

**Description**

DynaPly 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. This product does not have a surface finish and must be used in constructions that will provide protection from UV (ultraviolet light) and the elements. A fine mineral parting agent is applied to both sides of the product.

**Use**

DynaPly is designed for use as a top modified bitumen sheet in multiple-ply roofing systems where additional surface treatment is required, i.e., Protected Roof Membranes, systems surfaced with asphalt and gravel or protective coatings. It is ideal for low-slope applications (inclines up to 1/2" per foot [41.6 mm/m]), and is recommended for this application with Types III and IV asphalt. For slopes from 1/2" to 3" per foot (41.6 to 250 mm/m), only Type IV asphalt is recommended. DynaPly 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 combination of a tough, puncture-resistant fiber glass/polyester-composite reinforcement allows 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\***

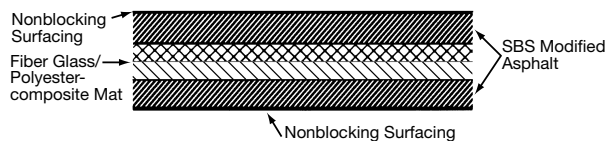
**Material meets or exceeds the criteria for ASTM D 6162, Type II, Grade S.**

Thickness	125 mil (3.18 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 <sup>2</sup> (9.29 m <sup>2</sup> )
Roll weight	87 lb (39.46 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.