

## DESCRIPTION

GL-VR is a flame retardant vapor barrier facing consisting of polypropylene film, fiberglass reinforcing yarn and natural kraft paper laminated together with a flame retardant adhesive.

## APPLICATION

This product is typically used as a facing for metal building insulation

## CONSTRUCTION

Basis Weight	19 lbs/MSF (93 g/m <sup>2</sup> )
Polypropylene Film	0.00125" (32 microns)
Fiberglass Reinforcing Yarn	MD: 4/inch (16/100mm) XD: 3/inch (12/100mm)
Natural Kraft Paper	15 lbs/3000 ft <sup>2</sup> (24 g/m <sup>2</sup> )
Adhesive	Flame Retardant

## FLAMMABILITY

### ASTM E84<sup>1</sup>

Flame Spread  $\leq 25$   
Smoke  $\leq 50$

1. Test results reflect using GL-VR with the foil facing outwards (foil exposed).



## SPECIFICATIONS

Properties	Test Method	
Flexible, Low Permeance, Vapor Retarders	ASTM C1136	Meets
Permeance (MVTR)	ASTM E96	0.09 max perms
Tensile Strength	ASTM D828	MD 30 lbs/in (5.3 N/mm) XD 20 lbs/in (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
Temperature Integrity	ASTM C1263	Pass
Dimensional Stability	ASTM D1204	0.50% max
Adhesion	1 hour water @ 70°F (21°C)	Pass



**Hamilton Technologies**  
7400 Ranco Rd.  
Richmond, VA 23228  
804-261-7400

717 17th St.  
Denver, CO 80202  
(800) 654-3103  
JM.com

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.

**All Johns Manville products are sold subject to Johns Manville's standard Terms and Conditions, which includes a Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville standard Terms and Conditions or for information on other Johns Manville thermal insulation and systems, visit [www.jm.com/terms-conditions](http://www.jm.com/terms-conditions) or call (800) 654-3103.**