

# Premium III™

## A Quality Controlled Hot-Melt Asphalt Adhesive

### FEATURES

Quality Control  
High Quality Asphalt  
Consistent EVT

### BENEFITS

- Longer roof life
- Uniform installation characteristics
- Reduced application error

### DESCRIPTION

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.

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

### PACKAGING

### 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, 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" (13 mm)	Coated
Gypsum/Gypsum Fiber	1/4" (6 mm)	Factory Primed/Unfaced
Perlite	1" (25 mm)	None
SUBLAYER		
Fiberboard	1/2" (13 mm)	None
Gypsum/Gypsum Fiber	1/4" (6 mm)	Factory Primed/Unfaced
Perlite	1" (25 mm)	None
Polyisocyanurate	1" (25 mm)	Black/White

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

## APPLICATION CONTINUED

## APPLICATION RATES

## LIMITATIONS

# Premium III™

**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 ft<sup>2</sup> (1.2 -1.4 kg/m<sup>2</sup>).

**Application:** 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.

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 ft <sup>2</sup> *
BURmastic Glass Ply	25 (1.2 kg/m <sup>2</sup> )
BURmastic Composite Ply HT	25 (1.2 kg/m <sup>2</sup> )
PolyTHERM	25 (1.2 kg/m <sup>2</sup> )
THERMglass	25 (1.2 kg/m <sup>2</sup> )
POWERply systems (all plies)	25 (1.2 kg/m <sup>2</sup> )

\*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 ft<sup>2</sup> (2.9 kg/m<sup>2</sup>) + 20%. Immediately broadcast 400 lb/100 ft<sup>2</sup> (19.5 kg/m<sup>2</sup>) 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.

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.

- 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.



# Premium III™

## PHYSICAL PROPERTY

PROPERTY	TYPICAL VALUE	TEST METHOD
Softening Point	195-205° F (90.5-96° C)	ASTM-D 36
Penetration @ 77° F (25° C)	15-30 dmm	ASTM-D 5
Flash Point, min	525° F (274° C)	ASTM D 92
Ductility @ 77° F (25° C), min	2.5 cm	ASTM D 113
Equiviscous temperature (125cP)	400-450° F (204-221° C)	ASTM 4402

## 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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