

Premium III™

A Quality Controlled Hot-Melt Adhesive

Composition: Premium III is a high quality asphalt processed from closely monitored asphalt flux. Premium III meets tightly controlled performance characteristics and is manufactured in accordance with ASTM D312-95a and CSA 123.4M standards.

Basic Use: 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 adhesive for SBS modified bitumen systems as well as standard built-up roofs. It can also be used to adhere Tremco approved insulations to acceptable substrates.

Limitations:

- Not to be exposed to solvents, oils or other contaminants harmful to asphaltic materials
- Not for direct use over foam insulations. Foam insulations must be overlaid with either fibreboard, fibrous glass or perlite.
- Do not install on roofs with slopes greater than 3:12

Consult your Tremco Representative for special cold weather application procedures when ambient temperatures drop below 5°C (40°F).

Packaging: Available in 100 lb cartons. Sold by pallet only.

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 guide. Your local Tremco Representative will prepare detailed specifications based upon your roof's conditions.

Product Advantages	
Features	Benefits
Quality control	• longer roof life
High quality asphalt	• uniform installation Characteristics
Consistent EVT	• reduced application error

Structural Deck: Must be properly designed and structurally sound.

Drainage: Excessive ponding conditions adversely affect the performance of any roof system. Where positive drainage does not exist, water removal must be facilitated by lowering sumps or installing tapered insulation or additional drains.

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

Acceptable Insulations:

Type	Minimum	Facer
Fibreboard	13mm (1/2")	None
Fibrous Glass	19mm (3/4")	Paper
Perlite	25mm (1")	None
Isocyanurate	25mm (1")	Black

Maximum size: 1220mm x 2440mm (4' x 8')

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

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

- Replace areas of wet insulation, deteriorated deck, and wood components.
- Install first course of roof insulation by mechanical attachment or in a uniform and continuous mopping of Premium III or a Tremco approved cold adhesive such as FAS-n-FREE.

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 a 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 a uniform and continuous mopping of Premium III asphalt.

Application Rates:

Insulation: 1.5kg/sqm (30lb/sq)
 Interply: 1-1.2kg/sqm (20-25lb/sq)
 Flood coat: 3kg/sqm (60lb/sq)

Ply sheet shall never touch ply. Apply Premium III no more than 3 metres (10') ahead of each roll. Lightly broom plies from unmopped side to assure complete adhesion. Tie in previous work 600mm (24"). Stagger end laps. **Avoid walking on plies until Premium III adhesive has cooled.** Install flashings as specified.

Surfacing Options:

Gravel: Apply Premium III over roof surface at 3kg/sqm (60lb/100sqft) ± 20%. Immediately broadcast 20kg/sqm (400lb/100sqft) of new clean gravel into adhesive. Aggregate shall conform to ASTM D1863-86.

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

Application Rates: Premium III quantities for waterstop tie-offs, flashings miscellaneous detail applications and minimum kettle capacity are not included in interply and floodcoat application rates.

Precautions: User must read container labels and Material Safety Data Sheets for health and safety precautions prior to use.

Availability and Cost: Immediately available from Tremco at strategic locations throughout Canada.

Cost data is available from your local Tremco Representative. For name and telephone number of your local Tremco Representative, call: 416/421-3300 in Toronto, 514/521-9555 in Montreal or 800/668-9879.

Guarantee/Warranty: We warrant our products to be free of defects and manufactured to meet published physical properties when cured and tested according to ASTM, CSA and Tremco standards. Under this warranty, we will provide, at no charge, additional product to replace any product proved to be defective when applied in accordance with our written instructions and in applications recommended by us as suitable for this product.

All claims concerning product defect must be made within twelve (12) months of shipment. Absence of such claims in writing during this period will constitute a waiver of all claims with respect to such product.

This warranty is in lieu of any and all other warranties expressed or implied.

Maintenance During warranty Period: Written notice to Tremco within thirty (30) days is required after any alleged defect is noticed.

Physical Performance Characteristics		
Premium III		
Property	Typical Value	Test Method
Softening Point (°C)	92	ASTM D36
Penetration @ 25°C	17	ASTM D5
Flash Point (°C)	300	ASTM D92
Viscosity @ 200°C	383	ASTM D4402

Technical Services: Your local Tremco Representative, in conjunction with Tremco Engineering Service Department, provides problem analysis and assistance in developing recommendations for special applications. On-site instruction can generally be provided at a nominal charge. Their services are extended by Tremco's Research and Development Laboratory, which has earned a unique reputation in weatherproofing technology.

Statement of Policy and Responsibility:

Tremco takes responsibility for the furnishing of quality roofing materials, and providing specifications and recommendations for their proper installation.

Tremco does not, either itself or through it's representatives, practise architecture or structural engineering. Tremco offers no opinion on, and expressly disclaims any responsibility for, the structural soundness of any roof deck on which its products may be applied.

Opinions of competent structural engineers should be obtained as to the structural soundness of the roof deck, or its ability to support the contemplated roof installation. Tremco accepts no liability for any failure of the roof deck or resultant damages, and no Tremco Representative is authorized to vary this disclaimer.

TREMCO

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