev. date 10/30/2025

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.

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.