



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.

Disclaimer of Liability

Technical information contained herein is furnished without charge or obligation and is given and accepted at recipient's sole risk. Because conditions of use may vary and are beyond our control, Therm-All makes no representation about, and is not responsible or liable for the accuracy or reliability of data associated with particular uses of any product described herein.