

Description

DynaWeld Cap 180 FR is an elastomeric modified bitumen sheet. It incorporates the features of a tough, 170 g/m² (5.02 oz/yd²), nonwoven polyester mat and bi-directional glass scrim reinforcement. The total mat/reinforcement weight is 180 g/m² (5.31 oz/yd²). It is saturated and coated with a blend of SBS (Styrene-Butadiene-Styrene) polymer and high-quality asphalt. The elastomeric asphalt blend has full recovery properties after 100% elongation and lends a high degree of elasticity and flexibility to the sheet. The glass scrim-reinforced polyester mat provides good tensile strength, toughness and puncture resistance, and can accommodate stresses created by typical rooftop expansion and contraction forces. In addition, the glass scrim offers dimensional stability, not afforded by polyester-only reinforced products. The glass scrim-reinforced mat minimizes end lap creep after installation. The covering layer of ceramic-coated roofing granules provides durability along with superior resistance to damage from foot traffic. The back of the sheet has a polyolefin burn-off film for ease of heat welding.

Use

DynaWeld Cap 180 FR is designed for use as a quality modified bitumen sheet in UL® fire-rated, multiple-ply roofing systems. It is ideal for low-slope applications (inclines up to 3" [250 mm/m]). DynaWeld Cap 180 FR has excellent weatherability, durability and handling characteristics, and can be used both as a modified bitumen cap sheet or as a flashing material. This product is designed to be heat welded and should not be installed using hot asphalt or cold adhesive application techniques.



Advantages

- The polyester mat provides excellent puncture and tear resistance.
- The elongation and recovery properties of the SBS blend allow the product to easily accommodate the continual expansion and contraction strains experienced on all roofs.
- The product's flexibility and dimensional stability provide for ease of handling, resulting in quick installations.
- Fire-retardant formulation

Typical Physical Properties*

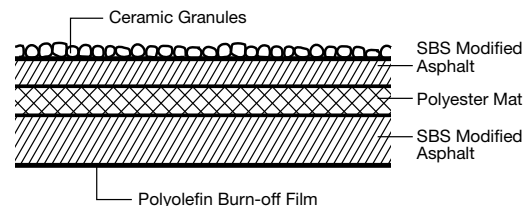
Material meets or exceeds the criteria for ASTM D 6164, Type I, Grade G.

Thickness	160 mil (4.06 mm)
Tensile Strength @ 0°F (-18°C)	
Machine Direction	125 lb force/in. width (21.9 kN/m)
Cross Machine Direction	95 lb force/in. width (16.6 kN/m)
Elongation @ 0°F (-18°C)	
Machine Direction	45%
Cross Machine Direction	45%
Tensile-Tear	
Machine Direction	120 lb/in. (21.0 kN/m)
Cross Machine Direction	105 lb/in. (18.4 kN/m)
Low Temperature Flexibility	-10°F (-23°C)
Dimensional Stability	
Machine Direction	0.70% change
Cross Machine Direction	0.60% change

* Material tested in accordance with ASTM D 5147 Standard Test Method for Sampling and Testing Modified Bituminous Sheet Materials.

Sizes

Roll size	100 ft ² (9.29 m ²)
Roll weight	100 lb (45.36 kg)
Roll length	32' 10" (10.01 m)
Roll width	39 ³ / ₈ " (1 m)



Refer to the Material Safety Data Sheet and product label prior to using this product.