

**JM Ice and Water Guard™**

**Description**

JM Ice and Water Guard is a self-adhering membrane composed of a rubberized asphalt roofing sheet with a strong inorganic glass mat for reinforcement. The top surface is embedded with fine inorganic granules. The back is covered with an easy-to-remove plastic release film. JM Ice and Water Guard is available in 1 and 2 square rolls.

**Use**

JM Ice and Water Guard is used under shingles, slate, shakes, tiles, etc. to prevent leaks and damage to decking and internal structures from wind blown rain, water backup due to ice dams in cold weather and gutter debris such as pine needles and leaves. JM Ice and Water Guard is especially effective on low slope roofs.

JM Ice and Water Guard is also used as a vapor barrier for roofs, walls and floors. It can be used as a concealed flashing on roof ridges, in valleys, around chimneys and penetrations, and where the base edge of a higher wall or parapet meets a roof surface.

**Application**

**Surface Preparation:** Remove dust, dirt, and all sharp protrusions. For reroofing, remove old shingles, roofing felts, damaged decking and all nails. Prime concrete or masonry surfaces. Johns Manville Concrete Primer should be applied at a rate of 250-300 sq. ft./gal. (6.1 - 7.4 m<sup>2</sup>/l). No primer is necessary on wood.

**Temperature:** Apply JM Ice and Water Guard only when air and surface temperatures are above 40°F (5°C).

All ends must be overlapped a minimum of 6" (152 mm) and all edges must be overlapped a minimum of 4" (102 mm). The membrane should not be folded over the edge of the roof unless it will be covered by a gutter, metal edge, or other flashing material.



**Advantages**

- Fast, easy installation with no heat or special adhesives required
- Scored release liner allows applicator to remove a strip and align roll before removing remainder of release liner
- Ensures a smooth, wrinkle-free application
- Self-sealing around nails to assure water tight integrity
- Invisible because it is concealed by the finished roof
- Pliable-durable and will not dry out, crack or rot
- Can be used in ridges and in valleys around chimneys and penetrations
- Suitable for use as an underlayment in approved applications where the temperature reaches 200°F (93°C)

**Typical Physical Properties**

**JM Ice and Water Guard meets or exceeds the requirements of ASTM D 1970 and ICBO.**

Thickness Exposed Surface . . . . .	63 mils (1.6 mm)
Breaking Strength – MD . . . . .	60 lbf/in (10.5 kN/m)
Breaking Strength – CMD . . . . .	50 lbf/in (8.8 kN/m)
Flexibility Temperature . . . . .	-22°F (-30°C)
Tear Resistance	
Longitudinal . . . . .	40 lbf (7.0 kN/m)
Transverse . . . . .	34 lbf (6.0 kN/m)
Water Absorption . . . . .	0.05%
Thermal Stability . . . . .	0.05 in (1.3 mm)
Water Vapor Transmission . . . . .	001 U.S. Perms
Elongation . . . . .	15.0%

**Sizes**

Roll width (nominal) . . . . .	3 ft. (0.92 m)
Roll size . . . . .	1 square (9.3 m <sup>2</sup> )
	2 squares (18.6 m <sup>2</sup> )
Roll length . . . . .	1 square 33' 6" (10.2 m)
	2 squares 67' (20.4 m)
Rolls per carton . . . . .	1
Nominal thickness . . . . .	63 mils (1.6 mm)

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