

## Features and Components

**Use:** Self-contained two-part, low-rise foam adhesive for bonding fleece-backed singly ply membranes, insulation and cover boards.

**Type:** Available in two canister sizes.

**Standard size** – up to 35 SQ of coverage (see coverage chart below). Ideal for larger jobs.

**Small Kit** – up to 10 SQ of coverage. Ideal for small jobs, service and repair work. Packaged in a single box for convenience.

**Substrates:** Compatible with the following: insulations, cover boards, and substrates: fleece-backed TPO, fleece-backed PVC, polyisocyanurate; HD wood fiber; perlite; Protector HD® Roof Board; gypsum; concrete; treated plywood; cementitious wood fiber plank; base sheets; gypsum; and some existing smooth-surfaced asphalt (*per inspection*).

**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 |
| <i>Used to adhere insulation in all multi-ply systems</i> |     |    |     |    |     |    |    |    |



Standard Size



Small Kit

|                         |             |
|-------------------------|-------------|
| <b>AD</b>               | Adhesive    |
| <b>M</b>                | Membrane    |
| <b>Type</b>             |             |
| <b>I</b>                | Insulation  |
| <b>B</b>                | Cover Board |
| Multi-Ply<br>Single Ply |             |

**Color:** Pink.

| Single Ply  | TPO |    |    |    | PVC |    |    | EPDM |    |    |
|---|-----|----|----|----|-----|----|----|------|----|----|
|   | MF  | AD | SA | IW | MF  | AD | IW | MF   | AD | BA |
| <i>Used to adhere insulation in all single ply systems*</i> |     |    |    |    |     |    |    |      |    |    |

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

\*May also be used to adhere fleece-backed TPO and PVC Membranes to insulation and cover boards.

## Energy and the Environment

|             |  |
|-------------|--|
| Maximum VOC | 11 g/l as applied after mixing (EPA method 24) |
|-------------|--|

## Physical Properties

| Property |                                 | ASTM Test Method | JM Two-Part UIA                   |
|----------|---------------------------------|------------------|-----------------------------------|
| Weight   | Weight (liquid components)      | Part 1           | 10.32 lb/gal (1.2 kg/l)           |
|          |                                 | Part 2           | 8.54 lb/gal (1.0 kg/l)            |
|          | Viscosity (liquid components)   | Part 1           | 300 cps                           |
|          |                                 | Part 2           | 280 cps                           |
| Strength | Density - Free Rise             | D-1622           | 3.2 lb/cf (0.05 g/cm)             |
|          | Compressive Strength - Parallel | D-1621           | 38 psi (0.26 MPa) @ 6% deflection |
|          | Tensile Strength                | D-1623           | 35 psi (0.26 MPa)                 |
|          | Water Absorption                | D-2843           | 5.1%                              |
|          | Closed Cell Content             | D-2856           | 90% (min)                         |

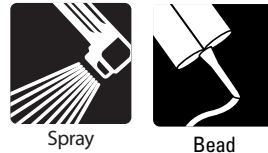
## Codes and Approvals



## Storage

|                    |  |
|--------------------|--|
| Shelf Life         | 16 months from manufacture date  |
| Storage Conditions | Clean, dry, well-ventilated indoor environment in an unopened container                              |
| Temperature Range  | 60°F to 90°F (16°C to 32°C) - Minimum application temperature is 70°F (21°C). Protect from freezing. |

## Installation/Application



- Apply at ambient temperature of 40°F (4°C) and rising.
- Adhesive must be 70°F (21°C) before application.
- Ambient temperature must remain at 40°F (4°C) or higher for a minimum of 24 hours after applying or the adhesive may not cure properly.

