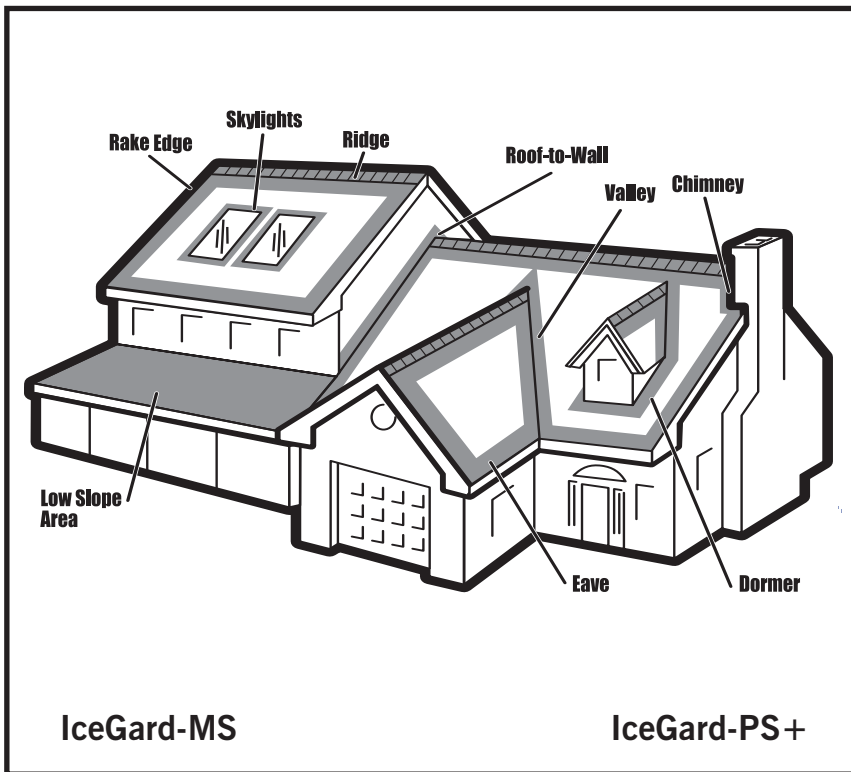


ICEGARD™

All-Climate Self-Adhering Underlayment
 Protection against water penetration from ice damming and wind-driven rain.



FEATURES:

- Manufactured with SBS-modified asphalt.
- Fiberglass-reinforced.
- IceGard MS has a mineral surface.
- IceGard PS+ has a slip-resistant, polymeric surface.
- Split release sheet for ease of application on both MS & PS+.
- Adheres to wood and concrete surfaces*.
- Meets all criteria for ASTM D1970.
- 30 year limited warranty.

USAGE:

- Protection against ice damming and wind-driven rain.
- Ideal for low-slope and roof-to-wall intersections.
- Protects valleys, ridges and perimeters.

PACKAGING:

- Roll Size: Two Square 36" x 66' 8" (0.91m x 20.3 m)
- Approximate Thickness:
MS = 60 mils/PS+ = 40 mils
- Pallet:
25 rolls per pallet

APPROVALS:

- Class A approved under Class A fire-rated composition roofs (L26541).
- ICCES ER-5696
- FBC 2369
- IRC/IBC

* Not warranted over concrete

Elk IceGard MS is a self-adhering roofing underlayment. It is designed to provide superior protection from roof rot and decomposition in a range of environments. This mineral surfaced, SBS-modified asphalt membrane is skid resistant. Its flexibility makes it a perfect cold weather product in protecting against water penetration from ice damming and wind-driven rain. Elk IceGard PS+ retains the same benefits as Elk IceGard MS, but is manufactured with a special, polymeric slip-resistant surface. These superior self-adhering products are ideal for application in eaves, valleys, ridges, skylights, chimneys, vent stacks, dormers, low-slope and roof-to-wall intersections. For technical information, contact 888.743.4527.

Plant Location:
 3441 S. Willow Ave.
 Fresno, CA 93725
 559.499.2222



Application Instructions

- Apply directly to plywood, wood composition board and wood plank.
- Deck must not have voids or areas that are not supported.
- Deck must be clean and dry.
- In eave applications, membrane must extend 2' (0.61 m) inside the exterior wall or above the highest expected level of ice dams or whichever is greater.
- Adhesion will be affected if deck is not free of old roofing material and foreign matter.
- IceGard MS is not recommended for use directly under metal roofs. Contact Technical Services 888.743.4527 for alternative installation methods.
- For wind driven rain, full coverage may be applied.
- Always start from the lowest point on roof deck.
- Pre-cut membrane into workable lengths 10' to 15' (3 m to 4.6 m).
- Align the membrane on the lower edge of roof.
- Remove one side of split release film from under the membrane and set membrane firmly into place.
- Remove other side of split release film and set firmly into place.
- Make sure membrane is applied over the area to cover the highest point of ice damming.
- Membrane must cover at least 2' (0.61 m) into living area.
- Where nailing is needed for steep slope applications, backnail and cover nails by overlapping with the next sheet.
- Valley and ridge applications, peel back the release film, center the sheet over the valley or ridge and press firmly into place. Always start from the lowest point on valley applications.
- End laps must be at least 6" (152.4 cm) and side laps must be at least 3" (76.2 mm).
- All surfaces must be dust free and dry.
- For best adhesion, apply in 50° F (10° C) or warmer weather.
- IceGard MS/PS+ must be covered. Do not leave exposed for more than 30 days.

ELK ICEGARD - TECHNICAL DATA

PROPERTY	TEST METHOD	TYP. VALUE MS	TYP. VALUE PS+
Peel Strength (overlap)	ASTM D903	7.2 lb./in. of width	7.134 lb./in. of width
Adhesion to Plywood	ASTM D1970	49.4 lb./ft. of width	49.01 lb./ft. of width
Adhesion to Primed Steel	ASTM D1970 (C 794-80)	10.7 lb./ft. of width	12.30 lb./ft. of width
Water Vapor Transmission	ASTM E96	.016 g/hr/m ²	.010 g/hr/m ²
Tensile Strength	ASTM D1970	M.D. 35 lb/in (Pass) C.D. 27 lb/in (Pass)	M.D. 35 lb/in (Pass) C.D. 29 lb/in (Pass)
Tensile Strength after UV Aging	ASTM D1970	M.D. 36 lb/in (Pass) C.D. 27 lb/in (Pass)	M.D. 37 lb/in (Pass) C.D. 29 lb/in (Pass)
Tensile Strength after UV Aging Following Acc. Aging	ASTM D1970	M.D. 39 lb/in (Pass) C.D. 25 lb/in (Pass)	M.D. 35 lb/in (Pass) C.D. 28 lb/in (Pass)
Fire Test	ASTM E108	Pass	Pass

APPROVALS

Class A approved under Class A fire-rated composition roofs.
(Warnock Hersey International L26541)

ICCES ER-5696, FBC 2369, IRC/IBC

Notes:

- Stand on end. Do not lay flat.
- Store in cool, dry area out of direct sunlight.
- Rotate stock-use within one year of manufacture date.
- Material should be unrolled, exposed to sunlight and allowed to relax prior to installation.