



- JM PVC Fleece Backed – Colors**
- 50 mil**    **60 mil**    **80 mil**
- 60 mil MIN**    **72 mil MIN**    **80 mil MIN**

### Description

A flexible, thermoplastic membrane manufactured using UV-resistant polyvinyl chloride and Elvaloy® KEE (ketone ethylene ester) formulation. JM PVC membranes are reinforced with a nonwicking polyester fabric and Aramid fiber-reinforced edge.

The fleece back is made with a lightweight polyester that is applied in-line ensuring a strong membrane-to-fleece bond.

MIN products offer a tighter thickness tolerance and will be manufactured no less than the thickness listed.

### Use

Waterproofing membrane in new, re-roof (tear-off) and re-cover roof constructions. Install over approved cover boards and insulations, when required. Fleece-backed PVC systems can be applied with hot asphalt as well as with cold adhesives.

Due to the nonwicking scrim, edge sealant is not a requirement for cut edges.

### Colors

Grey, Sandstone, Copper Brown, Patina Green, Dark Blue, Evergreen and Charcoal

Grey	Dark Blue
Sandstone	Evergreen
Copper Brown	Charcoal
Patina Green	

### Standard Sizes for Membranes – Colors

#### For 50 mil, 60 mil and 60 mil MIN thicknesses:

6.33' x 90' (1.93 m x 27.43 m)

12' x 90' (3.66 m x 27.43 m)

#### For 72 mil MIN, 80 mil and 80 mil MIN thicknesses:

6.33' x 75' (1.93 m x 22.86 m)

12' x 75' (3.66 m x 22.86 m)

Grey and Sandstone are standard colors and do not require a minimum order but may require extended lead times up to six weeks.

All other colors may be ordered in any sheet size or thickness but are special order and may require the following minimums and lead times:

- Nonstandard colors in 12' sheets require 1,000 square minimum and six week lead time
- Nonstandard colors in 6.33' sheets require 500 square minimum and a four week lead time

**Refer to the Material Safety Data Sheet (MSDS) prior to using PVC membranes. Material Safety Data Sheet is available by calling (800) 922-5922 or on the Web at [www.jm.com/roofing](http://www.jm.com/roofing).**

### Environment

<b>Recycled Content</b>	Postconsumer: 0%   Postindustrial: 0%-10% Producing Locations: Pawtucket, RI and Lancaster, SC
-------------------------	---

### Applicable Standards

JM PVC mechanically fastened and fully adhered roof systems are classified by Underwriters Laboratories Inc., Underwriters Laboratories of Canada, FM Global, Miami-Dade and Florida Building Code. JM membranes also meet the material requirements of International Building Code.

### JM Peak Advantage Guarantees

Product Thickness	Terms
50 mil – standard and fleece backed	5, 10 or 15 yr NDL
60 mil, 60 mil MIN, 72 mil MIN, 80 mil and 80 mil MIN	5, 10, 15, or 20 yr NDL

Guarantee terms are for mechanically fastened and fully adhered systems.

### Precautions

Do not use hot asphalt application with 12' fleece backed sheets.



- JM PVC Fleece Backed – Colors**
- 50 mil**    **60 mil**    **80 mil**
- 60 mil MIN**    **72 mil MIN**    **80 mil MIN**

Membranes meet or exceed all of the requirements of ASTM D 4434, Type III.

**Tested Physical Properties\***

JM PVC Fleece Backed Membranes	ASTM Test Method	ASTM Requirements	50 Mil Fleece Back	60 Mil Fleece Back	80 Mil Fleece Back
Thickness, min, in. (mm)	D751	+/- 10% from Nominal	0.073 (1.85)	0.088 (2.24)	0.103 (2.61)
Thickness Over Scrim, min, in. (mm)	D4434	0.016 (0.40)	0.02 (0.51)	0.03 (0.76)	0.03 (0.76)
Breaking Strength, min, lb/in (kN/m)	D751	200 (35)	436 (76.3)	457 (80.0)	511 (89.4)
Elongation at Break, min, %	D751	15	40	33	42
Seam Strength, min, % of breaking strength	D751	75	100	90	93
Properties after Heat Aging, min	D751/D3045				
Breaking Strength, %		90	93	90	92
Elongation, %		90	95	92	94
Tear Resistance, min, lbf/in. (N)	D751	45 (200)	175 (778)	86.3 (384)	84.6 (376)
Low Temperature Bend, °F, (°C)	D2136	Pass	Pass @ -40, (-40)	Pass @ -40 (-40)	Pass @ -40 (-40)
Accelerated Weathering	G53				
Cracking (@7x magnification)		None	No Cracking	No Cracking	No Cracking
Crazing (@7x Magnification)		None	No Crazing	No Crazing	No Crazing
Linear Dimensional Change, max, %	D1204	0.5	0.3	0.1	0.2
Change in Weight After Immersion in Water, max, %	D570 modified	3.0	0.41	0.41	0.41
Static Puncture Resistance, lbf (kg)	D5602	Pass @ 33 (15)	Pass	Pass	Pass
Dynamic Puncture Resistance, J	D5635	Pass @ 20	Pass	Pass	Pass

Note: Data not available for 60 mil MIN, 72 mil MIN or 80 mil MIN.  
 \*Tested Values - 78" Width (Magill Laboratories, Inc. - 12/9/2005)

Refer to the Material Safety Data Sheet (MSDS) prior to using PVC membranes. Material Safety Data Sheet is available by calling (800) 922-5922 or on the Web at [www.jm.com/roofing](http://www.jm.com/roofing).