

DESCRIPTION

35RC 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 fiberglass duct wrap.

CONSTRUCTION

Basis Weight	20lbs/MSF (98 g/m ²)
Aluminum Foil	0.0003 inches ± 10% (8 microns)
Fiberglass Reinforcing Yarn	MD: 2/inch (8/100mm) XD: 3/inch (12/100mm)
Natural Kraft Paper	30 lbs/3000 ft ² ± 10% (49 g/m ²)
Adhesive	Flame Retardant

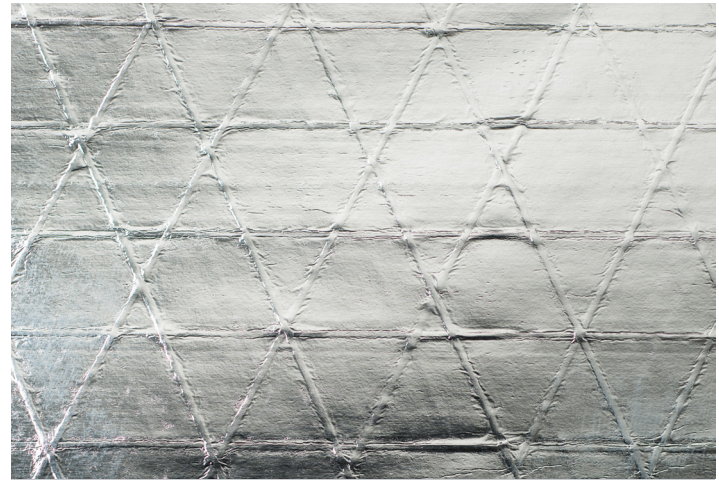
FLAMMABILITY

ASTM E84¹

Flame Spread ≤25
Smoke Developed ≤50

1. Test results reflect using 35RC with the foil facing outwards (foil exposed).

* This product is a "Recognized Component" for inclusion in a U.L. compliant finished product. Fire test results are for finished product incorporating Hamilton's 35RC FSK facing, fiber glass insulation, and appropriate flame retardant adhesive. The results obtained by any particular end user will depend on the other components which are used in combination with the facing..



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 30 lbs/in avg (5.3 N/mm) XD 20 lbs/in avg (3.5 N/mm)
Mullen Burst	ASTM D774	35 psi (240 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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