



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)  
Roll Weight - 22lbs. per roll  
Rolls per Pallet 25

## TYPICAL PHYSICAL PROPERTIES

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

## 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 and end laps 6 inches.

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.

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**

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