

### PRODUCT DESCRIPTION

Soundmat PB is a family of flexible mass-loaded vinyl sound barriers. Soundmat PB is available by itself or as a composite with sound absorbing and/or decoupling insulating layers for increased acoustical performance.

Soundmat PB is designed to provide maximum sound transmission loss characteristics and, when added to a Soundfoam O or Soundfoam M absorber, it will reduce the more difficult low frequency spectrum of a noise source or path.

Either by itself or when applied to an existing structure such as metal, plastic or wood, Soundmat PB will provide excellent sound attenuation in a limited amount of space or thickness.

*\* Image shown is a composite of Soundmat PB between two layers of foam.*

### 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

<b>Material Type</b>	Loaded PVC
<b>Color</b>	Black
<b>Density</b>	.5, 1, and 1.5 and 2 lb/ft <sup>2</sup>
<b>Operating Temperature</b>	-40°C (-40°F) to 70°C (158°F)
<b>Tensile Strength</b>	50 PSI Min
<b>Elongation</b>	100%
<b>STC of Septum</b>	1 lb/ft <sup>2</sup> : 27 2 lb/ft <sup>2</sup> : 32
<b>Flame Resistance</b>	FMVSS302 UL94 V0 (PB septum only) FAR 25.853(a) (PB septum only)

### PRODUCT CONFIGURATIONS

- Composite creation via:
  - Soundfoam O
  - Soundfoam M
  - Soundfoam ML G+
- Available in custom die-cut parts, sheets, or rolls
- 1 lb & 1.5 lb are standard
- .5 lb & 2 lb are special order
- Typical use of Soundmat PB is as a composite with Soundfoam material, as shown above.

### 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.*

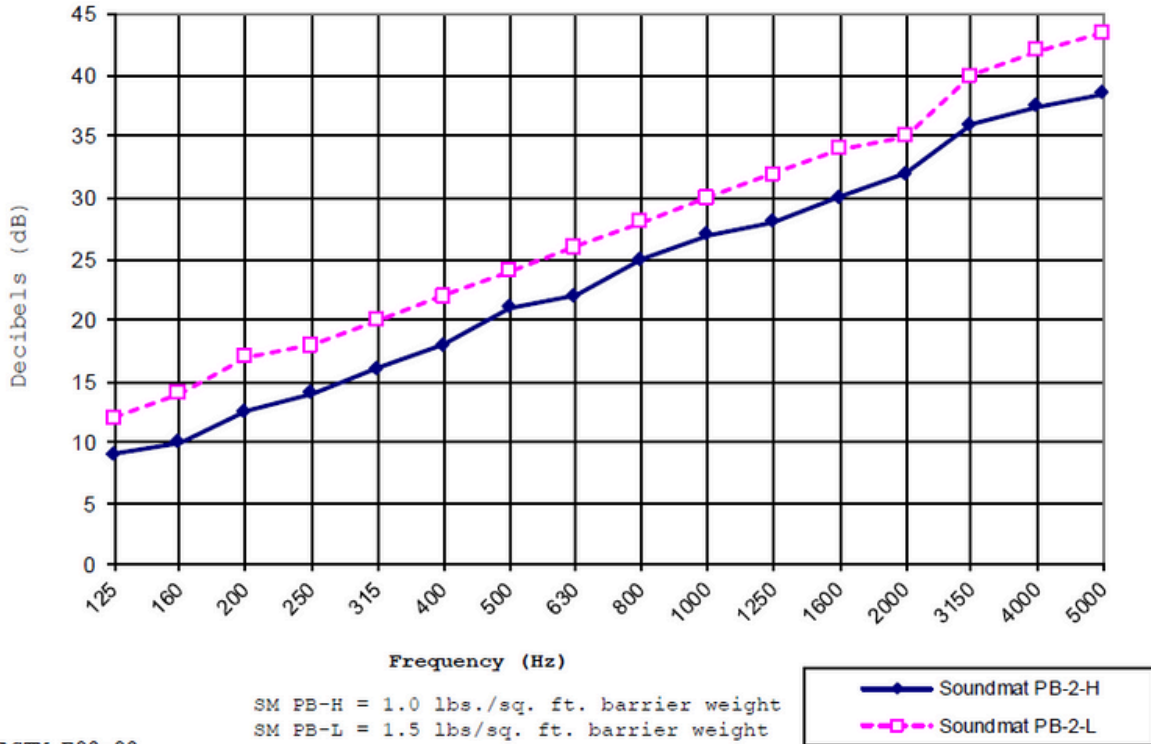
*All materials are tested and qualified in our acoustics and materials testing laboratory to ensure consistent quality and performance.*

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



**PERFORMANCE**

**SOUNDMAT**  
Sound Transmission Loss



ASTM E90-90

Rev. date 8/30/2024

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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