

# BURmastic® Composite Ply Premium

## Asphalt Coated Trilaminare Reinforced High Strength Ply Sheet

**COMPOSITION:** 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.

**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 or cold applied base sheet. BURmastic Composite Ply Premium exceeds the requirements of ASTM D 4601-98, Type II.

**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.

**PACKAGING:** Available in 3'x72' (915mmx21.9m) rolls, 200 ft<sup>2</sup>/roll (18.6m<sup>2</sup>/roll). Sold by the pallet (20 rolls/pallet).

Product Advantages	
Features	Benefits
Multi-ply system	<ul style="list-style-type: none"> <li>• Redundant water-proofing</li> </ul>
Trilaminare reinforcement	<ul style="list-style-type: none"> <li>• Superior strength and tear resistance for long term performance</li> <li>• Tough, durable protection</li> </ul>
Continuous application	<ul style="list-style-type: none"> <li>• Reduced labor costs</li> <li>• Reduced opportunity of application defects</li> <li>• Increases application simplicity</li> <li>• Fire protection</li> </ul>



**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. The use of FAS-n-FREE® Adhesive for solvent free, fastener free insulation attachment is the preferred method of securement unless otherwise specified.

**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 Composite Ply Premium 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) wide plies.



Roofing & Weatherproofing Peace of Mind™

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).

**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 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). Hot-melt adhesive application rate: 25 lb/100 ft<sup>2</sup> (1.25kg/m<sup>2</sup>). BURmastic Adhesive application rate: 2.5 gal/100 ft<sup>2</sup> (1L/m<sup>2</sup>).

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

**PRECAUTIONS:** Users must read container labels and Material Safety Date Sheets for health and safety precautions prior to use.

**AVAILABILITY AND COST:** Contact your local Tremco Roofing Representative for pricing and availability. For the name and number of your Representative, call the Roofing Division at 216/292-5000.

**MAINTENANCE:** Your local Tremco Roofing Representative can provide you with effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs and preventive maintenance are all part of a sound roof program.

**GUARANTEE/WARRANTY:** Tremco Inc. warrants BURmastic Composite Ply Premium to be free of defects and to meet published physical properties when tested according to ASTM and Tremco standards. Under this warranty, any BURmastic Composite Ply Premium product that is proved to be defective when applied in accordance to our written instructions, and in applications recommended by Tremco as suitable for this product will be replaced with like product at no charge. THIS IS BUYERS 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.

## Physical Performance Characteristics

### BURmastic® Composite Ply Premium

Property	Typical Value	Test Method
Thickness	0.057 in. (1.45mm)	ASTM D 146-97
Weight	31.0 lb/100 ft <sup>2</sup> (1.5kg/m <sup>2</sup> )	ASTM D 228-90a (1996)
Breaking strength @77°F (25°C)	220 lbf/in MD (38.5kN/m) 235 lbf/in XMD (41.1kN/m)	ASTM D 146-97
Elongation @77°F (25°C)	6.5% MD 6.5% XMD	ASTM D 146-97
Pliability, 1/2 in. (13mm) radius	No failures	ASTM D 146-97
Tear Strength	345 lbf MD (1534 N) 330 lbf XMD (1467 N)	ASTM D 4073-94 (1998)
Mass of desaturated polyester/glass/ polyester mat, min.	3.5 lb/100 ft <sup>2</sup> (172 g/m <sup>2</sup> )	ASTM D 228-90a (1996)
Asphalt	10.0 lb/100 ft <sup>2</sup> (485 g/m <sup>2</sup> ) minimum	ASTM D 228-90a (1996)

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.

**TECHNICAL SERVICES:** Your local Tremco Representative, working with the 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 the opinion 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.

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