

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.

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

GRADE

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.

EQUIPMENT

Mineral spirits.

CLEAN-UP

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

PACKAGING

One year in unopened containers.

STORAGE LIFE

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.

APPLICATION

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

BURmastic® Adhesive

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

SURFACING OPTIONS

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.

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.



www.tremcoroofing.com
3735 Green Road
Beachwood, Ohio 44122
1.800.852.6013

220 Wicksteed Avenue
Toronto, Ontario, M4H 1G7
1.800.668.9879

Tremco Roofing and Building
Maintenance is part of Tremco
Construction Products Group.

Tremco is a US Registered trademark of Tremco CPG Inc.

The information provided on this data page supersedes all previous data concerning this product and its application.

The Statements provided concerning the materials shown are intended solely as a general guide for material usage and are believed to be true and accurate. Since the manner of use is beyond our control, Tremco DOES NOT MAKE NOR DOES IT AUTHORIZE ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PURPOSE, OR ANY OTHER WARRANTY, GUARANTEE OR REPRESENTATION, EXPRESSED OR IMPLIED, CONCERNING THIS MATERIAL EXCEPT THAT IT CONFORMS TO TREMCO'S PRODUCT SAMPLE. Buyer and user accept the product under those conditions and assume the risk of any failure, injury of person or property and loss or liability resulting from the handling, storage or use of the product, whether or not it is handled, stored, used in accordance with directions or specifications. UNDER NO CIRCUMSTANCE SHALL TREMCO BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES ARISING FROM ANY BREACH OF WARRANTY. IN ALL CASES, TREMCO'S LIABILITY IS LIMITED, AT TREMCO'S OPTION, TO THE REPLACEMENT OF GOODS, OR THEIR VALUE, PROVEN TO BE DEFECTIVE IN MANUFACTURING.