

BURmastic® Adhesive LV

Cold Applied Adhesive for use with BURmastic Ply Sheets

Composition: BURmastic® Adhesive LV is an asbestos free, low volatile fibrated asphaltic adhesive.

Basic Use: BURmastic Adhesive LV is designed for application as a cold process interply and aggregate surfacing adhesive with BURmastic Roofing Systems. BURmastic Adhesive LV can also be used in other built-up roof systems as an aggregate adhesive.

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 intended for use as a smooth roof coating.
- Not for use over expanded polystyrene (EPS) or EPS

composite insulations installed in any configuration unless EPS is encapsulated within lightweight insulating cellular concrete.

- Backnail felts on roofs with slopes 2:12 (2" per foot) (16%) or greater. Do not install on roofs with slopes greater than 4:12 (4" per foot) (33%).
- Must be heated to facilitate spray application by using an oil-jacketed heat exchanger.

Grade: Spray/brush/squeegee.

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 (1.0 mm - 1.3 mm) thick uniform application.

Clean-up: Mineral spirits.

Packaging: Available in 5 (19L) and 52 (196.8L) gallon containers. Also available in 52 (196.8L) gallon lined containers.

Storage Life: One year in unopened container.

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.

Structurally 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 lightweight concrete slope system.

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

| Product Advantages | |
|---|---|
| Features | Benefits |
| Cold applied | <ul style="list-style-type: none"> • No hot kettles or noxious fumes • Reduces equipment needs |
| Lower odor than Hot BUR — asbestos free | <ul style="list-style-type: none"> • Can be readily used in restrictive areas, including schools and hospitals |
| High performance adhesive | <ul style="list-style-type: none"> • Welds ply coating forming monolithic membrane |
| Multi-ply | <ul style="list-style-type: none"> • Redundant levels of protection and waterproofing |
| Not classified as "DOT Flammable" red label | <ul style="list-style-type: none"> • Shipping, storage, and handling of adhesive can be completed with few restrictions at lower costs |
| Versatile/flexible application | <ul style="list-style-type: none"> • Can be used in limited access areas |
| UL/FM approved | <ul style="list-style-type: none"> • Fire and wind protection |



Roofing & Weatherproofing Peace of Mind™

Acceptable Insulations:

| Type | Minimum Thickness* | Facer/Coatings |
|---------------|--------------------|--------------------|
| Fiberboard | 1/2" (13 mm) | Asphalt Coated |
| Fibrous glass | 3/4" (19 mm) | Paper |
| Gypsum | 1/4" (6 mm) | Treated fiberglass |

Maximum size: 4' x 8' (1219 x 2438 mm)

*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 at low point of roof, embed approved ply sheets in a uniform continuous application of BURmastic Adhesive LV. Ply shall never touch ply.

Interply application rate:

| Felt | Gal/100 sq ft | L/m ² |
|--|---------------|------------------|
| BURmastic Composite Ply HT | 2.5 | 1.0 |
| BURmastic Composite Ply | 2.5 | 1.0 |
| BURmastic Glass Ply | 3 | 1.2 |
| Approved ASTM D4601, Type II glass base sheet (minimum 25 lb/sq) | 3 | 1.2 |

SURFACING OPTIONS:

Gravel: Apply BURmastic Adhesive LV over roof surface at 5 gal/100 sq. ft. (2.0 L/m²). Immediately broadcast 400 lb/100 sq. ft. (19.6 kg/m²) of new, clean aggregate into the adhesive. Aggregate shall conform to ASTM D 1863-93 (2000).

Granule: Apply BURmastic Adhesive LV over roof surface at 3.5 gal/100 sq. ft. (1.4 L/m²). Immediately broadcast 60 lb/100 sq. ft. (2.9 kg/m²) of No. 11 roofing granules into the adhesive.

Smooth Surface: Consult with your local Tremco Representative for specific recommendations regarding asphalt emulsions and other coatings suitable for your geographic area.

Precautions: Users must read and follow container labels and Material Safety Data Sheets for instructions for health and safety precautions prior to and during 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 Adhesive LV to be free of defects and to meet published physical properties when tested according to ASTM and Tremco standards. Under this warranty, any BURmastic Adhesive LV 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

Typical Physical Performance Characteristics

BURmastic® Adhesive LV

| Property | Typical Value | Test Method |
|--------------------------|-------------------------------------|-----------------------|
| Asbestos content | None | EPA 600/R-93/116 |
| Viscosity @ 77°F (25°C) | 80,000-200,000 cP (80-200 Pa•s) | ASTM D 2196-81 (1991) |
| Density @ 77°F (25°C) | 8.2 lb/gal (982 kg/m ³) | ASTM D 6511-00 |
| Nonvolatile content | 75% | ASTM D 6511-00 |
| Flash Point | >100°F (37°C) | ASTM D 93-97 |
| Uniformity & consistency | Pass | ASTM D 6511-00 |
| VOC | <250 g/L | ASTM D 6511-00 |

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.

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 or its Representatives practice architecture or engineering, Tremco offers no opinion on, and expressly disclaims any responsibility for the soundness of any structure or any components below the building structure on which its products may be applied. If questions arise as to the soundness of a structure, its ability to support a planned installation properly, or whether material below the structure will be disturbed, the Owner should obtain the opinion of competent structural engineers before proceeding. Tremco accepts no liability for any failure of the structure or material below the structure or for resultant damages, and no Tremco Representative is authorized to vary this disclaimer.



**3735 Green Road
Beachwood, OH 44122
216-292-5000**

**220 Wicksteed Ave
Toronto, ONT M4H 1G7
416-421-3300**