

# BURmastic® Adhesive SF

## Cold Applied Adhesive For Use With BURmastic Ply Sheets and POWERply® MB Membranes

**Composition:** BURmastic® Adhesive SF is a single component, urethane modified, asbestos free, solvent free cold process asphalt adhesive.

**Basic Uses:** BURmastic Adhesive SF is designed for application as a cold process interply adhesive with BURmastic Roofing Systems and POWERply MB Systems. BURmastic Adhesive SF is also used as the base membrane adhesive in the AlphaGuard® MT and Bio Plus Roof System.

Refer to UL Roofing Materials and Systems Directory and/or FM Approvals RoofNav for applicable system configurations.

**Limitations:**

- Not intended to perform under ponding conditions. Positive drainage required.
- Not to be used as an insulation adhesive.
- Not to be used as a flood coat.
- Do not apply to wet surfaces. Do not apply unless ambient and surface temperatures are at least 45°F (7°C) and rising.
- Do not apply acrylic coatings (ie. ICE Coating, Polarcote FR) directly to a membrane or ply sheet adhered in BURmastic Adhesive SF since these coatings will discolor. Apply a stain-blocking coating first when a reflective coating is required.
- Not to be exposed to solvents, oils, or other contaminants harmful to asphaltic materials.

- Not intended for use in adhering cold applied BUR systems or MB systems directly to isocyanurate insulation; the use of an approved cover board over isocyanurate insulation is recommended.
- Not for use over expanded polystyrene (EPS) or EPS composite insulations installed in any configuration unless EPS is encapsulated within lightweight insulating cellular concrete.
- Not intended for use as smooth roof coating.
- Backnail felts on roofs with slopes 2:12 (2" per foot) or greater. Do not install on roofs with slopes greater than 4:12 (4" per foot).

**Grade:** Squeegee only.

**Equipment:**

**Squeegee:** Triangular notched to provide 32 mil thick uniform application.

**Clean-Up:** Mineral spirits, xylene.

**Packaging:** Available in 5 (19L) gallon containers.

**Storage Life:** Six months in unopened containers.

**General Application Data:** Roof replacement usually involves more complexities than new construction roofing. Often encountered are situations such as rusted/deteriorated decks, rotted wood components, rooftop equipment which cannot be moved or shut down, and numerous other conditions.

The following application information is designed to serve as a general guide. Your local Tremco Representative will prepare detailed specifications based upon your roof's conditions.

**Structural Decks:** Must be properly designed and structurally sound.

**Drainage:** Ponding conditions are unacceptable and will adversely affect performance of any roofing system. If positive drainage does not exist, water removal must be facilitated by lowering drains and/or installing additional drains, tapered insulation, or a Tremco approved cellular concrete slope system.

**Insulation:** Insulation must be dry and kept dry. No more insulation shall be installed than can be covered that day.

**Acceptable Insulations:**

Type*	Minimum Thickness**	ASTM Standard
Wood Fiber	1/2" (13mm)	C 208
Gypsum board	1/4" (6mm)	C 1177 or D 1278

\* Insulation board must be designated by the manufacturer as suitable for roofing application.

\*\* Minimum thickness for application of BURmastic Adhesive SF. Follow insulation manufacturer's instructions to obtain minimum thickness for spanning metal deck ribs.

Product Advantages	
Features	Benefits
Cold-applied	<ul style="list-style-type: none"> <li>• No flames, hot kettles, smoke, or fire risks</li> <li>• Adhesion not temperature dependent</li> </ul>
Low odor/asbestos free/ Solvent free	<ul style="list-style-type: none"> <li>• Minimize disruption of ongoing operations at facilities during roof work</li> </ul>
High performance adhesive	<ul style="list-style-type: none"> <li>• Welds ply sheets, forming monolithic membrane</li> </ul>
Multi-ply	<ul style="list-style-type: none"> <li>• Redundant levels of protection and water-proofing</li> </ul>
Not flammable	<ul style="list-style-type: none"> <li>• Shipping, storage, and handling of adhesive can be completed with few restrictions at lower costs</li> </ul>



Roofing & Weatherproofing Peace of Mind™

**Installation Procedures:** According to particular project specifications, prepare surface to be covered:

- Replace areas of wet insulation, deteriorated deck, and wood components.
- Install roof insulation or base sheet.

Plan placement of Roofing System to ensure that water flows over or along, but not against exposed edges.

Starting a low point of roof, embed approved ply sheets in a uniform continuous application of BURmastic Adhesive SF. Ply shall never touch ply.

**Interply application rate:**

Felt	Gal/100 ft <sup>2</sup> per ply
BURmastic Composite Ply HT	2.0
BURmastic Glass Ply	2.0
POWERply MB	2.0

**SURFACING OPTIONS**

**Smooth Surface:** Consult with your local Tremco Representative for specific applications suitable for your geographic area.

**Precautions:** Users must read container labels and Material Safety Date Sheets for health and safety precautions prior to use.

**Availability and Cost:** Contact your local Tremco Roofing Representative for pricing and availability. For the name and number of your Representative, call the Roofing Division at 216/292-5000.

**Maintenance:** Your local Tremco Roofing Representative can provide you with effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs and preventive maintenance are all part of a sound roof program.

**Guarantee/Warranty:** Tremco Inc. warrants BURmastic Adhesive SF to be free of defects and to meet published physical properties when tested according to ASTM and Tremco standards. Under this warranty, any BURmastic Adhesive SF product that is proved to be defective when applied in accordance to our written instructions, and in applications recommended by Tremco as suitable for this product will be replaced with like product at no charge. THIS IS BUYER'S SOLE AND EXCLUSIVE REMEDY.

All claims concerning product defects must be made in writing within twelve (12) months of shipment. The absence of such claims in writing during this period will constitute a waiver of all claims with respect to such product.

This warranty shall be IN LIEU OF any other warranty, express or implied, including but not limited to, any implied warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

**Technical Services:** Your local Tremco Representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications. The services of the Tremco Research Center, which has earned a unique reputation in weather-proofing technology, complement and extend the services of the Tremco Technical Service staff.

**Statement of Policy and Responsibility:** Tremco takes responsibility for furnishing quality materials and for providing specifications and recommendations for their proper installation.

As neither Tremco itself nor its Representatives practice architecture or engineering, Tremco offers no opinion on, and expressly disclaims any responsibility for the soundness of any structure on which its products may be applied. If questions arise as to the soundness of a structure or its ability to support a planned installation properly, the Owner should obtain the opinion of competent structural engineers before proceeding. Tremco accepts no liability for any structural failure or for resultant damages, and no Tremco Representative is authorized to vary this disclaimer.

**Physical Performance Characteristics**

**BURmastic® Adhesive SF**

Property	Typical Value	Test Method
Asbestos content	None	EPA 600/R-93/116
Viscosity @ 77°F (25°C)	12,000-17,000 cP (12-17 Pa•s)	ASTM D 2196
Density @ 77°F (25°C)	8.3-8.5 lbs/gal (995-1018 g/L)	ASTM D 6511
Solids/weight%	94-96%	ASTM D 6511
VOC	<55 g/L	ASTM D 3960



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