

LAMTEC[®]

Corporation

[Home](#) | [About Us](#) | [Directio](#)
[Vapor Retarder](#) | [Product Selection Guide](#) | [Product Specs](#) | [Architectural Spe](#)

Metal Buildings
Duct Wrap
Duct Board
Pipe
Wood Roof Assemblies



Building

Duct Wrap

Duct Board

[Product Specifications](#)

ARENASHIELD

FOIL / FIBERGLASS-POLYESTER BLEND FABRIC

Contents: [\[Facing Composition\]](#) [\[Physical Properties\]](#) [\[Fire Testing\]](#)
([click for PDF format](#))

FACING COMPOSITION	DESCRIPTION	VALUES (ENGLISH)	VALUES (METRIC)
Foil	Aluminum	0.0003 inch	7.6 micron
Adhesive	Flame Resistant		
Fabric	Fiberglass/Polyester Blend	75 lbs / 3000 ft ²	122 gm / m ²

PHYSICAL PROPERTIES	TEST METHOD	VALUES (ENGLISH)	VALUES (METRIC)
Basis Weight	Scale	40 lbs / 1000 ft ²	195 gm / m ²
Permeance (WVTR)	ASTM E96 Procedure A	0.02 perm (grains/hr-ft ² -in Hg)	1.15 ng / m ² -s
Bursting Strength	ASTM D774	250 psi	17.6 kg / cm ²
Puncture Resistance	ASTM C1136	550 beach units	16.4 Joule
Tensile Strength	ASTM C1136	195 lbs/inch width(MD) 150 lbs/inch width(XD)	34.1 kn / m 26.3 kn / m
Caliper / Thickness	Micrometer	0.006 inch	152 micron
Accelerated Aging	30 Days @ 95% RH, 120°F (49°C)	No Corrosion No Delamination	No Corrosion No Delamination
Low Temperature Resistance	ASTM D1790 -40°F (-40°C)	Remains Flexible No Delamination	Remains Flexible No Delamination
High Temperature Resistance	4 hours @ 240°F (116°C)	Remains Flexible No Delamination	Remains Flexible No Delamination
Water Immersion	24 hours @ 73°F (23°C)	No Delamination	No Delamination
Mold Resistance	ASTM C665 / C1338	No Growth	No Growth
Dimensional Stability	ASTM D1204	0.25%	0.25%

Emissivity	ASTM E408	0.03	0.03
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FIRE TESTING	UL 723 / ASTM E84		CAN ULC-S102M	
	Flame Spread	Smoke Developed	Flame Spread	Smoke Developed
Foil Exposed	5	5	5	5
Fabric Exposed	5	5	5	5

Physical Properties based upon statistical averages, Weight / Thickness +/- 10%

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