



# 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.

### Typical Properties<sup>1</sup>

Property	Value	Method
Coated Fabric Weight (oz./yd. <sup>2</sup> )	14 nominal	ASTM D4851-88
Thickness (mils)	14 nominal	ASTM D4851-88
Breaking Strength (lb./in.) (Strain Rate: 2 in./min.) Dry, Warp Dry, Fill	355 min avg 285 min avg	ASTM D4851-88
Breaking Strength After Crease Fold (lb./in.) Dry, Warp Dry, Fill	285 min avg 235 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 (%)	68 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 <sup>2</sup> (Nominal) 0.80 0.56 0.70 0.72 0.68	NRC 0.70	ASTM C423
Color	White	
Reinforcement Construction	Warp β150 2/2, Fill β150 2/2-Count W32 x F23	

<sup>1</sup>- 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.

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