



JM Roofing Systems Urethane Adhesive (RSUA) Installation Instructions

General Application Instructions

All applications must be approved by Johns Manville.

All surfaces must be clean, smooth, dry, compatible and free of dirt, debris, oil/grease and gravel. All fasteners, if required, must be properly seated and plates flush, leaving an acceptable surface to receive adhesive.

JM RSUA Packaged in 1,500 ml Cartridges

Remove the molded cap at the top of the cartridge and attach the supplied static-mixing nozzle to the threaded mixing head. Place the cartridge into the appropriate JM RSUA applicator.

JM RSUA Packaged in 5-Gallon Bladder

Remove bladder from box. Remove the white disc closure from the top of the packaging and extend quick-connect spouts in both Part 1 and Part 2 boxes. Invert bladder and place in appropriate tray on the Garlock Cyclone (or similar). **Box labeled "Part 1" must be in area of tray labeled "Part 1" and box labeled "Part 2" in area labeled "Part 2."**

- Connect the black Part 1 fitting to the black inlet hose fitting
- Connect the gray Part 2 fitting to the gray inlet hose fitting
- Operate pump according to manufacturer's instructions
- On a scrap piece of material, dispense a small amount of RSUA. Let rise to ensure equipment and adhesive are on-ratio

For Membrane Application

Unroll the membrane and allow it to relax at least 15 minutes before applying adhesive; longer time may be necessary in colder weather. Position the membrane with a 2" (5.08 cm) overlap between sheets. Fold membrane back one-half of the length of the first sheet's length to expose its bottom side.

For Board and Membrane Application

Apply JM RSUA directly to the substrate and allow it to begin to rise and build body before placing fleece-backed membrane or board stock into the adhesive.

- Membrane attachment requires the membrane be rolled with a 150lb roller to ensure positive contact between membrane, adhesive and substrate. 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.
- Board stock attachment requires the board stock to be walked in to ensure positive contact between the board stock, adhesive and substrate.
- Do not allow the adhesive to skin over. Eliminate uneven surfaces to ensure positive contact between the insulation board/membrane and substrate.

Typical Lock-Down/Tack-Free Times

Ambient Temperature	Lock Down/Tack Free Time
40°F	9-10 minutes
60°F	6-7 minutes
80°F	4-5 minutes
100°F	3-4 minutes

Unused material can be applied at a later date by simply plugging the cartridges (with provided caps) and using a new static mixing nozzle. When using the box packaging, properly clean dispensing wand and pump unit according to the pump manufacturer's recommendation.

Refer to the Material Safety Data Sheet and product label prior to using this product.



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Coverage — Fleece-Backed Membranes

Bead spacing: 12" o.c. • Applied bead size: ¾" min.

Packaging	Typical Coverage Rates		
	per package*	ft ² /gal	gal/100 ft ² *
Cartridge	300 ft ² /case	189	0.5
5 gal	2,000 ft ² /set**	200	
15 gal drum	6,000 ft ² /set**		
50 gal drum	20,000 ft ² /set**		

Coverage — Fleece-Backed Membranes

Bead spacing: 6" o.c. • Applied bead size: ¾" min.

Packaging	Typical Coverage Rates		
	per package*	ft ² /gal	gal/100 ft ² *
Cartridge	150 ft ² /case	94	1.1
5 gal	1,000 ft ² /set**	100	1.0
15 gal drum	3,000 ft ² /set**		
50 gal drum	10,000 ft ² /set**		

Coverage — Fleece-Backed Membranes

Bead spacing: 4" o.c. • Applied bead size: ¾" min.

Packaging	Typical Coverage Rates		
	per package*	ft ² /gal	gal/100 ft ² *
Cartridge	100 ft ² /case	63	1.59
5 gal	667 ft ² /set**	67	1.49
15 gal drum	2,000 ft ² /set**		
50 gal drum	6,667 ft ² /set**		

Coverage — Board Stock

Bead spacing: 12" o.c. • Applied bead size: ½" - ¾" min.

Packaging	Typical Coverage Rates		
	per package*	ft ² /gal	gal/100 ft ² *
Cartridge	300-400 ft ² /case	189-252	0.4-0.5
5 gal	2,000-2,500 ft ² /set**	200-250	
15 gal drum	6,000-7,500 ft ² /set**		
50 gal drum	20,000-25,000 ft ² /set**		

Coverage — Board Stock

Bead spacing: 6" o.c. • Applied bead size: ½" - ¾" min.

Packaging	Typical Coverage Rates		
	per package*	ft ² /gal	gal/100 ft ² *
Cartridge	150-200 ft ² /case	94-126	0.8-1.1
5 gal	1,000-1,250 ft ² /set**	100-125	0.8-1.0
15 gal drum	3,000-3,750 ft ² /set**		
50 gal drum	10,000-12,500 ft ² /set**		

Coverage — Board Stock

Bead spacing: 4" o.c. • Applied bead size: ½" - ¾" min.

Packaging	Typical Coverage Rates		
	per package*	ft ² /gal	gal/100 ft ² *
Cartridge	100-133 ft ² /case	63-84	1.19-1.59
5 gal	667-833 ft ² /set**	67-83	1.2-1.49
15 gal drum	2,000-2,500 ft ² /set**		
50 gal drum	6,667-8,333 ft ² /set**		

*Coverage rates are approximate and may vary based on substrate type and application. Approved substrates include structural concrete decks, JM Vapor Barrier SA, ENRGY 3, RetroPlus, DuraBoard, Invinsa, Securock, DensDeck, DensDeck Prime, smooth modified asphalt membranes and granulated asphalt membranes. Please contact JM Technical Services for other approved substrates.
** A set is defined as an equal Part 1 and Part 2.

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