



MBR® Cold Application Adhesive

Description

MBR Cold Application Adhesive is a specially formulated, modified asphalt adhesive designed for use with all JM modified bitumen membranes. When cured, it forms a durable, elastomeric and watertight film. Unlike most other modified bitumen, cold process adhesives, this product will not damage the modified bitumen blend in the SBS, APP and PAO sheets. The MBR Cold Application Adhesive formulation contains very low levels of petroleum spirits, which make it compatible with all of our modified bitumen and built-up roofing products. It cannot be used with modified bitumen sheets that have a polyolefin burn-off film.

Use

JM MBR Cold Application Adhesive is for use in 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. 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. For best results, make certain the surface to which the adhesive will be applied is clean, dry and free of loose material. All masonry surfaces must be primed with JM Concrete Primer. The primer must be allowed to dry thoroughly before application of the adhesive.



Advantages

- Compatible with all modified bitumen and built-up roofing membranes.
- Cures to form a durable, elastomeric and watertight film.
- Cold process—does not have to be heated.
- Ready for use as shipped.
- Meets ASTM 3019 Type III, Grade 2.

Typical Physical Properties

MBR Cold Application Adhesive is ready for use as shipped and is not to be thinned. It can be installed in temperatures between 40°F and 100°F (4°C and 38°C).

However, 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.

MBR Cold Application Adhesive can be installed with a notched squeegee or trowel, as well as spray equipment. Average coverage per ply* is 50 to 70 ft²/gal (1.23 to 1.72 m²/l).

Tools and equipment can be cleaned with mineral spirits.

* Coverage rates depend upon weather conditions and substrate. Refer to specific code agency Web sites for exact construction information.

Caution

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.

Packaging

Available in 5 gal (18.9 l) pails and 55 gal (208.2 l) drums (special order), and has an approximate shipping weight of 10 lb/gal (1.2 kg/l). A 350 gal (1,325 l) tote is available on request.

Preferred Spray Equipment Specifications

Pressure	4,000 psi (27.6 MPa)
Gallons per Minute (gpm)	.5 (1.9 l/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	.34" (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 JM MBR Cold Application Adhesive and BUR Adhesive.

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