

# BURmastic® Glass Ply - 28 lb.

## 3 Square Roll Asphalt Coated Fiberglass Base/Ply Sheet

### FEATURES

Asphalt coated smooth surface

Glass reinforced

Fully asphalt coated

### BENEFITS

- Excellent adhesion of flood smooth surface coating
- Waterproof.
- Non-rotting, strong.
- For use in BURmastic roof system or as hot/cold applied base sheet.

### DESCRIPTION

BURmastic Glass Ply - 28 lb. is a high performance roofing ply consisting of a fiberglass membrane coated with waterproofing asphalts.

### BASIC USES

BURmastic Glass Ply 28 lb. is designed for application as a ply sheet in cold applied built-up roof systems over preformed rigid insulation and/or base sheets. BURmastic Glass Ply 28 lb. can also be used as a hot or cold applied base sheet. BURmastic Glass Ply 28 lb. exceeds ASTM D 4601-91, Type II.

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

### PACKAGING

Available in 3' x 108' (915 mm x 32.9m) rolls, 300 ft<sup>2</sup>/roll (27.9 m<sup>2</sup>/roll). Sold by the pallet (20 rolls/pallet).

### 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:** Deck 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 cellular lightweight insulating concrete slope system.

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

**Installation procedures:** According to particular job specification, prepare surface to be covered:

- Replace areas of wet insulation, deteriorated deck and wood components.
- Install roof insulation, protection course, or base sheet.

Plan placement of BURmastic Glass Ply 28 lb. to ensure that water will flow over or along, but not against, exposed edges.

**Cold Process BUR:** Cut plies in 18' (5.5m) lengths maximum. Stack the cut plies and expose them to the sun. Do not stack more than 1" in height.

Above 55°F(13°C): 30 minutes minimum.

Below 55°F(13°C): 60 minutes minimum.

Starting at low point of roof, apply a uniform coating of BURmastic Adhesive at 3 gal/100 ft<sup>2</sup> (1.2m<sup>2</sup>/L).

**Three ply membrane:** Start and finish roof membrane along edges, terminations, and projections, use starting/finishing strips - 12, 24, and 36" (305mm, 610mm, 915mm) wide plies.

Install BURmastic Glass Ply 28 lb. in shingle fashion. Overlap starter strips 26" (660mm) with first ply, then overlap each succeeding ply 24-2/3" (627mm).

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## APPLICATION CONTINUED

**Four ply membrane:** Start and finish roof membrane along edges, terminations, and projections, use starting/finishing strips - 9, 18, 27, and 36" (229mm, 457mm, 686mm and 915mm) wide plies.

Install BURmastic Glass Ply 28 lb. in shingle fashion. Overlap starter strips 28" (711mm) with first ply, then overlap each succeeding ply 27 - 1/2" (698mm).

**Interply adhesive:** Embed each ply in uniform and continuous application of BURmastic Adhesive.

**Interply application:** 3 gal/100 ft<sup>2</sup> (1.2m<sup>2</sup>/L). Ply shall never touch ply.

**Base Sheet:** Nail or fully adhere a full width of BURmastic Glass Ply 28 lb. For adhered base sheets, use either a hot-melt adhesive or BURmastic Adhesive.

**Side laps:** 4" (100mm). End laps: 6" (150mm) minimum and staggered. Lightly broom or roll plies to assure complete contact. Extend all plies to top edges of all cants and cut off evenly. Overlap previous work 24" (610mm). Hot-melt interply application rate: 25 lb/100 ft<sup>2</sup> (1.25 kg/m<sup>2</sup>). Base sheet application rate of BURmastic: 3 gal/100 ft<sup>2</sup> (1.2m<sup>2</sup>/L).

Install flashings as specified.

## SURFACING OPTIONS

Gravel and smooth surfacing options are available. Consult your local Tremco Representative for specific recommendations.

## LIMITATIONS

- BURmastic Glass Ply 28 lb. is not intended to perform under ponding conditions. Positive drainage is required.
- BURmastic Glass Ply 28 lb. should not be exposed to solvents, oils or other contaminants harmful to asphaltic materials.

## PHYSICAL PROPERTIES

| PROPERTY                           | TYPICAL VALUE   | TEST METHOD |
|------------------------------------|---|-------------|
| Weight                             | 28.0 lb/100 ft <sup>2</sup> (1.37 kg/m <sup>2</sup> ) | ASTM D 228  |
| Breaking Strength                  | 90 lbf/in. MD, 70 lbf/in. XD                          | ASTM D 146  |
| Pliability, 1/2 in. radius         | No failures   | ASTM D 146  |
| Mass of desaturated glass mat, min | 1.7 lb/100 ft <sup>2</sup> (83 g/m <sup>2</sup> )     | ASTM D228   |
| Surfacing & stabilizer, max        | 65%   | ASTM D 4601 |
| Ash (glass mat only)               | 70 - 88%  | ASTM D 4601 |

## 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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