

BURmastic® Adhesive Green

A Cold Applied Adhesive Containing Recycled Material

FEATURES

Cold-applied

Low odor/asbestos free

Recycled Content

High performance adhesive

Multi-ply

Not red label

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 hospital

- Contains 26% of postindustrial recycled material.
- Helps meet LEED requirement for recycled content of construction materials

- 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 Green is an asbestos-free, fibrated, cold process asphalt interply and surfacing adhesive that contains 26% postindustrial recycled material.

BASIC USES

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

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

APPLICATION

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.

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

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APPLICATION

CONTINUED

Acceptable Insulations:

| 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 application of BURmastic Adhesive Green, 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 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 Adhesive Green. Ply shall never touch ply.

Interply application rate:

| FELT | GAL/100 FT ² | L/M ² |
|----------------------------|-------------------------|------------------|
| BURmastic Composite Ply HT | 2.5 | 1.0 |
| BURmastic Glass Ply | 3.0 | 1.2 |
| Approved ASTM D 4601 | 3.0 | 1.2 |
| Type II glass base sheet | (minimum 25 lb/SQ) | |

Gravel: Apply BURmastic Adhesive Green over new roof surface as 5 gal/100 ft² (2.0L/m²). For restoration of existing roofs, coverage rate of BURmastic Adhesive Green 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 1863-03.

Granule: Apply BURmastic FR over roof surface at 3.5 gal/100 ft² (1.2 L/m²). Immediately broadcast 60 lb/100 ft² (2.9L/m²) of No. 11 roofing granules into adhesive.

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

- 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 than 4:12 (4" per foot)
- Not intended for use to adhere ASTM D 2178 Type IV and Type VI ply sheets in BUR applications.

SURFACING OPTIONS

LIMITATIONS

PHYSICAL PROPERTIES

| 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 |

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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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