

Description

DynaKap is an 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 and high-quality asphalt. 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.

Use

DynaKap is designed for use as a premium modified bitumen sheet in multiple-ply roofing systems. It is ideal for low-slope applications (inclines up to ½" per foot [41.6 mm/m]), and is recommended for this application with Types III and IV asphalt. For slopes from ½" to 3" per foot (41.6 to 250 mm/m), only Type IV asphalt is recommended. Because of its superior weatherability, durability and handling characteristics, DynaKap 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. DynaKap may also be installed in JM MBR® Cold Application Adhesive. This product is not to 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 allow 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.

Typical Physical Properties*

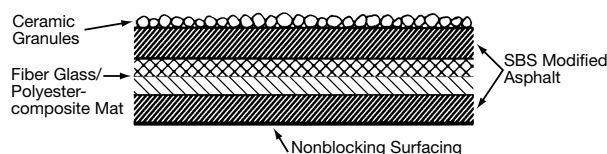
Material meets or exceeds the criteria for ASTM D 6162, Type II, Grade G.

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 ft² (9.29 m²)
Roll weight	102 lb (46.27 kg)
Roll length	32' 10" (10.01 m)
Roll width	39¾" (1 m)



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