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**addendum**

## **Santa Cruz Valley Unified School District Roof Replacements**

Calabasas School: SFB 120235130-9999-012 BRG  
Coatimundi Middle School: SFB 120235110-9999-014 BRG  
Mountain View Elementary School: SFB 120235120-9999-013 BRG  
Rio Rico High School: SFB 120235200-9999-011 BRG

### **Addendum No. 2**

12-28-2020

The following items modify or clarify the contract documents for the above projects. In the event of conflict, all information herein shall take precedence over the drawings and specifications.

**1. All Campuses: Specifications Section 075216 – Paragraph D:**

Substitute section 075216 – Paragraph D, Asphalt Heating with the attached Johns Manville Cold Application Adhesive or equivalent.

This change is necessary due to the complications with hot applications. Warranty remains at 20-years.

**2. Coatimundi Middle School: Drawing A2.2 – Note 8 “Paint Roof Ladder”**

Change to replace roof ladder per detail A3.1/10

**3. All Campuses: Drawing Note “Raise ductwork to facilitate coping cap replacement”**

Change to replace all ductwork on all new curbs being installed.

**4. All Campuses: Drawings – Note “Roof Hatch”**

Change to remove and replace all roof hatches to match existing.

A handwritten signature in black ink that reads "Jenifer Weskalnies".

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Jenifer Weskalnies  
Director of Architecture



# MBR<sup>®</sup> Cold Application Adhesive

Meets the requirements of ASTM D 3019, Type III, Grade 2.

## Features and Components

- Use:** For adhering roofing plies, modified bitumen membranes and for aggregate surfacings. It can be used as a direct substitute for asphalt in all JM modified bitumen roof membrane specifications.
- Type:** One-part, elastomeric cold application membrane adhesive.
- Color:** Black
- Features:** Cures to form a durable, elastomeric and watertight film. Cold process – does not have to be heated. Ready for use as shipped.

Component



Type



Multi-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			
	HA	CA	HW*	HA	CA	HW*	SA	MF

*Used to adhere Membranes in the selected multi-ply systems above*

Single Ply	TPO			PVC			EPDM		
	MF	AD	SA	IW	MF	AD	IW	MF	AD

*Do not use in single ply systems*

**Key:** HA = Hot Applied CA = Cold Applied HW = Heat Weldable SA = Self Adhered MF = Mechanically Fastened IW = Induction Weld BA = Ballasted AD = Adhered  
 \* Compatible with all modified bitumen and built-up roofing membrane sheets that do not incorporate a polyolefin burn-off film.

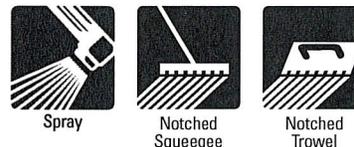
## Energy and the Environment

Maximum VOC	211 g/l (EPA Method 24)
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## Codes and Approvals



## Installation/Application



- Apply when ambient temperature is between 35° and 100°F (2° and 38° C)
- Please refer to detailed installation instructions on next page
- Consistency @ 77°F (25°C) - Spray Grade

## Packaging and Coverage

Container Sizes, gal (l)	4.7 (17.8) pail	53 (200.6) drum	340 (1287) tote
Shipping Weight (approx.)	10 lb/gal (1.2 kg/l)		
Containers per Pallet	42	4	NA
Pallet Weight, lb (kg)	2,016 (914.4)	2,300 (1,043.3)	4,000 (1,814.4)
Coverage Rate*	50 to 70 ft <sup>2</sup> /gal (1.23 to 1.72 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<sup>®</sup> or UL<sup>®</sup> approval is required, consult specific RoofNav<sup>SM</sup> or the UL Certifications Directory for specific application rates.

## Storage

Shelf Life	12 months from manufacture date
Storage Conditions	Clean, dry, indoor environment in an unopened container
Temperature Range	60°F to 80°F (16°C to 27°C) - Protect from freezing

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).



# MBR<sup>®</sup> Cold Application Adhesive

## Installation/Application Instructions

Apply when ambient temperature is between 35° and 100° F (2° and 38° C)

For squeegee and trowel-applied application, material must be kept at a minimum 60°F (16°C) prior to application.

For spray application, material must be heated to a minimum of 95°F (35°C). The product may become difficult to work with if not kept warm.

For best results, apply to surfaces that are clean, dry and free of loose materials. Prime masonry surfaces with JM Asphalt Primer. Allow the primer to dry thoroughly before applying the adhesive.

MBR Cold Application Adhesive can be installed with a notched, 1/4" (6 mm) serrated squeegee or trowel, as well as spray equipment. Average coverage\* per ply is 50 to 70 ft<sup>2</sup>/gal (1.23 to 1.72 m<sup>2</sup>/l).

It can be used as a direct substitute for asphalt in all JM modified bitumen roof membrane specifications. However, we recommend that only fully coated, nonporous felts, such as JM GlasBase™ Plus, DynaBase®, DynaPly®, TRICOR™ S, BICOR™ S and JM APP Base Sheet be used as ply and base sheets in cold process systems. Ventsulation® Felt is also acceptable as a base felt. DO NOT USE GlasPly® IV, GlasPly® Premier or any APP product with a burn-off film in these systems.

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## Preferred Spray Equipment Specifications

Pressure	4,000 psi (27.6 MPa)
Gallons per Minute (gpm)	5 (18.9 liters/minute)
Spray Tip Size	0.051" - 0.061" (1.3 - 1.5 mm) 0.055" (1.4 mm) Most Common
Material Temperature	95°F - 105°F (35°C - 41°C)
Max Heat Temperature	120°F (49°C)*
Length of Hose	400" (121.9 m)
Size of Hose	3/4" (19 mm) Inside Diameter
Last 15'- 20" (4.6 - 6.1 m) of Hose	1/2" (13 mm) Inside Diameter

\*Do not expose material to flame or spark.

These specifications are based on 400' (121.9 m) of hose and may change if the material has to be pumped longer or shorter distances than 400' (121.9 m). These specifications are also based on usage of Premium Cold Application Adhesive and BUR Adhesive.

## Clean-Up and Disposal

Tools and equipment can be cleaned with mineral spirits.

## Precautions

*Johns Manville MBR Cold Application Adhesive is a combustible material and should be shipped and stored away from open flames, heat or sources of ignition. Keep all pails tightly sealed while in storage. It should be used only in well-ventilated areas. It may cause eye, skin and respiratory irritation, and is harmful or fatal if swallowed. Avoid contact with skin. Use impervious clothing and rubber gloves to avoid prolonged or repeated contact with skin. Read the container label and follow all safety instructions.*