



OptiLiner™ Banded Liner System Type 1070 Vapor Retarder Fabric

Product Data Sheet

Description

Type 1070 Vapor Retarder Fabric is a premium, low permeance vapor retarder used as the liner in the OptiLiner™ insulation system.

PureFiber® Technology Advances

- Made with natural¹ materials, formaldehyde-free² and soft to the touch
- Uses a minimum of 50% recycled content—30% being post-consumer
- GREENGUARD Children and Schools CertifiedSM and GREENGUARD Indoor Air Quality Certified[®]
- Thickness recovery provides outstanding thermal and acoustical performance

Notes

1. Unfaced insulation made with a minimum of 99% by weight natural materials consisting of minerals and plant-based compounds (not including packaging).
2. Applies to the insulation component only.

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Scientific Certification Systems (SCS) provides independent verification of recycled content in building materials and verifies recycled content claims made by manufacturers. For more information, visit www.sccertified.com.

The GREENGUARD INDOOR AIR QUALITY CERTIFIED Mark is a registered certification mark used under license through the GREENGUARD Environmental Institute.

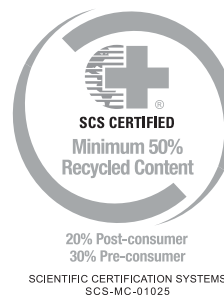
Fabric Specifications

Property	Value
Color	White/grey, other colors available
Weight	4.4 oz/yd. ² (149 g/m ²)
Thickness	Nominal 9 mils (0.22 mm) ASTM D 1777

Performance

Property	Test Method	Value
Classification	ASTM C 1136	Type I – VI*
Tensile Strength (Strip)	ASTM D 5034	Warp 100 lb. 445 N Weft 91 lb. 404 N
Grab Tensile	ASTM D 5034-95	Warp 136 lb. 605 N Weft 129 lb. 574 N
Tear Strength (Tongue)	ASTM D 2261	Warp 50 lb. 222 N Weft 50 lb. 222 N
Burst Strength (Mullen)	ASTM D 3786	245 psi 17,940 Pa
Elevated Temperature and Humidity Resistance	ASTM C 1258	0.02 perms no delamination
Dimensional Stability	ASTM D 1204	Warp -1.0% Weft -2.0%
Thermal Stability	ASTM C 1263	20°F No cracks or delamination 150°F No cracks or delamination
Fungi Resistance	ASTM C 1336	No growth. (ATCC #'s 9642, 6205, 11797, 11730 and 9643)
Moisture Vapor Transmission Rate	ASTM E 96 Method A	0.02 perms
Surface Burning Characteristics (white side exposed)	UL 723 (ASTM E 84)	
Flame Spread		0
Smoke Developed		30
UV Weathering		UV stabilizers added for extra protection
Air Permeance for Building Materials	ASTM D 2178-3	<0.004 CFM/ft. ²

*Exception for dimensional stability (value is <2.0%).



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