

# BURmastic® Composite Ply Premium

*Coated Trilaminare Reinforced Ply Sheet for Built-Up and Modified Bitumen Roofing Systems Modified with SBS Rubber*

## FEATURES

- Multi-ply system
- Trilaminare reinforcement
- Continuous application
- UL Classified

## BENEFITS

- Redundant waterproofing
- Superior strength and tear resistance for long term performance
- Tough, durable protection
- Reduced labor costs
- Reduced opportunity of application defects
- Increases application simplicity
- Fire protection

## DESCRIPTION

BURmastic® Composite Ply Premium is a polyester/glass/polyester trilaminare reinforcement coated with waterproofing asphalt. BURmastic Composite Ply Premium has extremely high tensile and tear strength, and is modified with SBS rubber.

## BASIC USES

BURmastic Composite Ply Premium is designed as a ply sheet for application in multi-ply configurations over insulation boards and/or base sheets in the BURmastic cold process roof system. BURmastic Composite Ply Premium can also be used as a hot, cold or mechanically attached applied base sheet or as the base membrane in the AlphaGuard® MT/MTS/BIO Fluid Applied Roof System and in modified bitumen roof systems, in addition to use as a flashing membrane. BURmastic Composite Ply Premium exceeds the requirements of ASTM D 4601, Type II.

## PACKAGING

Available in 3'x72' (915mm x 21.9m) rolls, 200 ft<sup>2</sup>/roll (18.6m<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 can prepare detailed specifications based upon your roof's conditions.

Deck must be properly designed and structurally sound.

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 lightweight cellular concrete.

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.

**Cold Process BUR:** Starting at low point of roof, apply a uniform coating of BURmastic Adhesive at 2.5 gal/100 ft<sup>2</sup> (1L/m<sup>2</sup>).

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

Install BURmastic Composite Ply Premium in shingle fashion. Overlap starter strips 26" (660mm) with first ply, then overlap each succeeding ply 24-2/3" (625mm).

## STRUCTURAL DECKS

## DRAINAGE

## INSULATION

## APPLICATION

# BURmastic® Composite Ply Premium

## 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, 685mm, and 915mm) wide plies.

Install BURmastic Composite Ply Premium in shingle fashion. Overlap starter strips 29" (750mm) 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 rate: 2.5 gal/100 ft<sup>2</sup> (1L/m<sup>2</sup>). Ply shall never touch ply.

**Base Sheet:** Nail or embed a full width of BURmastic Composite Ply Premium.

**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).

Smooth and aggregate surfacing options are available. Consult your local Tremco Representative for specific recommendations.

## SURFACING OPTIONS

## LIMITATIONS

- BURmastic Composite Ply Premium is not intend perform under ponding conditions. Positive drainage is required.
- BURmastic Composite Ply Premium should not be exposed to solvents, oils or other contaminants harmful to asphaltic materials.
- Do not install BURmastic Composite Ply Premium in a hot applied multi-layer, shingle application.

## PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUE	TEST METHOD
Thickness	0.060 in. (1.52 mm)	ASTM D 146
Weight	36.9 lb/ 100 ft <sup>2</sup> (1801 g/m <sup>2</sup> )	ASTM D 228
Tensile strength @ 77°F (25°C)	229 lbf/in MD (40.6 kN/m), 258 lbf/in XMD (45.7 kN/m)	ASTM D 5147
Elongation	6.00% MD, 7.30% XMD	ASTM D 5147
Tear strength	392 lbf MD (1.7 kN), 440 lbf XMD (1.9 kN)	ASTM D 5147
Pliability, 1/2 in.	No failures (13mm) radius	ASTM D 1460
Asphalt content	12.5 lb/ 100 ft <sup>2</sup> (610.1 g/m <sup>2</sup> ) minimum	ASTM D 228

## 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

our local Tremco Roofing Sales Representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications.



[www.tremcoroofing.com](http://www.tremcoroofing.com)  
3735 Green Road  
Beachwood, Ohio 44122  
1.800.852.6013

220 Wicksteed Avenue  
Toronto, Ontario, M4H 1G7  
1.800.668.9879

Tremco Roofing and Building Maintenance is part of Tremco Construction Products Group.

Tremco is a US Registered trademark of Tremco CPG Inc.

The information provided on this data page supersedes all previous data concerning this product and its application.

The Statements provided concerning the materials shown are intended solely as a general guide for material usage and are believed to be true and accurate. Since the manner of use is beyond our control, Tremco DOES NOT MAKE NOR DOES IT AUTHORIZE ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PURPOSE, OR ANY OTHER WARRANTY, GUARANTEE OR REPRESENTATION, EXPRESSED OR IMPLIED, CONCERNING THIS MATERIAL EXCEPT THAT IT CONFORMS TO TREMCO'S PRODUCT SAMPLE. Buyer and user accept the product under those conditions and assume the risk of any failure, injury of person or property and loss or liability resulting from the handling, storage or use of the product, whether or not it is handled, stored, used in accordance with directions or specifications. UNDER NO CIRCUMSTANCE SHALL TREMCO BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES ARISING FROM ANY BREACH OF WARRANTY. IN ALL CASES, TREMCO'S LIABILITY IS LIMITED, AT TREMCO'S OPTION, TO THE REPLACEMENT OF GOODS, OR THEIR VALUE, PROVEN TO BE DEFECTIVE IN MANUFACTURING.