

Premium IV Pak-Free Asphalt

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

FEATURES

Consumable packaging
Quality controlled product
UL & FM Approved

BENEFITS

- Less packaging waste
- Consistent performance values
- Fire/wind protection

DESCRIPTION

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.

BASIC 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.

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

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, 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.

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APPLICATION

CONTINUED

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*	FACER
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.

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:	FELT	LB/100 FT ² *
	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.**

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.

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.

SURFACING OPTIONS

APPLICATION RATE

Premium IV Pak-Free Asphalt

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. Isocyanurate insulations must be overlaid with either 1/2" (13mm) fiberboard, 3/4" (19mm) fibrous glass, or 1" (25mm) perlite (minimum thickness).
- 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.

PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUE	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

PRECAUTIONS

Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.

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.

TECHNICAL SUPPORT

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 service of the Tremco Service Staff.



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