



JM PVC SD™ – 60 mil

Description

JM PVC SD (Standard) is a flexible, thermoplastic membrane manufactured using UV-resistant polyvinyl chloride. JM PVC SD membranes are reinforced with a low-wicking polyester fabric.

The white membranes provide exceptional reflectivity and emissivity for energy savings.

Use

Waterproofing membrane in new, re-roof (tear-off) and re-cover roof constructions. Install over approved cover boards and insulations, when required.

Due to the low-wicking scrim, edge sealant is not a requirement for cut edges.

Mixed-membrane jobs – JM PVC SD and JM PVC (KEE) – will not be eligible for a JM Peak Advantage Guarantee. JM does not recommend mixing the membranes on the same project.

Installation

Install JM PVC SD products in accordance with the current published JM PVC Applicator Guide, detail drawings and application specifications.

Colors

White

Standard Sizes

5' x 100' (1.52 m x 30.48 m)

10' x 100' (3.05 m x 30.48 m)

Environment

Reflectivity	Initial	3-Year Aged
White	0.87	0.76
Emissivity	Initial	3-Year Aged
White	0.87	0.84
SRI	Initial	
White	110	
Recycled Content		
Preconsumer: 5% Producing Locations: Hillside, NJ		

Note: Solar reflectance tested for Title 24 by CRRC in accordance with ASTM test methods C 1549, E 1918 or E 903. Thermal emittance is measured in accordance with ASTM C 1371. For aged ratings, product samples are exposed for three years at the CRRC Approved Test Farm.

Codes and Approvals

JM PVC SD mechanically fastened and fully adhered roof system are FM approved and classified by UL® (Underwriters Laboratories Inc.).

JM Peak Advantage Guarantee and Terms

Subject to the terms of the JM Peak Advantage Guarantee. Can be eligible for 5, 10, 15 or 20 year NDL for mechanically fastened and fully adhered systems.

Precautions

Do not allow non-fleece membranes to come in direct contact with asphalt, coal tar pitch or any petroleum-based product.

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



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

Tested Physical Properties

JM PVC SD Membranes	ASTM Test Method	ASTM Requirements	60 mil
Thickness, min, in. (mm)	D 751	+/- 10% from Nominal	0.055 (1.39)
Thickness Over Scrim, min, in. (mm)	D 6878 Annex A1	0.016 (0.40)	0.017 (0.43)
Breaking Strength, min, lb/in (kN/m)	D 751	200 (35)	384
Elongation at Break, min, %	D 751	15	26
Seam Strength, min, % of breaking strength	D 751	75	102
Properties after Heat Aging, min	D 751/D 3045		
Breaking Strength, %		90	100
Elongation, %		90	120
Tear Resistance, min, lbf/in. (N)	D 751	45 (200)	46 (204)
Low Temperature Bend, °F, (°C)	D 2136	Pass	Pass
Accelerated Weathering	G 154		
Cracking (@7x magnification)		None	None
Crazing (@7x Magnification)		None	None
Linear Dimensional Change, max, %	D 1204	0.5	0.1
Change in Weight After Immersion in Water, max, %	D 570 modified	3.0	0.80
Static Puncture Resistance, lbf (kg)	D 5602	Pass @ 33 (15)	Pass
Dynamic Puncture Resistance, J	D 5635	Pass @ 20	Pass

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