

Premium III™

A Quality Controlled Hot-Melt Asphalt Adhesive

Composition: Premium III™ is a high quality steep asphalt processed from closely monitored asphalt flux. Premium III meets tightly controlled performance characteristics and exceeds ASTM D312 standards.

Basic Uses: Premium III is designed for application as a thermoplastic hot-melt adhesive in a variety of built-up roof configurations. Premium III can be used as an interply or flood coat adhesive for BUR and MB roof systems. It can also be used to adhere Tremco approved insulations to acceptable substrates.

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

Limitations:

- Not intended to perform under ponding conditions. Positive drainage required.
- Not to be exposed to solvents, oils, or other contaminants harmful to asphaltic materials.
- Not for use over expanded polystyrene (EPS) or EPS composite insulations installed in any configuration unless EPS is encapsulated within lightweight insulating cellular concrete.
- Not for use to adhere membranes or plies directly over isocyanurate insulation. Isocyanurate insulations must be overlaid with an approved coverboard.
- Not for use over phenolic insulations installed in any configuration.
- Backnail felts on roofs with slopes 2:12 (2" per foot) or greater. Do not install on roofs with slopes greater than 3:12 (3" per foot).
- Do not install when ambient temperatures are below 50°F (10°C) unless special cold weather application procedures are followed. Consult your local Tremco Representative for details.

Packaging: Available in 100 lb. (45kg) cartons. Sold by pallet only.

PRODUCT ADVANTAGES	
Features	Benefits
Quality control	• Longer roof life
High quality asphalt	• Uniform installation characteristics
Consistent EVT	• Reduced application error

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, and 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 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 an approved cellular concrete slope system.

Insulation: Insulation must be dry and kept dry. No more insulation shall be installed than can be covered that day.

Acceptable Insulations:

Type	Minimum Thickness*	Facer
Fiberboard	1/2" (13mm)	Coated
gypsum/gypsum fiber	1/4" (6mm)	glass/unfaced
Perlite	1" (25mm)	None
Sublayer		
Fiberboard	1/2" (13mm)	None
gypsum/gypsum fiber	1/4" (6mm)	glass/unfaced
Perlite	1" (25mm)	None
Isocyanurate	1" (25mm)	Black/white

*Minimum thickness for application in Premium III. Follow insulation manufacturer's instructions to obtain minimum thickness for spanning metal deck ribs.

Installation Procedures: According to particular job specifications, prepare surface to be covered:

- Replace areas of wet insulation, deteriorated deck, and wood components.
- Install roof insulation or base sheet by mechanical attachment or in a uniform and continuous mopping of Premium III applied at 25-30lb/100 ft² (1.2 - 1.4 kg/m²).

Plan placement of roofing ply sheets to ensure that water will flow over or along, but not against exposed edges. Use standard kettle equipped with circulating pump. Do not heat Premium III above its flash point.



Roofing & Weatherproofing Peace of Mind™

Starting at low point of roof, apply a uniform continuous mopping of Premium III using standard roofing mop or Tremco approved felt layer.

Use ply sheets to start and finish roof membrane along edges, terminations and projections as specified. Install ply sheets, overlapping each previous ply the specified width. Embed each ply in uniform and continuous mopping of Premium III asphalt, applied within its Equiviscous Temperature (EVT) range.

Interply application rate:

Felt	lb/100 ft²*
BURmastic Glass Ply	25 (1.2 kg/m ²)
Burmastic Composite Ply HT	25 (1.2 kg/m ²)
PolyTHERM	25 (1.2 kg/m ²)
THERMglass	25 (1.2 kg/m ²)
POWERply systems (all plies)	25 (1.2 kg/m ²)

* Application Tolerance: ±20%

Ply shall never touch ply. Apply Premium III no more than ten feet ahead of each roll. Lightly broom plies from unmopped side to assure complete adhesion. Tie in previous work 24" (600mm). Lap ply sheet ends 6" (150mm). Stagger end laps. Avoid walking on plies until Premium III has cooled. Install flashings as specified.

SURFACING OPTIONS

Gravel: Apply Premium III over roof surface at 60 lb/100 ft² (2.9 kg/m²) ± 20%. Immediately broadcast 400 lb/100 ft² (19.5 kg/m²) of new, clean gravel into adhesive. Aggregate shall conform to ASTM D 1863.

Smooth Surface: Consult your local Tremco Representative for specific applications suitable for your geographic area.

Application Rates: Premium III quantities for water-stop/tieoffs, flashings, miscellaneous detail applications and minimum kettle capacity are not included in interply and flood coat application rates.

Precautions: Users must read container labels and 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 Premium III 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, Premium III in standard packaging to replace any Premium III proven to be defective when applied according to our written instructions, and in applications recommended by us as suitable for Premium III. THIS IS BUYER'S SOLE AND EXCLUSIVE REMEDY.

Physical/Performance Characteristics		
Premium III™		
Property	Typical Value	Test Method
Softening point	195-205°F (90.5-96°C)	ASTM-D 36
Penetration @ 77°F (25°C)	15-30dmm	ASTM-D 5
Flash point, min	525° (274°C)	ASTM D 92
Ductility @ 77°F, (25°C) min	2.5 cm	ASTM D 113
Equiviscous temperature (125cP)	400 to 450°F (204 to 221°C)	ASTM 4402

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. 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 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 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.



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