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(Supersedes September 2024)

BEM

One-Component Building Envelope Membrane

DESCRIPTION

BEM is a one-component, cold-applied, non-slump membrane that can be used for a variety of applications with building envelope products from W. R. MEADOWS. BEM cures to form a tough, flexible membrane. BEM is a high-quality moisture-curing elastomeric sealing material. The product is composed of Silyl-Terminated Polyether (STPE), providing strength and durability.

USES

BEM can be used in the forming of fillets and reinforcement at corners. BEM is also compatible with glass-mat exterior sheathing.

FEATURES/BENEFITS

- Bonds to asphalt and concrete
- Solvent-free; will not shrink
- Skins over in 50 minutes
- Does not freeze
- Cures to a tough, flexible membrane
- Can effectively be used on insulated concrete forms – does not contain any solvents that will have an adverse effect on ICFs or foam insulation

PACKAGING

20 Oz. (600 mL) Sausages (12 per Carton)

COVERAGE

40 mils wet yields 6.27 ft.² (0.58 m²) per sausage

SHELF LIFE

When stored indoors and in original, unopened containers at temperatures between 40° - 70° F (4° - 21° C), shelf life is one year from date of manufacture.

SPECIFICATIONS/STANDARDS

- Complies all U.S. VOC regulations, including National EPA VOC Emission Standard for Architectural Coatings, CARB, SCAQMD, Maricopa County, Colorado AIM, Utah Department of Air Quality, LADCO, and OTC Phase I and II

TECHNICAL DATA

Air/Substrate Temperature (At Time of Application):	>30° F (-1.1° C) and rising
VOC Content:	<42 g/L

APPLICATION

Surface Preparation ... All surfaces to be covered with BEM should be clean, free of all contaminants, dry, and frost-free.

Application Method ... Trowel on BEM to a minimum thickness of 15 mils. When dispensing material, make sure to cut nozzle 1.5" (38.1 mm). BEM may be applied to both primed and unprimed asphalt and concrete surfaces. Apply in 3" (76.2 mm) or 4" (101.6 mm) wide strips of material over terminations. When used as a corner reinforcement, apply a minimum of 6" (152.4 mm) wide in each direction. When used as a fillet, the face should be a minimum of ¾" (19.1 mm). At drains and protrusions, BEM should overlap the W. R. MEADOWS building envelope product membrane at a minimum of 2" (50.8 mm) and should extend 6" (152.4 mm) above the surface or to the top of the wearing course.

If applying fresh material over the cured membrane, the cured membrane should be lightly washed and wiped with alcohol. Allow for a few minutes to dry and trowel on the fresh material.

BEM is also compatible with AIR-SHIELD products from W. R. MEADOWS for joint detailing in exterior sheathing panels. For detailed application instructions, please view our AIR-SHIELD EXTERIOR SHEATHING PANELS INSTALLATION GUIDELINES document on our website.

Drying Time ... 50 minutes +/- 15 minutes at 75° F (23.9° C) and 50% relative humidity. Discard material that begins to thicken and becomes difficult to apply. BEM will cure to form a tough, flexible membrane.

CONTINUED ON REVERSE SIDE ...

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Cleanup ... Tools can be cleaned with alcohol. Follow manufacturer's precautions when using alcohol for cleanup. Cured material is best removed by mechanical means.

PRECAUTIONS

BEM is not to be used as a liner in a water-containing structure or as an exposed or wearing surface. BEM is a fluid-applied membrane that is designed to be used as part of a complete building envelope and drainage system. Do not use on surfaces that are later to be painted. Do not store in high temperatures. Refer to Safety Data Sheet for complete health and safety information.

For most recent data sheet, sustainability information, and SDS, visit www.wrmeadows.com.



LIMITED WARRANTY

W. R. MEADOWS, INC. warrants at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of acceptance of the order. Read complete warranty. Copy furnished upon request.

Disclaimer

The information contained herein is included for illustrative purposes only, and to the best of our knowledge, is accurate and reliable. W. R. MEADOWS, INC. cannot however under any circumstances make any guarantee of results or assume any obligation or liability in connection with the use of this information. As W. R. MEADOWS, INC. has no control over the use to which others may put its product, it is recommended that the products be tested to determine if suitable for specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Specifier and user shall determine the suitability of products for specific application and assume all responsibilities in connection therewith.