



# MBR<sup>®</sup> Utility Cement

## Description

MBR Utility Cement is a specially formulated, trowel grade, modified asphalt adhesive designed for use with SBS and APP modified bitumen flashing products. 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 sheet. MBR Utility Cement's formulation contains very low levels of petroleum spirits which make it compatible with all of the JM modified bitumen and built-up roofing products. It cannot be used with modified bitumen sheets that have a polyolefin burn-off film.

## Use

MBR Utility Cement can be used as a substitute for asphalt and MBR<sup>®</sup> Flashing Cement in JM modified bitumen flashing details. It can be used to adhere the JM modified bitumen flashing systems and built-up roofing felts to vertical surfaces, as a general purpose mastic on most builtup roofing and modified bitumen flashing details, or to strip in the laps of modified bitumen base flashings.

Modified bitumen sheets are very heavy. To prevent slippage when installed on a vertical surface, the sheets must be secured with nails or mechanical fasteners. If the surface to which the flashing material will be attached cannot accommodate nails or other fasteners, MBR Flashing Cement must be used in lieu of MBR Utility Cement.

## Typical Physical Properties

MBR Utility Cement is ready to 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). To minimize installation difficulties associated with cold weather applications, use the less viscous winter grade material. Also, completely unroll the modified bitumen sheets and allow them to relax at least 15 minutes prior to installation; turning light-colored sheets upside down (dark side up) helps accelerate the process.

For best results, make certain the surface to which the cement will be applied is clean, dry and free of loose material. All masonry surfaces which are to receive MBR Utility Cement must be primed with JM Concrete Primer. The primer must be allowed to dry thoroughly before application of the cement.

Use a notched masonry trowel to spread the MBR Utility Cement evenly, about 1/8" (3 mm) thick, working down firmly to ensure good adhesion. The modified bitumen flashing product is embedded into the cement and brushed or rubbed in to make contact and to ensure adhesion.

## Detailed Requirements

	Test Method	Value
Solids Content .....		82%
Flash Point.....	ASTM D 92.....	105°F (41°C)
Weight.....	ASTM D 1875.....	9.5 lb/gal (1.1 kg/l)
Viscosity @ 77°F (25°C), cps ..	ASTM D 2556 (Brookfield RV, Spindle No. 7)	
Summer Grade.....		100,000 - 250,000
Winter Grade .....		50,000 - 100,000
VOC Content.....		1.8 lb/gal (220 g/l)

## Advantages

- Compatible with all modified bitumen and built-up roofing membrane sheets that do not incorporate a polyolefin burn-off film.
- Cold process — does not have to be heated.
- Cures to form a durable, elastomeric and watertight film.
- Ready for use as shipped.

## Packaging

MBR Utility Cement is available in 5 gal (18.9 l) pails and has an approximate shipping weight of 10 lb/gal (1.2 kg/l). It is available in either a winter or summer grade. Both formulas contain the same basic ingredients, but the consistency, or viscosity, is adjusted to accommodate the ambient weather conditions in which the adhesive will be applied.

## Caution

**MBR Utility Cement 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 container label and follow all safety and disposal instructions.**

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