BURmastic Green

A Cold Applied Adhesive Containing Recycled Material

COMPOSITION: BURmastic Green is an asbestos-free, fibrated, cold process asphalt interply and surfacing adhesive that contains 26% post-industrial recycled material.

BASIC USES: BURmastic Green is designed for application as a cold process interply and surfacing adhesive with BURmastic Roofing System. BURmastic Green can also be used to adhere aggregate to new hot applied built up modified bitumen roof systems. BURmastic Green is also used as a surfacing to adhere new aggregate in the restoration of existing multiply asphalt roof systems.

LIMITATIONS:

- Not intended to perform under ponding water conditions.
- 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 expanded polystyrene (EPS) of 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 then 4:12 (4" per foot)
- Not intended for use to adhere ASTM D 2178 Type IV and Type VI ply sheets in BUR applications.

Product Advantages

Features	Benefits
Cold-applied	• No flames, hot kettles, smoke, or fire • Reduces equipment needs and start-up time • Adhesion not temperature dependent
Low odor/asbestos free	• Can be readily used in restrictive areas, including schools and hospital
Recycled Content	• Contains 26% of post-industrial recycled material. • Helps meet LEED requirement for recycled content of construction materials
High performance Adhesive	• Welds ply sheets, forming monolithic membrane
Multi-ply	• Redundant levels of protections and waterproofing
Not red label	• Shipping storage, and handling of adhesive can be completed with few restrictions at lower cost.

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 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) or 50 (189L) gallon containers. Also available in Portable Bulk Tanks.

Storage Life: One year in unopened containers

General Application: 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 effect performance of any roofing systems. If positive drainage does not exist, water removal must be facilitated by lowering drains and/or installing additional drains, tapered insulation, or Tremco approved cellular concrete slope system.

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

Acceptable Insulation:

TYPE	MINIMUM THICKNESS*	FACER
Wood Fiber	1/2" (13mm)	Asphalt coated
Fibrous glass	3/4" (19mm)	Paper
Gypsum board	1/4" (6mm)	Treated fiberglass

– Insulation board must be designated by the manufacturer as suitable for roofing application.
– Maximum size: 4' x 8' (1219mm x 2428mm)
* Minimum thickness for applications of BURmastic Green, follow insulation manufacturers' 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 the water flows over or along, but not against exposed edges.
Starting at the low point of the roof, embed approved ply sheets in a uniformed continuous application of BURmastic Green. Ply shall never touch ply.

Interply application rate:

Felt	Gal/100ft^2	L/m^2
BURmastic Composite Ply HT	2.5	1.0
BURmastic Glass Ply	3.0	1.2
Approved ASTM D 4601 Type II glass base sheet	3.0 (minimum 25 lb/SQ)	1.2

SURFACING OPTIONS
Gravel: Apply BURmastic Green over new roof surface as 5 gal/100 ft^2 (2.0L/m^2). For restoration of existing roofs, coverage rate of BURmastic Green is 7 gal/100 ft^2 (2.8 L/m^2) minimum. Immediately broadcast 400-500 lb/100 ft^2 (19.4-24.4 kg/m^2) of new, clean aggregate into adhesive. Aggregate shall conform to ASTM D 1863-03.

Granule: Apply BURmastic FR over roof surface at 3.5 gal/100 ft^2 (1.2 L/m^2). Immediately broadcast 60 lb/100 ft^2 (2.9L/m^2) of No. 11 roofing granules into adhesive.

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 Data 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 Green to be free of defects and to meet published physical properties when tested according to ASTM and Tremco standards. Under this warranty, any BURmastic Green 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 BUYERS 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.

Physical Performance Characteristics

BURmastic® Green

Property	Typical Value	Test Method
Density @ 77° F (25° C)	8.4 lb/gal (1.0 kg/m^3)	ASTM D 1475-98
Viscosity @ 77° F (25° C)	25,000-75,000 cP (25-75 Pa•s)	ASTM D 2196-86
Nonvolatile content	67%	ASTM D 6511-00
Asphalt content, min.	42%	ASTM D 6511-00
Flash point	>100°F	ASTM D 93-97
Uniformity	Pass	ASTM D 6511-00
Asbestos	None	EPA 600/R13/116
VOC	271 g/L	ASTM D 6511-00

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 weatherproofing 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.

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