

APPeX® 4.5M FR

Description

APPeX 4.5M FR is a fire-resistant APP modified bitumen sheet. It incorporates the features of a tough, nonwoven, polyester mat that is saturated and coated with a blend of APP (Atactic Polypropylene) polymer, high quality asphalt and fire-retardant additives.

APPeX 4.5M FR has a construction that provides an extremely durable sheet with excellent weathering properties. The premium APP asphalt blend is formulated to provide excellent physical properties for ease of installation and long-term roof performance.

The polyester mat provides good tensile strength, toughness and puncture resistance and can accommodate stresses created by typical rooftop expansion and contraction forces.

The covering layer of ceramic-coated roofing granules provides durability along with superior resistance to damage from weather and foot traffic. The white granular surface also provides heat reflectance. The back of the sheet has a printed polyolefin burn-off film adhered to a diamond-embossed, textured surface for ease of heat welding.

Use

APPeX 4.5M FR is designed for use as a premium modified bitumen cap sheet. UL Class A ratings may be obtained in numerous constructions, both new and reroof at slopes up to 1" per foot (83 mm/m). Because of its excellent weatherability, durability and handling characteristics, APPeX 4.5M FR may be used not only as a modified bitumen cap sheet but also as a flashing material. This product may only be installed using heat-welding application techniques.



Advantages

- The polyester mat provides excellent puncture and tear resistance
- The premium quality APP blend allows for excellent weathering characteristics
- The premium thickness sheet combined with the premium quality APP blend allows for the maximum overall sheet performance

Typical Physical Properties*

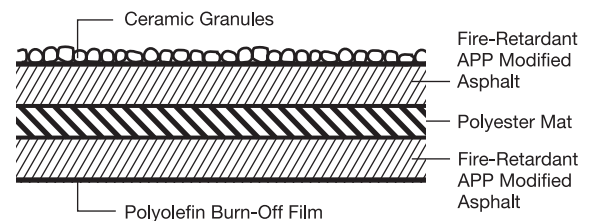
Material meets or exceeds the criteria for ASTM 6222, Type I, Grade G.

Thickness	180 mils (4.5 mm)
Tensile Strength @ 0°F (-18 °C)	
Machine Direction	155 lbs. force/in. width (27.1 kN/m)
Cross Machine Direction	106 lbs. force/in. width (18.6 kN/m)
Elongation @ 0°F (-18 °C)	
Machine Direction	38%
Cross Machine Direction	42%
Tensile-Tear	
Machine Direction	161 lbs./in. (28.2 kN/m)
Cross Machine Direction	141 lbs./in. (24.7 kN/m)
Low Temperature Flexibility	12°F (-11°C)
Dimensional Stability	
Machine Direction	0.90% 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	Approximately 1.0 square (10 m ²)
Roll weight	112 lbs. (50.8 kgs.)
Roll length	32' 10" (10.0 m)
Roll width	39 3/8" (1.0 m)



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