

FABRASORB® I

FABRASORB® I Acoustical Membrane

FABRASORB® is a trademark for a family of acoustically absorptive membranes used as liners in SHEERFILL® architectural membrane systems. A FABRASORB membrane serves not only to attenuate sound but also to enhance the thermal characteristics of fabric roof systems. The performance of FABRASORB materials with respect to permanent building codes is consistent with that of SHEERFILL architectural membranes. FABRASORB products are translucent, non-burning, porous composites based on fiberglass and polytetrafluoroethylene.

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Typical Properties¹

Property	Value	Method
Coated Fabric Weight (oz./yd. ²)	14 nominal	ASTM D4851-88
Thickness (inches)	0.014 nominal	ASTM D4851-88
Breaking Strength (lb./in.) (Strain Rate: 2 in./min.)		ASTM D4851-88
Dry, Warp	375 min. avg.	
Dry, Fill	300 min. avg.	
Breaking Strength After Crease Fold (lb./in.)		ASTM D4851-88
Dry, Warp	300 min. avg.	
Dry, Fill	250 min. avg.	
Trapezoidal Tear (lb.)		ASTM D4851-88
Warp	35 min. avg.	
Fill	25 min. avg.	
Solar Transmission (%)	22 nominal	ASTM E424
Solar Reflectance (%)	71 nominal	ASTM E424
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, SABINS/ft. ² (Nominal) 0.80 0.56 0.70 0.72 0.68	0.70	
Color	White	—
Reinforcement Construction	Warp β150 2/2 Fill β150 2/2	Count W32 x F23

¹Values 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.



Listed
product ID #15803-9



Limited Warranty: For a period of 6 months from the date of first sale, Saint-Gobain Performance Plastics Corporation warrants this product(s) to be free from defects in manufacturing. Our only obligation will be to provide replacement product for any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risks, if any, including the risk of injury, loss or damage, whether direct or consequential, arising out of the use, misuse, or inability to use this product(s). SAINT-GOBAIN PERFORMANCE PLASTICS DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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Valid 01/2013
Supersedes all previous versions.

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AFF-1026-0613-SGCS

