

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 (g/m ²)	ca. 450	DIN 53352
Tensile Strength (N/5cm)		
Warp	3000 avg.	DIN 53354
Fill	2400 avg.	
Trap Tear Strength (N)		
Warp	130 avg.	DIN 53363
Fill	90 avg.	
Translucency at 550 nm (%)	ca. 21	-
Fire Testing	A2-s1-d0	EN 13501
Burning Characteristics		
Flame Spread	0 max	ASTM E84
Smoke Generation	0 max	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	NRC	ASTM C423
Absorption Coefficient	0.70	
SABINS/ft ² (Nominal) 0.80 0.56 0.70 0.72 0.68		
Support Cloth	EC3	DIN 60001
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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