

# BURmastic® Supreme Composite Ply

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

### FEATURES

- Multi-ply system
- Trilaminar reinforcement
- Continuous application
- UL Classified
- Polymer Modified

### BENEFITS

- Redundant waterproofing
- Very high strength and tear resistance for long term performance
- Tough, durable protection
- Reduced labor costs
- Reduced opportunity of application defects
- Increases application simplicity
- Fire protection
- Resists thermal shock and splitting

### DESCRIPTION

BURmastic® Supreme Composite Ply is a polyester/glass/polyester trilaminar reinforcement coated with waterproofing asphalt. BURmastic Supreme Composite Ply has exceptional tensile and tear strength, and is modified with SBS rubber.

### BASIC USES

BURmastic Supreme Composite Ply 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 Supreme Composite Ply is also used in MB roof systems as a smooth surfaced membrane. BURmastic Supreme Composite Ply can also be used as a hot or cold applied base sheet, in BUR and AlphaGuard Fluid Applied Roof Systems, and as a flashing membrane sheet. BURmastic Supreme Composite Ply 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).

### 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 can 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 lightweight cellular concrete.

**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 Supreme Composite Ply to ensure that water will flow over or along, but not against, exposed ply edges.

**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)

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## APPLICATION CONTINUED

wide plies.

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

**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 Supreme Composite Ply in shingle fashion. Overlap starter strips 29" (750mm) with first ply, then overlap each succeeding ply 27-1/2" (698mm).

**MB Systems:** Apply specified base plies, then apply BURmastic Modified Supreme Composite Ply in a uniform and continuous application of adhesive. Lap selvage 4" (100 mm) minimum, end laps 6" (150 mm) minimum.

**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 Supreme Composite Ply in 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).

## SURFACING OPTIONS

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

## LIMITATIONS

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

## PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUE	TEST METHOD
Thickness	0.063 in. (1 mm)	ASTM D 146-04
Weight	37.9 lb/ 100 ft <sup>2</sup> (1850 g/m <sup>2</sup> )	ASTM D 228-05
Tensile strength	312 lbf/in MD (55.3 kN/m), 290 lbf/in XMD (51.4 kN/m)	ASTM D 5147-02
Elongation	7.20% MD, 8.30% XMD	ASTM D 5147-02
Tear strength	540 lbf MD (2.4 kN), 558 lbf XMD (2.5 kN)	ASTM D 5147-02
Pliability, 1/2 in.	No failures (13mm) radius	ASTM D 146-04
Asphalt content	12.5 lb/ 100 ft <sup>2</sup> (610.1 g/m <sup>2</sup> ) minimum	ASTM D 228-05

## 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.

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## 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.



Roofing & Building Maintenance

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