

SHEERFILL® I

SHEERFILL® I Architectural Membrane

SHEERFILL® is the trademark for a family of membranes used in permanent structures. The composite is made of fiberglass and polytetrafluoroethylene (PTFE). SHEERFILL products are available in a range of strengths and light transmission levels, providing the user with a choice of membranes to cover virtually any size structure from a full-sized stadium to a relatively small skylight. All SHEERFILL membranes conform to rigid fire and building codes for permanent buildings.

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Typical Properties¹

Property	Value	Method
Coated Fabric Weight (g/m ²)	ca. 1540	DIN 53352
Greycloth Weight (g/m ²)	ca. 630	DIN 53354
Yarn W/F	400	DIN 53830
Ends/Picks W/F pro cm	ca. 7.1/7.5	DIN 53853
Tensile Strength (N/5 cm)		DIN 53354
Warp	8000 min. avg.	
Fill	7000 min. avg.	
Tear Resistance (N)		DIN 53363
Warp	600 min. avg.	
Fill	600 min. avg.	
Adhesion (N/5 cm)	100 min. avg.	DIN 53357
Translucency at 550 nm (%)	ca. 10	—
Solar Reflectance (%)	73 nominal	ASTM E424
Fire Testing	B-s1-d0	EN 13501
Burning Characteristics		
Flame Spread	5 max	ASTM E84
Smoke Generation	5 max	Tunnel Test
Incombustibility of Substrates	Pass	ASTM E136
Fire Resistance of Roof Coverings		
Spread of Flame and Intermittent Flame	Class A	ASTM E108
Flame Resistance	Pass	NFPA 701, Small Scale
Support Cloth	EC3	DIN 60001
Color	White (after exposure to sunlight)	—

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
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