

Premium IV Pak-Free Asphalt

A Quality Controlled, Low Odor Hot-Melt Adhesive Packaged in Meltable Plastic Film

Composition: Premium IV Pak-Free Asphalt is a high quality roof mopping asphalt processed from a closely monitored asphalt flux, and packaged in easy to handle polyethylene plastic wrappers. The wrapping plastic on each package is suitable for placement in a standard roofing hot-kettle without removing it from the asphalt. In addition, a compatible low odor additive is blended within the hot melt to reduce jobsite odors. Premium IV Pak-Free Asphalt meets tightly controlled performance characteristics and performs in accordance with ASTM D 312, the Standard Specification for Asphalt Used in Roofing.

Basis Uses: Premium IV Pak-Free Asphalt is designed for application as a thermoplastic hot melt adhesive in a variety of built-up roof configurations. The Pak Free packaging helps reduce jobsite waste by eliminating asphalt keg containers and increasing the amount of asphalt which may be shipped per pallet. The meltable polyethylene wrapper is not removed from each package of asphalt, instead, is placed in the hot kettle as a unit and melts away.

Premium IV Pak-Free Asphalt is suitable for use as an interply adhesive for standard built up roofs, especially for steep-sloped roof applications. Premium IV Pak-Free Asphalt may also be used as an adhesive for SBS modified bitumen systems. In addition, Premium IV Pak-Free Asphalt may be used as a flood coat surfacing adhesive for asphalt built up and SBS modified bitumen roof systems, along with being recommended for use to adhere Tremco approved roof insulation boards to acceptable substrates.

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 hot applying membrane systems directly over isocyanurate insulation. Iso-cyanurate insulations must be overlaid with either 1/2" (13mm) fiberboard, 3/4" (19mm) fibrous glass, or 1" (25mm) perlite (minimum thickness).

Product Advantages	
Features	Benefits
Consumable packaging	Less packaging waste
Quality controlled product	Consistent performance values
UL & FM Approved	Fire/wind protection

- Not for use over phenolic insulations installed in any configuration.
- Backnail felts on roofs with slopes 2:12 (2" per foot) (17%) or greater. Do not install on roofs with slopes greater than 6:12 (6" per foot) (50%).
- 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 50 lb (22.5 kg) units, individually wrapped in a meltable polyethylene film. Sold by the pallet only.

Two pallet sizes are offered. Pallet size is based on regional availability.

- 2,500 lbs (1,134 kg) per pallet – 50 units
- 2,000 lbs (907 kg) per pallet – 40 units

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 will prepare detailed specifications based upon your roof's condition.

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 lightweight insulating concrete slope system.

Insulation: Insulation must be dry and kept dry. No more insulation shall be installed that can be covered that day. Mechanical fastening is the preferred method of attachment.

Acceptable Insulations:

Type	Minimum Thickness*	Face
Fiberboard	1/2" (13mm)	None
Perlite	1" (25mm)	None

Sublayer

Fiberboard	1/2" (13mm)	None
Perlite	1" (25mm)	None
Isocyanurate	1" (25mm)	Black /white

Maximum Size: 4' X 8' (1219mm X 2438mm)

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

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Roofing & Weatherproofing Peace of Mind™

Installation Procedures: According to 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 IV Pak-Free Asphalt applied at 25-30 lb/100ft² (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 IV Pak-Free Asphalt above its flash point. Equiviscous temperature range: 425 - 475°F (218 - 246°C). Starting at low point of roof, apply a uniform continuous mopping of Premium IV Pak-Free Asphalt 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 IV Pak-Free Asphalt.

Interply application rate:

	lb/100 ft²*
BURmastic Glass Ply	25 (1.2 kg/m ²)
BURmastic Composite Ply	25 (1.2 kg/m ²)
Poly-THERM	25 (1.2 kg/m ²)
THERMglass	25 (1.2 kg/m ²)
POWERply MB systems (all plies)	25 (1.2 kg/m ²)

* Application tolerance: ±20%

Ply shall never touch ply. Apply Premium IV Pak-Free Asphalt 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 IV Pak-Free Asphalt adhesion has cooled.** Install flashings as specified.

SURFACING OPTIONS

Gravel: Apply Premium IV Pak-Free Asphalt 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 or 300 lb/100 ft² (14.6 kg/m²) of slag 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 IV Pak-Free Asphalt quantities for waterstop/tie-offs, flashings, miscellaneous detail applications and minimum kettle capacity are not included in interply and flood coat application rates.

Precautions: Use Premium IV Pak-Free Asphalt with adequate ventilation. Users must read and follow container labels and Material Safety Data Sheets for instructions for health and safety precautions prior to and during 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 preventative maintenance are all part of a sound roof program.

Physical Performance Characteristics

Premium IV Pak-Free Asphalt

Property	Premium IV	Test Method
Softening Point	215 – 225°F (101 — 107°C)	ASTM D 36
Penetration @ 77°F	15 – 25 dmm	ASTM D 5
Flash Point, min	525°F (274°C)	ASTM D92
Ductility @ 77°F	1.5 cm	ASTM D113
EVT (125 cP)	425-475°F (218 — 246°C)	ASTM 4402

Guarantee/Warranty: Tremco Inc. warrants Premium IV Pak-Free Asphalt to be free of defects and to meet published physical properties when tested according to ASTM and Tremco standards. Under this warranty, any Premium IV Pak-Free Asphalt product that is proved to be defective when applied in accordance with Tremco's 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. 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 or its Representatives practice architecture or engineering, Tremco offers no opinion on, and expressly disclaims any responsibility for the soundness of any structure or any components below the building structure on which its products may be applied. If questions arise as to the soundness of a structure, its ability to support a planned installation properly, or whether material below the structure will be disturbed, the Owner should obtain the opinion of competent structural engineers before proceeding. Tremco accepts no liability for any failure of the structure or material below the structure or for resultant damages, and no Tremco Representative is authorized to vary this disclaimer.



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