



DynaClad® Copper

Description

Johns Manville (JM) DynaClad Copper is a copper-surfaced, elastomeric, modified bitumen membrane. It incorporates the features of a woven fiber glass reinforcement that is saturated and coated with a blend of SBS (Styrene-Butadiene-Styrene) polymer and high-quality asphalt.

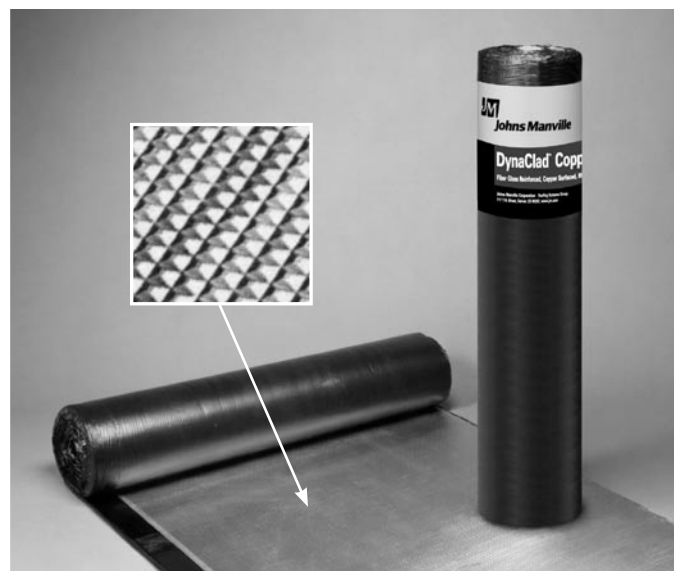
DynaClad Copper has a construction that provides an extremely durable sheet with excellent weathering properties. The covering layer of embossed copper provides durability along with superior resistance to damage from weather and foot traffic.

Use

DynaClad Copper is designed for use as a premium, modified bitumen sheet either as a cap sheet or as a flashing membrane. As a flashing material, DynaClad Copper is installed in a two-ply system over a base layer of DynaBase®. UL® Class A ratings may be obtained in numerous constructions for both new and re-roof up to unlimited slope. DynaClad Copper may only be installed using heat-welding application techniques.

Advantages

- The embossed copper surface provides high reflectivity, reducing heat load on the roof membranes and potentially lowering air conditioning energy costs.
- The woven fiber glass reinforcement mat provides good tensile properties, dimensional stability, puncture and tear resistance.



- The premium quality SBS blend allows for excellent weathering characteristics.
- The product's flexibility provides for ease of handling and quick installation.



Typical Physical Properties*

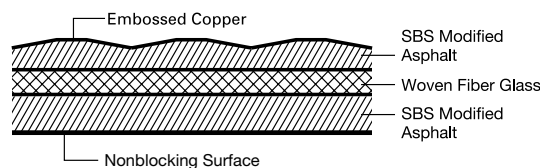
This product meets or exceeds the criteria for ASTM D 6298.

Thickness	160 mil (4.06 mm)
Tensile Strength @ 0°F (-18°C)	
Machine Direction	185 lb force/in. width (32.38 kN/m)
Cross Machine Direction	175 lb force/in. width (30.63 kN/m)
Elongation @ 0°F (-18°C)	
Machine Direction	4%
Cross Machine Direction	4%
Tensile-Tear	
Machine Direction	185 lb/in. (32.38 kN/m)
Cross Machine Direction	185 lb/in. (32.38 kN/m)
Low Temperature Flexibility	5°F (-15°C)
Dimensional Stability	
Machine Direction	0.20% change
Cross Machine Direction	0.20% change
Emissivity (ASTM E 408)	0.085
Reflectivity	74%

* 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	111 lb (50.35 kg)
Roll length	33' 6" (10.21 m)
Roll width	39 3/8" (1 m)



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