

PolyFelt 265VP

Polyester Reinforcement Fabric

(For Hot Elastomeric Built-up Roofing Applications)



Description

Barrett PolyFelt 265VP reinforcement is specifically engineered for premium high performance roofing. It is a spun-bond polyester reinforcement fabric made with a continuous filament and needlepunched. The manufacturing process provides isotropic properties with excellent strength-to-weight ratio.

Most polyester reinforcements use low melting-point binders. PolyFelt 265VP is bonded with a heat resistant, cross-linked acrylic binder, providing excellent thermal stability. It is uniquely suited for use with hot asphalt applications. A condensing process during manufacture provides optimum fiber distribution and mat thickness which enhances bitumen "bleed-through" saturation from both top and bottom during application. These characteristics create a completely monolithic waterproof membrane, with all levels of bitumen connected with fibrous reinforcement, forming a tough, homogeneous, multi-ply, redundant waterproofing assembly.

Uses

- Ply Sheet for Ram-Tough Elastomeric Built-up Roofing
- Ply sheet for enhanced BUR systems
- Suitable for repair work on bituminous roofing systems
- Backer-sheet for composite base flashing systems

Features

- Toughness and Strength - Four plies provides strain-energy that is more than 42 times greater than 4 ply fiber glass built-up membranes.
- Flexibility and thermo-conformability - can be "molded" to irregular substrates with hot asphalt.
- Fatigue Life - withstands daily expansion and contraction due to thermal cycling, better than rubber.
- Triple the puncture and tear resistant of fiberglass sheets
- Durability - State-of-the-art polyester reinforcing, coupled with the unique waterproofing properties of Barrett's elastomeric roofing bitumens, offers a "no compromise" roofing assembly.

Benefits

- Versatility - Strength, flexibility, ease of application make PolyFelt 265VP an ideal component for new construction, reroof, restoration and greenroof applications.
- Ease of Application - PolyFelt 265VP accommodates most substrates, angles, and curves, making applications faster and easier than more rigid fiberglass reinforcement products.
- Faster Installation - Lightweight rolls require less handling for more applied roofing. For each 10,000 sq. ft. of 4 ply roofing, a fiberglass assembly requires 80 rolls, weighing 5,200 lbs. Poly-Felt 265VP requires 40 rolls, weighing only 1600 lbs., significantly reducing labor handling costs.

Typical Physical Properties	
Test	Typical Values
Basic Weight	170 gm/m
Mat Weight, oz/sq. yd.	5.1
Thickness, mils	26
Strip Tensile, lb/in	
MD	73
CD	42
Strip Elongation, %	
MD	40
CD	35
Shrinkage @ 392F. %	
MD	0.9
CD	-0.20
Trap Tear Strength, lb	
MD	33
CD	22
Color	Black

Application Guide

When using PolyFelt in a built-up roof membrane assembly, all plies must be fully encapsulated in hot bitumen. In no place shall one ply of felt touch another. All felts are to be laid in shingle fashion, overlapping the previous sheet 27 inches (12-1/2 inch exposure) for a 3 ply membrane and 30 inches (9-1/2 inch exposure) for a 4 ply membrane. End laps shall be minimum 6 inches and staggered a minimum of 18 inches between sheets.

When starting the PolyFelt installation, apply the appropriate starter strips to achieve the proper ply count throughout the membrane installation.

To insure total adhesion, all felts shall be broomed or pressed into the bitumen while still hot.

Packaging

- Roll Size - 39.75 in. x 324 ft.
(1000 sq. ft. - approx. coverage)
- Roll Weight - 40 lbs. per roll
- Rolls per Pallet - 20
- Weight per Pallet - 800 lbs. (approx.)

Application Precautions

- Do not apply to wet or damp surfaces
- Do not use materials that have become wet or damaged
- Cover material stores 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

Barrett PolyFelt 265VP offers no usual 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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