

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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Listed
product ID #15803-9



Typical Properties¹

Property	Value	Method
Coated Fabric Weight (g/m ²) (Ges.)	ca. 475	DIN 53352
Greycloth Weight (g/m ²)	ca. 295	DIN 53854
Yarn W/F	132	DIN 53830
Ends/Picks W/F pro cm	ca. 13/9	DIN 53853
Tensile Strength K/S (N/5 cm)		DIN 53354
Warp	3110 min. avg.	
Fill	2500 min. avg.	
Tear Resistance (Trapez) (N)		DIN 53363
Warp	130 min. avg.	
Fill	95 min. avg.	
Translucency at 550 nm (%)	ca. 22	
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, SABINS/ft. ² (Nominal) 0.80 0.56 0.70 0.72 0.68	0.70	
Support Cloth	EC3	DIN 60001
Color	White	—

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.

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