

BURmastic® Adhesive SF

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

FEATURES

- Cold-applied
- Low odor/asbestos free/ Solvent free
- High performance adhesive
- Multi-ply
- Not flammable

BENEFITS

- No flames, hot kettles, smoke, or fire risks
- Adhesion not temperature dependent
- Minimize disruption of ongoing operations at facilities during roof work
- Welds ply sheets, forming monolithic membrane
- Redundant levels of protection and waterproofing
- Shipping, storage, and handling of adhesive can be completed with few restrictions at lower costs

DESCRIPTION

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/MTS Plus Roof System.

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

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.

APPLICATION

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 roofs 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)	C1177 or C 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.

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APPLICATION

CONTINUED

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 ² 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.

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 required.
- 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).

PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUE	TEST METHOD
Asbestos content	None	EPA 600/R-93/11 6
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

MAINTENANCE

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

PRECAUTIONS

Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.

TECHNICAL SUPPORT

Your local Tremco Roofing sales representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications.



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