



### PRODUCT DESCRIPTION

Soundfoam WSP is a lightweight, rigid, flame-retardant polyethylene based acoustic quality foam with outstanding hydrophobic properties. Soundfoam WSP is easy to fabricate and install and does not typically require protective facings. Acoustically, the material has consistent performance regardless of humidity. The flame-retardant qualifications allow the product to be used in highly demanding applications.

### 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

<b>Material Type</b>	Polyethylene foam
<b>Color</b>	Gray
<b>Density</b>	1.56 lb/ft <sup>3</sup>
<b>Operating Temperature</b>	-22° F to 160° F (-5° C to 71° C)
<b>Tensile Strength</b>	13.5 PSI
<b>Tensile Elongation</b>	50%
<b>Thermal Conductivity</b>	.721 Btu in. / ft <sup>2</sup> hr °F
<b>Flame Resistance</b>	ASTM E-84 25/100 UL94 HF1 FMVSS-302
<b>Water Absorption</b>	EN 12088 < 4%
<b>Compression Set</b>	<30%
<b>Shelf Life</b>	>10 Years when stored in a clean, dry area between 50-80F with no exposure to direct sunlight.

### MARKETS



### PRODUCT CONFIGURATIONS

- Die-cut parts, kits, with and without pressure-sensitive adhesive.
- Can be combined with barrier and/or damping materials to form multi-functional composites.
- 1" and 2" thicknesses.
- Available in sheets 48" x 96".

### 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.*



PERFORMANCE

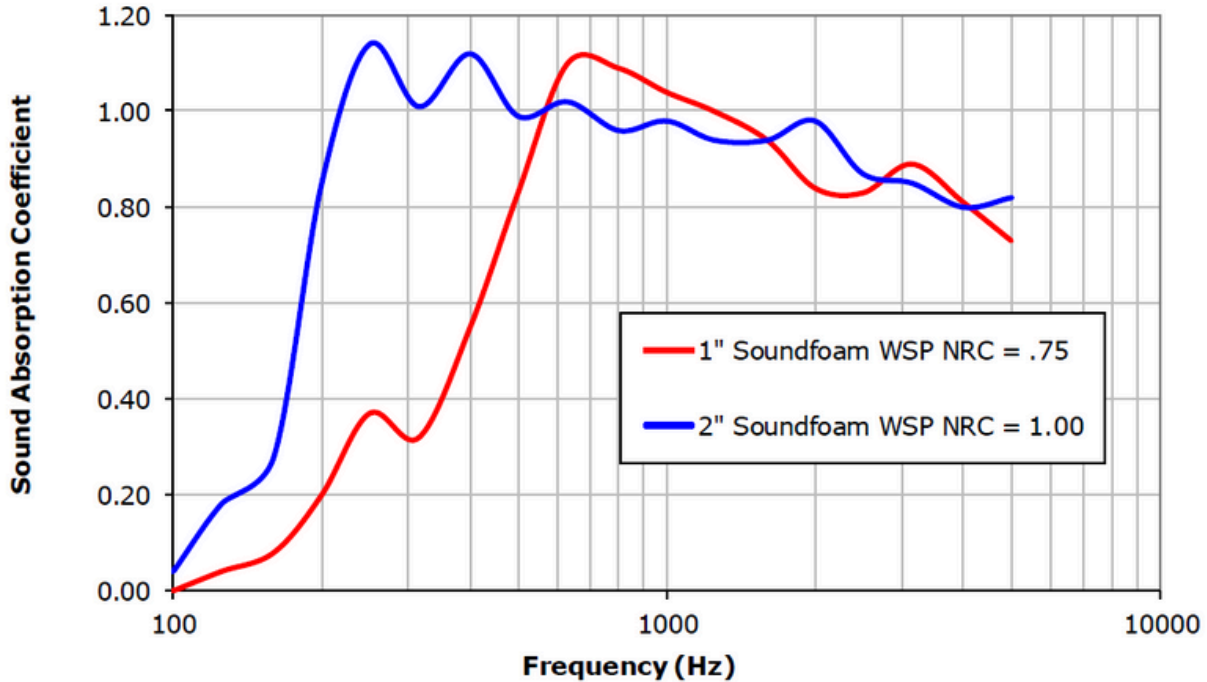


Figure 1 – ASTM C423 Random Incidence Sound Absorption

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Visit [soundcoat.com](http://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.

*The information contained herein is based on laboratory test data developed by or for Soundcoat and is believed to be reliable, but its accuracy or completeness is not guaranteed. The buyer must test this product to determine its suitability for his/her specific application before use. Only use a Soundcoat product after thoroughly consulting instructions on the data sheet for the specific product. SOUNDCOAT DISCLAIMS ANY RESPONSIBILITY FOR 1) WARRANTIES OF FITNESS AND PURPOSE, 2) VERBAL RECOMMENDATIONS, 3) CONSEQUENTIAL DAMAGES FROM USE, AND 4) VIOLATION OF ANY PATENTS OR TRADEMARKS HELD BY OTHERS.*

*Properties subject to change without notice. Check with Soundcoat for latest revisions. Flame, smoke, toxicity performance is not intended to reflect hazards presented by this material under actual fire conditions. The Federal Trade Commission considers that there are no existing test methods or standards regarding flammability that are accurate indicators of the performance of cellular plastic materials under actual fire conditions. Any results of existing test methods are intended for measurements of the relative performance of such materials under specific controlled test conditions.*

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