

BURmastic® Glass Ply

Coated Fiberglass Ply Sheet for Cold Process Built-Up Roofing Systems

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 100 roof system or as hot/cold applied base sheet.

DESCRIPTION

BURmastic® Glass Ply is a high performance roofing ply consisting of a fiberglass membrane coated with waterproofing asphalt.

BASIC USES

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

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

PACKAGING

Available in 36" (9.4 mm) wide rolls, 200 ft² (18.5 m²)/roll. Sold by the 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 Tremco approved lightweight cellular 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 to ensure that water will flow over or along, but not against, exposed edges.

Cold Process BUR: Cut plies in 18-20' (5.5-6.1 m) lengths maximum. Allows lengths to relax.

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 ft² (1.2 L/m²).

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

Install BURmastic Glass Ply in shingle fashion.

Overlap starter strips 26" (660mm) with first ply, then overlap each succeeding ply 24-2/3" (627 mm).

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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" (229, 457, 686 and 915 mm) wide plies.

Install BURmastic Glass Ply in shingle fashion. Overlap starter strips 29" (737 mm) with first ply, then overlap each succeeding ply 27-1/2" (698 mm).

Interply adhesive: Embed each ply in uniform and continuous application of BURmastic Adhesive. Interply application: 3 gal/100 ft² (1.2 L/m²). Ply shall never touch ply.

Base Sheet: Nail or embed a full width of BURmastic Glass Ply in a hot-melt adhesive or BURmastic Adhesive.

Side laps: 4" (100 mm).

End laps: 6" (150 mm) 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.

Hot-melt interply application rate: 25 lb/100 ft² (1.2 Kg/m²).

Install flashings as specified.

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

SURFACING OPTIONS

LIMITATIONS

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

PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUE	TEST METHOD
Weight	33.0 lb/100 ft ² (1.6 kg/m ²)	ASTM D 228
Breaking Strength	90 lbf/in. MD (15.7 N/mm), 70 lbf/in. XD (12.3 N/mm)	ASTM D 146
Pliability, 1/2" (13mm)	No failures	ASTM D 146
Mass of desaturated glass mat, min	1.7 lb/100 ft ² (83 g/m ²)	ASTM D228
Surfacing & stabilizer, max	65%	ASTM D 4601
Asphalt	10.0 lb/100 ft ² (488 g/m ²)	ASTM D 228
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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