

## SHEERFILL® I with EverClean®

SHEERFILL Architectural Membrane is the original permanent tensioned membrane. SHEERFILL I was the first developed and remains the product of choice for applications where a very high strength to weight ratio is required to meet the demands of long spans, and high winds or snow loads.

EverClean Photocatalytic Topcoat provides enhanced self-cleaning properties, helping to keep the membrane whiter and brighter while further reducing the already low maintenance requirements of the PTFE coating. In addition, EverClean helps to clean the air through the reduction of SO<sub>x</sub> and NO<sub>x</sub> atmospheric pollutants.

All SHEERFILL membranes conform to rigid fire and building codes for permanent structures.

## Typical Properties

Property	Value	Test Method
<b>Coated Fabric Weight</b> (g/m <sup>2</sup> )	ca. 1540	DIN 53352
<b>Greycloth Weight</b> (g/m <sup>2</sup> )	ca. 630	DIN 53854
<b>Yarn</b> (W/F)	400	DIN 53830
<b>Ends/Picks</b> (W/F pro cm)	ca. 7.1/7.5	DIN 53853
<b>Tensile Strength</b> (N/5cm)		
Warp	8000 min. avg.	DIN 53354
Fill	7000 min. avg.	
<b>Trap Tear Strength</b> (N)		
Warp	600 min. avg.	DIN 53363
Fill	600 min. avg.	
<b>Adhesion</b> (N/5 cm)	100 min. avg.	DIN 53357
<b>Translucency at 550 nm</b> (%)	ca. 10	-
<b>Solar Reflectance</b> (%)	73 nominal	ASTM E424
<b>Fire Testing</b>	B-s1-d0	EN 13501
<b>Burning Characteristics</b>		
Flame Spread	5 max	ASTM E84
Smoke Generation	5 max	Tunnel Test
<b>Incombustibility of Substrates</b>	Pass	ASTM E136
<b>Fire Resistance of Roof Coverings</b>		
Spread of Flame & Intermittent Flame	Class A	ASTM E108
<b>Flame Resistance</b>	Pass	NFPA 701, Small Scale
<b>Support Cloth</b>	EC3	DIN 60001
<b>Color</b>	White (after exposure to sunlight)	-

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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**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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