## Packaging and Coverage

| Container Type            | Canister   | Small Canister Kit  |
|---------------------------|--|---|
| Items per Box             | 25 ft hose<br>Gun Assembly<br>4 Mixing Tips<br>3 - 17" Extension Tubes   | 10ft hose<br>Gun Assembly<br>4 Mixing Tips<br>3 - 17" Extension Tubes   |
| Shipping Weight (approx.) | Part 1 = 48 lbs (22 kg)<br>Part 2 = 38 lbs (17 kg)   | Small Canister Kit = 39 lbs (18 kg)   |
| Cases/Boxes per Pallet    | 32 cans (16 sets)  | 36 kits   |
| Coverage Rate*            | <b>For Board Installation only:</b><br>12" OC Beads: 3500 ft <sup>2</sup> (325 m <sup>2</sup> )<br>6" OC Beads: 2100 ft <sup>2</sup> (163 m <sup>2</sup> )<br>4" OC Beads: 1400 ft <sup>2</sup> (109 m <sup>2</sup> )<br><b>For Membrane Installation Only:</b><br>Spatter Pattern: 2400 ft <sup>2</sup> (223 m <sup>2</sup> ) | <b>For Board Installation only:</b><br>12" OC Beads: 1000 ft <sup>2</sup> (93 m <sup>2</sup> )<br>6" OC Beads: 600 ft <sup>2</sup> (46 m <sup>2</sup> )<br>4" OC Beads: 400 ft <sup>2</sup> (31 m <sup>2</sup> )<br><b>For Membrane Installation Only:</b><br>Spatter Pattern: 700 ft <sup>2</sup> (64 m <sup>2</sup> ) |

\* 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.

## Features

- Fully self-contained, no equipment to buy or maintain.
- Fast start-up and shut down with stop and start capability (including a trigger-lock for the dispenser)
- Empty canisters are easy to dispose.
- Standard Size Canisters up to 35 squares per set for insulation attachment (20% more coverage than competitive solutions), depending on the weather conditions and insulation type.
- Standard Size Canisters up to 24 squares per set for splatter attachment (nearly 3X the coverage of competitive solutions) depending on the weather conditions and membrane type.
- Small Canister Kits are highly portable and come with a 10-ft. (3 m) hose and gun assembly, they can provide up to 10 squares per set depending on the roofing assembly.
- Dynamically foamed material means faster install times and minimal ballast required for boards
- Wide application window with installation temperatures ranging from 40°F to 100°F (4°C to 38°C).
- Each set comes with a disposable 25-foot (8 m) hose and gun assembly, for a wide reach radius on the roof.
- Very low odor and ultra-low VOC levels.

## Installation/Application Instructions

JM Two-Part UIA Canister is dispensed in a foamed bead or spatter pattern that quickly rises 25 mm above the substrate. The insulation board or membrane is placed into the adhesive and walked into place. Weigh the board stock down with readily available load on the rooftop; example pails of bonding adhesive, screw/plate buckets or other sources of weight (minimum 32 lbs) that will not damage the roof insulation. The adhesive cures completely in approximately 3 to 6 minutes after application, depending on temperature and weather conditions. Note: Material must be placed into the adhesive while it is still wet (before it reaches its tack-free state).

Ensure all insulation boards are 4' x 4' (1.22 m x 1.22 m) or smaller. Ensure all surfaces are dry and free of any debris, dirt, oil and grease before using JM Two-Part UIA Canister.

- Adhesive must be 70°F (21°C) before application. This normally requires 36+ hours at room temperature.

### Partially used canisters:

- Turn the valves into their OFF position.
- Do not drain the chemical from the hoses.
- Slide the safety on the applicator gun into the LOCKED position.
- Remove the old nozzle, but do not throw away. Clean off the end of the gun to ensure the chemical exits are not obstructed. Apply fresh lubricant to the black rubber O-ring. Reattach the old nozzle, which, clogged with adhesive, will keep air and moisture out of the lines.
- Remaining contents must be dispensed within 30 days of the date of initial use.
- After every 7 days without use, dispense a small amount of chemical to prevent crystallization from occurring in the hoses
- Please refer to JM Two-Part UIA Canister Operating Instructions for more information.

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.

## Clean-Up and Disposal

- During product disposal, wear recommended eye and skin protection. Maintain proper ventilation.
- Empty tanks completely of any remaining material.
- Add oil absorbent to waste components. Dispose of waste in an approved landfill.
- Turn empty canister upside down and open valve completely to relieve the canister of pressure.
- Once pressure is completely evacuated, locate and punch out the button on the shoulder of the canister using a non-ferrous punch.
- Dispose of contents/container to an approved facility in accordance with local, regional, national, and international regulations.
- DO NOT INCINERATE CANISTERS.

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).