



# EXHIBIT B

# JM PVC WATER BASED MEMBRANE ADHESIVE

## Features and Components

- Use:** For adhering JM PVC membranes to approved substrates. *Limited availability from October 1st to April 15th. See Bulletin for additional information.*
- Type:** One-part, water based membrane adhesive.
- Substrates:** Compatible with approved insulations and cover boards, and concrete decks.
- Colors:** Bright blue when wet, and dark green when ready to adhere. See Installation/Application for a visual guide to colors.



SIGNED CONTRACT

Component  
**AD**  
Adhesive

Type  
**M**  
Membrane  
Single Ply

## System Compatibility This product may be used as a component in the following systems. Please reference product application for specific installation methods and information.

Multi-Ply	BUR	APP	SBS
	KA	CA	HW

Compatible with the selected multi-ply systems above

Single Ply	TPD	PVC	EPDM
	MF	AD	SA

Compatible with the selected Single Ply systems above

Key: HA = Hot Applied CA = Cold Applied HW = Heat Weldable SA = Self Adhered MF = Mechanically Fastened IW = Induction Weld BA = Ballasted AD = Adhered

## Energy and the Environment

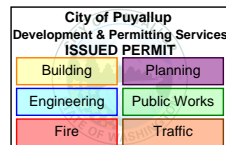
VOC Content	<10 g/l (Calculated)
This product may be used in jurisdictions limiting VOC (volatile organic compounds) content of single ply roofing adhesive to no greater than 250 g/l.	

## Physical Properties

Property	JM PVC Water Based Membrane Adhesive
Weight per Unit (approx.)	8.26 lb/gal (0.990 kg/l)
Specific Gravity	0.99

## Precautions

Adhesive contains ingredients which could be harmful if mishandled. Contact with skin and eyes should be avoided, and the recommended personal protective equipment should be worn.



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 Safety Data Sheet is available by calling (800) 922-5922 or on the web at [www.jm.com/roofing](http://www.jm.com/roofing). 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. Check with the regional sales representative 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 roofing products and systems, visit [www.jm.com/terms-conditions](http://www.jm.com/terms-conditions).

## Installation/Application



- Apply when the ambient and substrate temperature will be above 40° F (4° C) and rising for 48 hours.
- This is a 2-sided adhesive when applied in a vertical application. When used in a horizontal application with smooth-backed or fleece-backed membrane apply one-sided. When using one-sided application apply to substrate only.
- Refer to the application instructions guidelines for proper utilization of this adhesive.

## Packaging and Coverage

Container Size	5 gal (18.9 l) pail
Shipping Weight (approx.)	46 lb (20.9 kg)
Coverage Rate* (One Sided)**	140-220 ft <sup>2</sup> /gal (3.44-5.40 m <sup>2</sup> /l)
Coverage Rate* (Two Sided)***	140 ft <sup>2</sup> /gal (3.44 m <sup>2</sup> /l)

\* Coverage, open and dry time rates can vary dramatically depending on the particular substrate and environmental conditions. Coverage rates stated herein are approximate only. If FM Global® or UL® approval is required, consult specific RoofNav™ or the UL Certifications Directory for specific application rates.

\*\* For one-sided application, full adhesive is applied to the substrate.

\*\*\* For two-sided application, half of the adhesive is applied to the substrate and half of the adhesive is applied to the membrane.

## Storage

Shelf Life	12 months from manufacture date
Storage Conditions	Clean, dry, indoor environment in an unopened container
Temperature Range	60°F – 80°F (15°C – 27°C) - Protect from freezing

## Exposure Window

Johns Manville recommends immediate and complete use upon opening. Use open containers within 48 hours of opening. Replace lid on can when not in use. Adhesive that has changed color or viscosity is no longer usable.

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