

ProLiner™ 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 ProLiner™ Banded Liner System.

Standards & Code Compliance

Type 1070 Vapor Retarder Fabric is considered a Class I vapor retarder based on the ICC International Building Code (IBC).

Fabric Specifications

Property	Value
Color	White/grey, other colors available
Weight	4.4 oz/yd. ² (149 g/m ²)

Performance

Property	Test Method	Value
Thickness	ASTM D1777	Nominal 9 mils (0.22 mm) ASTM
Classification	ASTM C1136	Type V – VI
Tensile Strength (Strip)	ASTM D5035	Warp 105 lb/in 932 N/5 cm Weft 85 lb/in 755 N/5 cm
Grab Tensile Strength	ASTM D5034	Warp 130 lb. 577 N Weft 115 lb. 510 N
Tear Strength (Tongue)	ASTM D2261	Warp 50 lb. 222 N Weft 45 lb. 200 N
Burst Strength (Mullen)	ASTM D3786	235 psi 1619 kPa
Puncture Resistance	ASTM D4833	65 lb 288 N
Light Reflectance Value	ASTM E1477	84
Flame Resistance	NFPA 701 (large scale)	Pass
Elevated Temperature and Humidity Resistance	ASTM C1258	0.02 perms no delamination
Dimensional Stability	ASTM D1204	Warp -1.0% Weft -2.0%
Thermal Stability	ASTM C1263	20°F No cracks or delamination 150°F No cracks or delamination
Fungi Resistance	ASTM C1336	No growth. (ATCC #'s 9642, 6205, 11797, 11730 and 9643)
Water Vapor Permeance	ASTM E96 Method A	0.02 perms
Surface Burning Characteristics (white side exposed)	UL 723 (ASTM E84)	
Flame Spread		0
Smoke Developed		28
Accelerated UV Weathering ¹	ASTM G154	>50% strength retention after 2000 hrs exposure @ .77 W/m ² /nm, or 1200 hrs exposure @ 1.35 W/m ² /nm
Air Permeance for Building Materials	ASTM E2178	<0.004 CFM/ft. ²

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

¹ Q.U.V [A-340 Lamps]: 8 hrs UV @ 60°C; 4 hrs. condensation @ 50°C

Note: The results of the Puncture Resistance (ASTM D4833) is based on limited testing.

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