

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

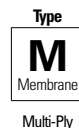
## Features and Components

**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.



**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 | CA  | HW* | HA  | CA | HW* | SA |
| <i>Used to adhere Membranes in the selected Multi-Ply systems above</i> |     |    |     |     |     |    |     |    |

| Single Ply                              | TPO |    | PVC |    | EPDM |    |    |
|---|-----|----|-----|----|------|----|----|
|   | MF  | FA | MF  | FA | MF   | FA | BA |
| <i>Do not use in Single Ply systems</i> |     |    |     |    |      |    |    |

**Key:** HA = Hot Applied CA = Cold Applied HW = Heat Weldable SA = Self Adhered MF = Mechanically Fastened FA = Fully Adhered BA = Ballasted

\* 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 | 178 g/l (EPA Method 24) |
|-------------|-------------------------|

## Physical Properties

| Property                  | MBR Cold Application Adhesive |
|---------------------------|-------------------------------|
| Weight                    | 9.8 lb/gal (1.17 kg/l)        |
| Consistency @ 77°F (25°C) | Spray Grade                   |

## Codes and Approvals



## Installation/Application



- Apply between 40° and 100° F (4° and 38° C)
- Please refer to detailed installation instructions on next page

## Packaging and Coverage

| Container Sizes, gal (l)  | 5 (18.9) pail  | 55 (208.2) drum | 350 (1,324.8) 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® or UL® 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     |

## Installation/Application Instructions

Apply between 40° and 100° F (4° and 38° C)

When the temperature is below 50°F (10°C), the adhesive must be stored in a warm area, approximately 70°F (21°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.

\* 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<sup>SM</sup> or the UL Certifications Directory for specific application rates.

## 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)<br><i>0.055" (1.4 mm) Most Common</i> |
| 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.*