



SOUNDFOIL RT



PRODUCT DESCRIPTION

Soundfoil RT is a constraining layer vibration composite. It consists of an outer constraining layer of thin metal (typically aluminum) and a butyl damping layer. Soundfoil RT dissipates vibration energy in thin gauge metals or structures. It reduces structure borne noise resulting from unwanted vibration, impact, resonance and coincidence problems.

With direct application to a vibrating surface, Soundfoil RT forms a constrained damping composite layer to dissipate vibrational energy in the form of heat. It provides a high loss factor in a wide range of temperatures from 32F-140F (0C-60C).

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

PHYSICAL PROPERTIES

| | |
|------------------------------------|--|
| Polymer Type | Butyl Rubber |
| Structures Available | 5RT60 Standard, Custom Available |
| Polymer Thickness | .060" ± 10% (1.5mm) |
| Aluminum Constraining Layer | .004" ± .001 (.102mm) |
| Protective Liner | Silicone Coated Bleached Kraft Paper |
| Weight | .512 lb/ft ² (2.5 kg/m ²) (5RT65) |
| Operating Temperature | -40-300F (-40-150C) |
| Optimum Damping Temperature | 32F-140F (0C-60C) |

PRODUCT CONFIGURAITONS

- Custom die-cut parts
- 24 in X 48 in sheets

THE SOUNDCOAT PROMISE

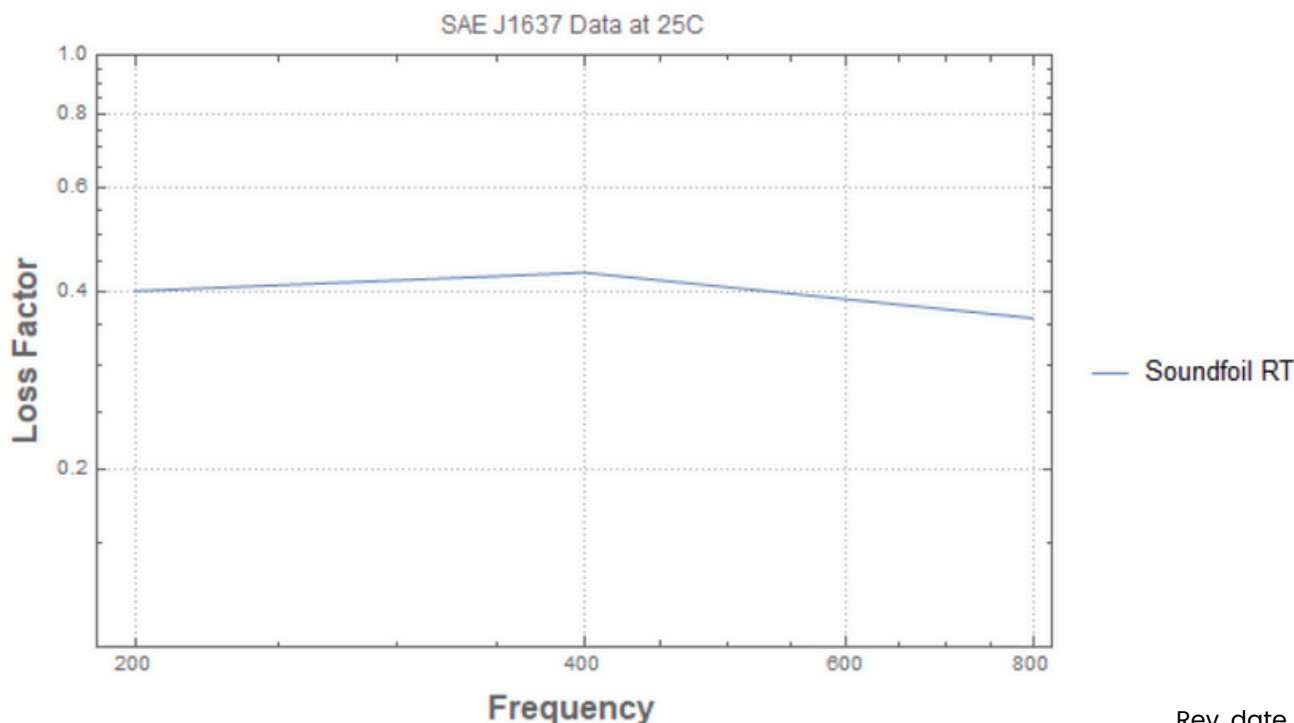
We have one goal: to enhance the customer experience by providing world-class products manufactured under ISO 9001:2015 and AS9100:2016 standards in one of our modern manufacturing facilities strategically located on each coast.

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



Rev. date 8/30/2024

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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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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