

# BURmastic® Glass Ply - 28 lb.

## 3 Square Roll

### Asphalt Coated Fiberglass Base/Ply Sheet

**Composition:** 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 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.

**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.

**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).

**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.

Product Advantages	
Features	Benefits
Asphalt coated smooth surface	<ul style="list-style-type: none"> <li>• Excellent adhesion of flood coating</li> <li>• Waterproof.</li> </ul>
Glass reinforced	<ul style="list-style-type: none"> <li>• Non-rotting, strong.</li> </ul>
Fully asphalt coated	<ul style="list-style-type: none"> <li>• For use in BURmastic 100 roof system or as hot/cold applied base sheet.</li> </ul>

**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.

**APPLICATION**

**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).

**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.

**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 representative for pricing and availability. For name and number of your representative, call 216/292-5000 - Roofing Division.

**Maintenance:** Your Tremco Representative can provide effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs, and preventative maintenance are all sound procedures.

**Guarantee/Warranty:** Tremco, Inc. warrants BURmastic Glass Ply 28 lb. to be free of defects and to meet published physical properties when cured and tested according to ASTM and Tremco standards. Under this warranty, we will provide at no charge, BURmastic Glass Ply 28 lb. in standard packaging to replace any BURmastic Glass Ply 28 lb. proven to be defective when applied according to our written instructions, and in applications recommended by us as suitable for BURmastic Glass Ply 28 lb. THIS IS BUYER'S 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.

Tremco offers a full range of guarantees with respect to the watertight integrity of Tremco Roofing Systems.

## Physical Performance Characteristics

### BURmastic® Glass Ply - 28 lb

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

The complete terms of such guarantees, as well as details on the conditions of each, are available from your local Tremco Representative.

**Technical Services:** Your local Tremco Representative, working with 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 opinions 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.

**TREMCO**

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

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