

BURmastic® Adhesive

Cold Applied Adhesive For Use With BURmastic Ply Sheets

FEATURES

Cold-applied

Low odor/asbestos free

High performance

Multi-ply

Not classified as "DOT Flammable" red label

Versatile/flexible

BENEFITS

- No flames, hot kettles, smoke, or fire risks
- Reduces equipment needs and start-up time
- Adhesion not temperature dependent
- Can be readily used in restrictive areas, including schools and hospitals
- Welds ply sheets, adhesive forming monolithic membrane
- Redundant levels of protection and waterproofing
- Shipping, storage, and handling of adhesive can be completed with few restrictions at lower costs
- Can be used in limited access areas

DESCRIPTION

BURmastic® Adhesive is an asbestos free fibrated cold process asphalt interply and surfacing adhesive.

BASIC USES

BURmastic Adhesive is designed for application as a cold process interply adhesive and protective flood coat adhesive with BURmastic Roofing Systems. BURmastic Adhesive can also be used to adhere aggregate to new hot applied built up roof systems. BURmastic Adhesive is also used as a surfacing to adhere new aggregate in the restoration of existing multi-ply asphalt roof systems.

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

GRADE

Spray, Brush, Squeegee. Can be heated to facilitate application by using an oil-jacketed heat exchanger.

EQUIPMENT

SPRAY: Pump: Pneumatic or hydraulic pump with a minimum 2200 psi material output pressure. Output flow rate must be 3 GPM (gallons per minute) or greater for efficient production rates.

Spray tip/fluid hose: Reversible spray tip with 0.052" to 0.072" orifice and a 40° to 60° spray fan. Material fluid hose must be properly rated for the maximum working pressure of the pump being used.

SQUEEGEE: Triangular notched to provide 40-50 mil thick uniform application.

CLEAN-UP

Mineral spirits.

PACKAGING

Available in 5 (19L) pails or 50 (189.2L) gallon plastic lined and unlined barrels..

STORAGE LIFE

One year 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 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*	FACER
Wood Fiber	1/2" (13mm)	Treated
Gypsum board	1/4" (6mm)	Treated fiberglass or compressed surface

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APPLICATION CONTINUED

- Insulation board must be designated by the manufacturer as suitable for roofing application.
 - Maximum size: 4' x 8' (1219mm x 2438mm)
- * Minimum thickness for application of BURmastic Adhesive. Follow insulation manufacturer's instructions to obtain minimum thickness for spanning metal deck ribs.*

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 BURmastic 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. Ply shall never touch ply.

Acceptable Ply Sheets and Interply application rate:

	GAL/100 FT ²	L/M ²
FELT		
BURmastic Composite Ply HT	2.5	1.0
BURmastic Glass Ply	3	1.2
Approved ASTM D 4601 Type II glass base sheet (minimum 25 lb/SQ)	3	1.2

Gravel: Apply BURmastic Adhesive over new roof surface at 5 gal/100 ft² (2.0 L/m²). For restoration of existing roofs, coverage rate of BURmastic Adhesive is 7 gal/100 ft² (2.8 L/m²) minimum. Immediately broadcast 400-500 lb/100 ft² (19.4-24.4 kg/m²) of new, clean aggregate into adhesive. Aggregate shall conform to ASTM D 1863-93.

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

SURFACING OPTIONS

LIMITATIONS

- Not intended to perform under ponding conditions. Positive drainage required.
- Not to be used as an insulation adhesive.
- Not to be exposed to solvents, oils, or other contaminants harmful to asphaltic materials.
- Not intended for use in adhering cold applied BUR systems directly to isocyanurate insulation; the use of an approved cover board over isocyanurate insulation is recommended.
- Not for use over EPS (expanded and extruded polystyrene) or EPS composite insulations installed in any configuration unless EPS is properly embedded 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).
- Not for use with ASTM D 2178 Type IV or Type VI ply sheets in BUR or MB roof systems.

PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUE	TEST METHOD
Asbestos content	None	EPA 600/R-93/11 6
Viscosity @ 77°F (25°C)	25,000-75,000 cP (25-75 Pa•s)	ASTM D 2196
Density @ 77°F (25°C)	7.2-7.6 lbs/gal	ASTM D 6511
Nonvolatile content	72%	ASTM D 6511
Asphalt content, min.	50%	ASTM D 6511
Flash point	>100°F	ASTM D 93
Uniformity	Pass	ASTM D 6511
VOC	250 g/L	ASTM D 6511

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.

BURmastic® Adhesive

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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