

## Features and Components

**Use:** For bonding insulation board products to approved roofing substrates, and insulation to insulation.

**Type:** Two-part, cold application insulation adhesive.

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

**Color:** Amber

**Features:** No primers or catalysts are required for application. No ballasting of boards required. May be used in single ply and bituminous systems.

Component



Type



Multi-Ply  
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			
	HA	CA	CA	HW	HA	CA	HW	SA
<i>Used to adhere Insulation in all Multi-Ply systems</i>								

Single Ply	TPO		PVC		EPDM		
	MA	FA	MA	FA	MA	FA	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 FA = Fully Adhered BA = Ballasted

## Energy and the Environment

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



## Installation/Application



- Cartridges,** Two grades available, applied at temperatures between: Winter grade: 0°F to 65°F (-18°C to 18.3°C) Regular grade: 40°F (4°C) and above
- Boxes,** One grade available, applied at temperatures of: Regular grade: 40°F (4°C) and above
- Adhesive must be 72°F (22°C) before using in a pace cart.
- Please refer to detailed installation instructions on next page.

## Packaging and Coverage

Container Type	Case	Box
Items per Case/Box	4 - cartridges/case with 6 mixing tips	2 - boxes (parts)/box 5 gal (18.9 l) each
Shipping Weight ( <i>approx.</i> )	19 lb (8.6 kg)	Part 1 = 52 lb (23.6 kg) Part 2 = 43 lb (19.5 kg)
Cases/Boxes per Pallet	40	32
Coverage Rate*	400 ft <sup>2</sup> to 600 ft <sup>2</sup> (37.16 m <sup>2</sup> to 55.74 m <sup>2</sup> ) per case	1000 ft <sup>2</sup> to 2000 ft <sup>2</sup> (92.9 m <sup>2</sup> to 185.8 m <sup>2</sup> ) per set

\* 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	18 months from manufacture date
Storage Conditions	Clean, dry, well-ventilated indoor environment in an unopened container
Temperature Range	45°F to 95°F (7°C to 35°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).

## Installation/Application Instructions

JM Two-Part UIA is dispensed in a semi-liquid bead that rises  $\frac{3}{4}$ " to 1" (19 mm to 25 mm) above the substrate. Beads are typically 12" (305 mm) on center. Within two minutes, the insulation board is placed into the adhesive and walked into place. The adhesive cures completely in approximately 4 to 8 minutes after application, depending on temperature and weather conditions. Note: Board stock 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.

## Typical Application Rates

Insulation to:	sqs/gal pace cart	sqs/box of 4 cartridges
Concrete	1.7 to 2	6
Insulation	1.7 to 2	6
Smooth BUR	1.5 to 1.7	5
Mod Bit	1.5 to 1.7	5
Gypsum	1 to 1.2	4
Lightweight Concrete	1 to 1.7	4
Wood	1.7 to 2	6
Tectum	1 to 1.2	4
Steel	1 to 1.2	4

## Clean-Up and Disposal

### Disposal

Neutralize and dispose of spilled material, unused contents and empty containers in accordance with local, state and federal regulations.

### Environmental Hazard

PMDI in Part 1 component may cause pollution. Do not discharge into lakes, streams, ponds or public waters. For guidance, contact your regional office of the U.S. Environmental Protection Agency.

### Precautions

**First Aid** – In case of contact with eyes, immediately flush eyes with running water for at least 15 minutes. Call a physician immediately. In case of contact with skin, wash affected area with soap and water. Remove all contaminated clothing and shoes. Wash clothing before reuse and discard contaminated shoes. If swallowed, drink large amounts of water to dilute. If vomiting occurs, drink more water and call a physician immediately.

**Environmental Hazard** – PMDI in Part 1 component may cause pollution. Do not discharge into lakes, streams, ponds or public waters. For guidance, contact your regional office of the U.S. Environmental Protection Agency.

**Disposal** – Neutralize and dispose of spilled material, unused contents and empty containers in accordance with local, state and federal regulations.

**Safety** – Wear proper clothing and safety equipment.