

SHEERFILL® Fabrorb I

Fabrorb is an acoustically absorptive membrane that is used as a liner in SHEERFILL® Architectural Membrane systems, as well as in structures built with traditional "hard" materials like glass or brick. Fabrorb serves not only to attenuate sound but also to enhance the thermal characteristics of fabric roof systems.

Fabrorb materials are translucent, non-burning, porous composites based on fiberglass and PTFE.

All SHEERFILL® membranes conform to rigid fire and building codes for permanent structures.

Typical Properties

Property	Value	Test Method
Coated Fabric Weight (oz/yd ²)	14 nominal	ASTM D4851-88
Thickness (in)	0.014 nominal	ASTM D4851-88
Breaking Strength (lb/in) Strain Rate: 2 in/min Warp Fill	375 min. avg. 300 min. avg.	ASTM D4851-88
Breaking Strength (lb/in) After Crease Fold Warp Fill	300 min. avg. 250 min. avg.	ASTM D4851-88
Trapezoidal Tear (lb) Warp Fill	30 min. avg. 20 min. avg.	ASTM D4851-88
Solar Transmission (%)	23 nominal	ASTM E424
Solar Reflectance (%)	70 nominal	ASTM E424
Burning Characteristics Flame Spread Smoke Generation	0 max 0 max	ASTM E84 Tunnel Test
Incombustibility of Substrates	Pass	ASTM E136
Flame Resistance	Pass	NFPA 701, Small Scale
Sound Absorption Octave Band Center Frequency, Hz 250 500 1000 2000 4000 Absorption Coefficient SABINS/ft ² (Nominal) 0.80 0.56 0.70 0.72 0.68	NRC 0.70	ASTM C423
Color	White	-

Values listed are for virgin roll goods only. Appropriate industry safety factors need to be used to account for the in-service effects of handling, weathering, etc. Product specifications are subject to change. Please consult with Saint-Gobain to confirm latest version of this data sheet.

Solar properties are for fully sun-bleached material.

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IMPORTANT: It is the user's responsibility to ensure the suitability, fitness and safety of Saint-Gobain Performance Plastics products for all intended uses and that the components to be used comply with all applicable regulatory requirements. Saint-Gobain Performance Plastics assumes no responsibility or liability for any advice furnished by it or for any product failures that occur due to installation or misuse arising out of the design, fabrication or application of the products into which they are incorporated.

Limited Warranty: Please see the limited warranty available from Saint-Gobain Performance Plastics for details of warranty coverage for the specific SHEERFILL product. If you have questions about the limited warranty, please contact Saint-Gobain Performance Plastics as referenced above.

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