

Description

Johns Manville (JM) BUR Adhesive is a specially formulated adhesive designed for use with JM BUR membranes. This one-part cold application adhesive is specially formulated to set up quickly and, when cured, it forms a durable, elastomeric and watertight film.

Use

JM BUR Adhesive is for use in adhering roofing plies and for aggregate surfacings. It can be used as a direct substitute for asphalt in all JM Cold BUR specifications. However, we recommend that only fully coated, nonporous felts, such as JM GlasBase™ Plus 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 or GlasPly® Premier 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

- Quick set formulation that cures to form a durable, elastomeric and watertight film.



- Compatible with built-up roofing membranes.
- Ideal for areas where hot asphalt is prohibited, not desirable or not practical.
- Easy application over a wide temperature range.
- Cold process application — does not have to be heated.

Application

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

BUR Adhesive can be installed with a notched squeegee or trowel. Average coverage per ply* is 50 to 70 ft²/gal (1.23 to 1.72 m²/l). When used over porous substrates, the coverage rate will increase.

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

Preferred Spray Equipment Specifications†

Pressure	4,000 psi (27.6 MPa)
Gallons per Minute (gpm)	5 (3.2 l/second)
*Spray Tip Size	0.055" - 0.080" (1 - 2 mm)
Material Temperature	90°F - 100°F (32°C - 38°C)
Max Heat Temperature	120°F (49°C)††
Size of Hose	¾" (19 mm) Inside Diameter
Last 15' - 20' (4.57 - 6.1 m) of Hose	½" (12 mm) Inside Diameter

† These specifications are based on 400' (121.92 m) of hose and may change if the material has to be pumped longer or shorter distances than 400' (121.92 m). These specifications are also based on usage of JM MBR CAA and BUR Adhesive.

†† Do not expose material to flame or spark.

When spraying, an inline heater is required as the material coming out of the spray tip needs to be between 90°F (32°C) and 100°F (38°C). This is crucial for proper application.

The pump must be able to deliver at least 4,000 to 5,000 psi (27.6 to 34.5 MPa) at the spray tip with 5 gal (18.91 l) per minute output. For hose lengths longer than 400' (121.92 m), a 1" (26 mm) inside diameter is recommended.

Physical Properties

Appearance	Black, cement like
Asphalt by Weight	>52%
Consistency @ 77°F (25°C)	Spray Grade
Flash Point (ASTM D 9385)	110°F (43°C)
Maximum VOC (ASTM D 3960)	2.1 lb/gal (250 g/l)
Maximum VOS	2.1 lb/gal (250 g/l)
Solids by Weight (ASTM D 4479)	67%
Specific Gravity @ 77°F (25°C)	1.09

JM BUR Adhesive is approximately 20,000 cps @ 77°F (25°C).

Packaging

Available in 5 gal (18.9 l) pails, 55 gal (208.2 l) drums (special order) and 350 gal (132.5 l) totes, and has an approximate shipping weight of 9.1 lb/gal (1.1 kg/l).

Caution

Johns Manville BUR 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.

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