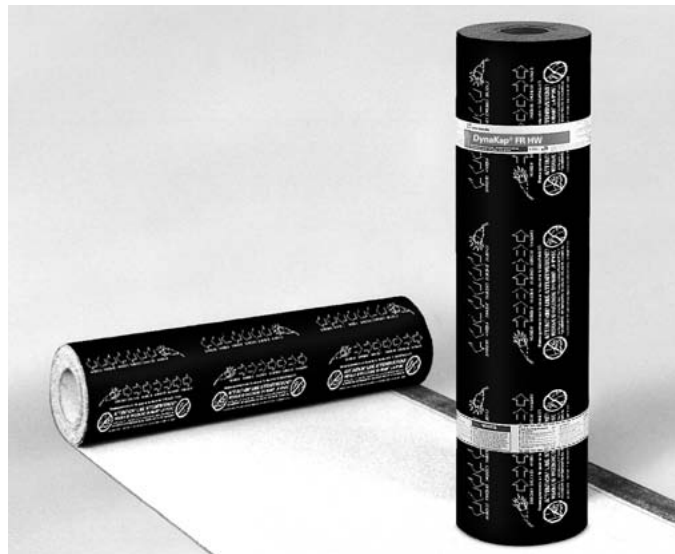


Description

DynaKap FR HW is a fire-resistant, elastomeric modified bitumen sheet incorporating the features of a strong composite fiber glass/polyester mat. The composite reinforcement is coated with a blend of SBS (Styrene-Butadiene-Styrene) rubber, high-quality asphalt and fire-retardant additives. The elastomeric asphalt blend has full recovery properties after 100% elongation and lends elasticity and flexibility to the sheet. The inorganic fiber glass reinforcement, in conjunction with the polyester, provides stability, toughness and puncture resistance to the product, and resists moisture absorption. The reinforcement also provides high tensile strength and affords better natural resistance to the other factors which affect roof performance. The covering layer of ceramic-coated roofing granules, black or white, provides durability along with superior resistance to damage from weather and foot traffic. The back of the sheet has a polyolefin burn-off film for ease of heat welding.

Use

DynaKap FR HW is designed for use as a premium modified bitumen multiple-ply roofing systems. It is ideal for low-slope applications (inclines up to 1/2" per foot [41.6 mm/m]). Because of its superior weatherability, durability and handling characteristics, DynaKap FR HW may be used both for a finished cap sheet and as a flashing material; however, we require using DynaFlex™ for flashing applications in many specifications. The product may only be installed using heat-welding application techniques.



Advantages

- Combining a superior composite reinforcement with a durable SBS blend ensures long-term performance in the harshest rooftop environments.
- The elongation and recovery properties of the SBS blend allows the product to easily accommodate the continual expansion and contraction strains experienced on all roofs.
- The exceptional weathering provided by its mineral surfacing, coupled with a tough, puncture-resistant fiber glass/polyester-composite reinforcement, enables the product to easily withstand the rigors of rooftop traffic.
- The product's flexibility and dimensional stability provide ease of handling, resulting in quick installations.
- Fire-retardant formulation

Typical Physical Properties*

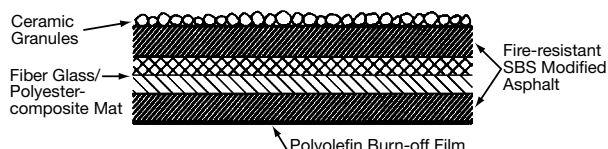
Material meets or exceeds the criteria for ASTM D 6162, Type II, Grade G.

Thickness	160 mil (4.06 mm)
Tensile Strength @ 0°F (-18°C)	
Machine Direction	150 lb force/in. width (26.25 kN/m)
Cross Machine Direction	125 lb force/in. width (21.88 kN/m)
Elongation @ 0°F (-18°C)	
Machine Direction	4.0%
Cross Machine Direction	4.0%
Tensile-Tear	
Machine Direction	150 lb/in. (26.25 kN/m)
Cross Machine Direction	125 lb/in. (21.88 kN/m)
Low Temperature Flexibility	-10°F (-23°C)
Dimensional Stability	
Machine Direction	0.20% change
Cross Machine Direction	0.20% 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	103 lb (46.72 kg)
Roll length	32' 10" (10.01 m)
Roll width	39 3/8" (1 m)



Code and Approvals



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