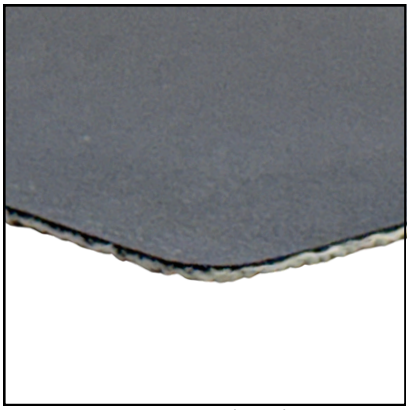
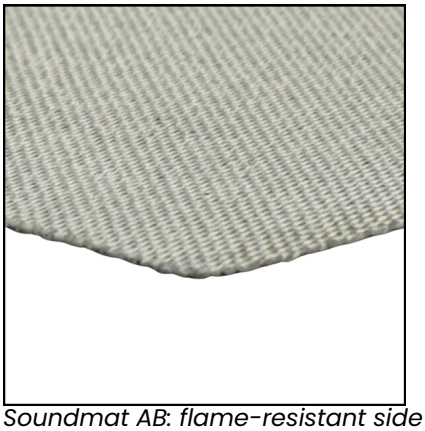
TECHNICAL DATA SHEET

SOUNDMAT AB (20, 30, 40, 60)

SOUNDCOAT



Soundmat AB: barrier side



Soundmat AB: flame-resistant side

MARKETS

TYPICAL APPLICATIONS

- Launch vehicles, satellites, engine power systems, planes, and helicopters

PRODUCT CONFIGURATIONS

- Typically used as a composite with Soundfoam ML HY ULb, and Soundfoam ML HY G+

PRODUCT DESCRIPTION

Soundmat AB is the name of a family of flexible mass-loaded, reinforced sound barrier materials specifically formulated for acoustic and flame-resistance for aerospace applications with improved flexibility. These materials combine noise abatement properties with high temperature flame resistance properties and improved workability during fabrication. Soundmat AB is available in several weights: 20, 30, 40 and 60 ounces per square yard.

PHYSICAL PROPERTIES

	TEST METHOD	20	30	40	60
Weight	FSTM191.5041	20.0 ± 2 oz/yd2	30.0 ± 2 oz/yd2	40.0 ± 2 oz/yd2	60.0 ± 2 oz/yd2
Thickness	FSTM191.5030	0.022 in maximum	0.029 in maximum	0.036 in maximum	0.060 in maximum
Radiant Panel (Face/Back)	FAR 25.856(a)	--- After flame: < 3 seconds Flame propagation: < 2 in	--- After flame: < 3 seconds Flame propagation: < 2 in	--- After flame: < 3 seconds Flame propagation: < 2 in	--- After flame: < 3 seconds Flame propagation: < 2 in
Tensile - Grab (MC/CD)	FSTM191.5100	110 / 100 minimum	110 / 100 minimum	110 / 100 minimum	110 / 100 minimum
Tear - Trap (MD/CD)	ASTM D1117	5 / 5 minimum	5 / 5 minimum	5 / 5 minimum	5 / 5 minimum
Standard Width		48 inches	48 inches	48 inches	48 inches

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

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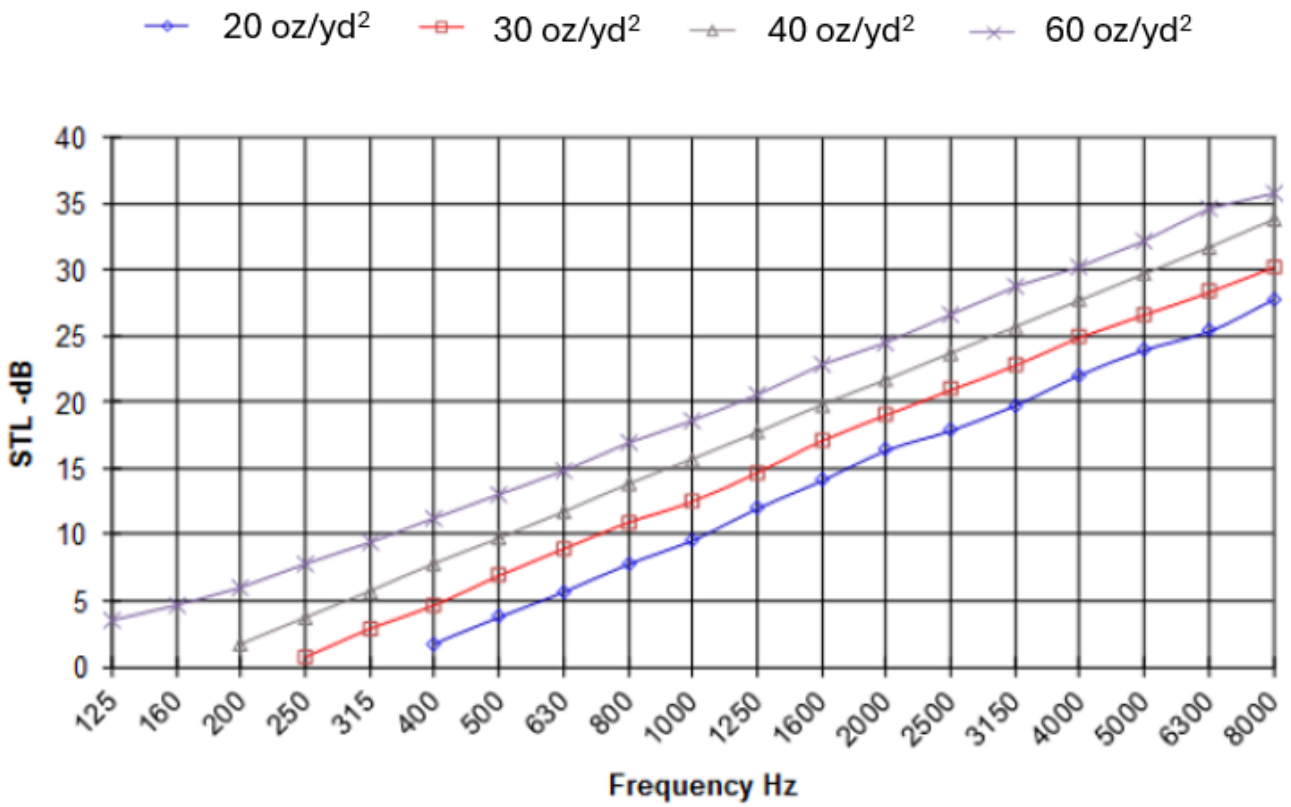
SOUNDMAT AB (20, 30, 40, 60)

SOUNDCOAT

PERFORMANCE

SOUND TRANSMISSION LOSS - ALL



Rev. date 10/28/2025

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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