



Between the World
and The Weather
Since 1928

Poly-Felt 125VP Polyester Reinforcement Fabric

DESCRIPTION

Barrett Poly-Felt 125VP is a unique lightweight thermally bonded spunlaid non-woven fabric reinforcement, made from bicomponent filaments with a polyester core and a polyamide (nylon 6) skin. Its continuous filament manufacturing process provides an isotropic fabric with excellent strength-to-weight ratio.

Poly-Felt 125 VP reinforcement demonstrates excellent thermal stability and is ideally suited for use with Barrett's Ram-Tough 250 hot fluid rubberized asphalt waterproofing systems. A unique condensing process during manufacture provides optimum fiber distribution to enhance bitumen "bleed-through" saturation from both top and bottom during application. These characteristics allow for the construction of a completely monolithic waterproof membrane, with all levels of bitumen connected with fibrous reinforcement, forming a tough, homogeneous protective waterproofing assembly.

USES

- Ply Sheet for Ram-Tough 250 (DM) Double Membrane Systems
- Suitable for repair work on bituminous roofing systems.

FEATURES

- Strength - withstands the stresses associated with water proofing applications
- Flexibility and Thermo-conformability - can be "molded" to irregular substrates
- Fatigue Resistance - withstands long-term thermal cycling
- Durability - State of the art polyester reinforcing coupled with the unique waterproofing properties of Ram-Tough 250 bitumen offers the ultimate in waterproofing assemblies

BENEFITS

- Versatility - Strength, flexibility, ease of application make PolyFelt 125 VP an ideal component for new construction and restoration when used in conjunction with Barrett's Ram-Tough 250 waterproofing system.
- Ease of Application - PolyFelt 125 VP accommodates most substrates, angles, and curves, making applications faster and easier than more rigid fiberglass reinforcement products.

PACKAGING

Roll Size - 39.4 in x 375 ft (1000 sq ft. coverage)
(1m x 114.3 m) (92.9 m² coverage)
Roll Weight - 22 lbs. (9.98 kg) per roll
Rolls per Pallet 25

TYPICAL PHYSICAL PROPERTIES

Property	Test Method	Typical Results
Mat Weight oz /sq. yd.	-	2.2 (62.4 g)
Color	-	Gray
Thickness, mils.	ASTM D-1777	16 (.406 mm)
Tensile Strength		
Warp (MD) lbs./in.	ASTM D-5034	78 (35.4 kg)
Fill (CMD) lbs./in.	ASTM D-5034	85 (38.6 kg)
Elongation at Break		
Warp (MD) lbs./in.	ASTM D-5034	58 (26.3 kg)
Fill (CMD) lbs./in.	ASTM D-5034	54 (24.5 kg)
Trapezoid Tear		
Warp (MD) lbs./in.	ASTM D-1117	23.8 (10.8 kg)
Fill (CMD) lbs./in.	ASTM D-1117	24.9 (11.3 kg)
Puncture lbs.	ASTM D-4830	31 (14.1)

APPLICATION GUIDELINES

When assembling a Ram-Tough 250 waterproofing membrane, Poly-Felt 125 VP reinforcement is to be installed into the base coat of the hot fluid applied Ram-Tough 250 bitumen while it is still hot and tacky. Side laps shall be 2 inches (51 mm) and end laps 6 inches (152 mm).

Standing off to the side of the sheet, use a broom or a squeegee to press the Poly-Felt 125VP into the hot bitumen using care not to create wrinkles or fish-mouths. If the sheet is not set straight and begins to run off a true straight line, cut the roll and reset it, overlapping the end sheet by 6 inches (152 mm).

Poly-Felt 125 VP must fully embedded in and top coated with rubberized asphalt. In no place shall one ply of fabric touch another.

Do not leave Poly-Felt 125 VP exposed overnight or to inclement weather.

APPLICATION PRECAUTIONS

- For exterior use only
- Do not apply to wet or damp surfaces
- Do not use materials that have become wet or damaged
- Cover material stored outside with a full cover breathable tarp
- Follow all recommended application guidelines
- **READ MATERIAL SAFETY DATA SHEET BEFORE USING**
- **FOR PROFESSIONAL ROOFING CONTRACTOR USE ONLY.**

PRODUCT SAFETY INFORMATION

Poly-Felt 125 VP polyester reinforcement fabric offers no unusual health or safety risks for a product of this nature. As with any roofing process, proper ventilation, clothing and eye protection is important.

For specific information, contact the Barrett Company for a current Material Safety Data Sheet on this product.

The user should not assume that all safety measures are indicated or that other measures may not be required.

Note

Metric conversions are rounded and may not be exact.

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