

DESCRIPTION

50TL is a flame retardant vapor barrier facing consisting of aluminum foil, fiberglass reinforcing yarn and natural kraft paper laminated together with a flame retardant adhesive.

APPLICATION

This product is typically used as a facing for duct wrap and duct board.

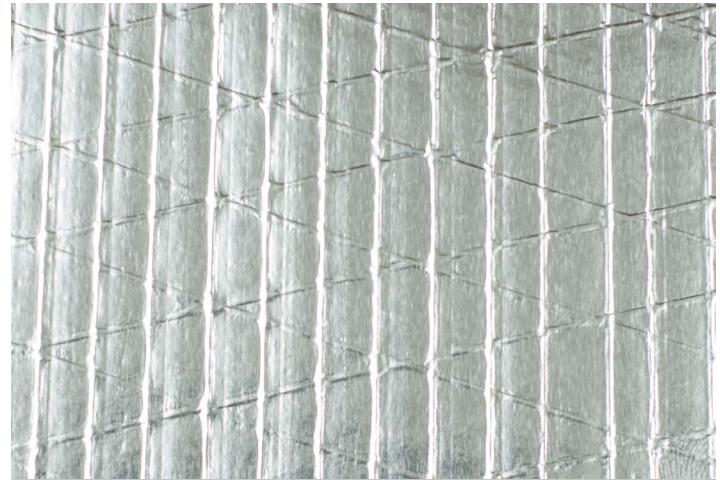
CONSTRUCTION

Basis Weight	28.1 lbs/MSF (137.1 g/m ²)
Aluminum Foil	0.0005 inches ± 10% (13 microns)
Fiberglass Reinforcing Yarn	MD: 4/inch (16/100mm) XD: 4/inch (16/100mm)
Natural Kraft Paper	30 lbs/3000 ft ² ± 10% (49 g/m ²)
Adhesive	Flame Retardant

FLAMMABILITY

ASTM E84¹	Flame Spread ≤25 Smoke ≤50
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1. Test results reflect using 50TL with the foil facing outwards (foil exposed).



SPECIFICATIONS

Properties	Test Method	
Flexible, Low Permeance, Vapor Retarders	ASTM C1136	Meets
Permeance (MVTR)	ASTM E96	0.02 max perms
Tensile Strength	ASTM D828	MD 45 lbs/in (7.9 N/mm) XD 30 lbs/in (5.3 N/mm)
Mullen Burst	ASTM D774	55 psi (380 kPa)
Mold and Mildew Resistance	ASTM D2020	None
Fungi Resistance	ASTM C1336	Pass
Elevated Temperature and Humidity Resistance	ASTM C1258	No Corrosion No Delamination
Thermal Integrity	ASTM C1263	Pass
Dimensional Stability	ASTM D1204	0.50% max
Adhesion	1 hour water @ 70°F (21°C)	Pass



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Technical specifications as shown in this literature are intended to be used as general guidelines only. Please refer to the Safety Data Sheet and product label prior to using this product. The physical and chemical properties of the product listed herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Any references to numerical flame spread or smoke developed ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions. Check with the Regional Sales Office nearest you for current information.

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