



Jiffy Seal® Ice & Water Guard Extreme  
Self-Adhered Roofing Underlayment for Use in  
Extreme Cold and High Temperature Applications

TECHNICAL DATA

Properties	Test Method	Test Results
Surface Color		Blue / White
Thickness		19 mils
Weight		22 lbs per roll
Air Permeance Test	ASTM E2178	Measured Air Flow (L/s/m <sup>2</sup> ) @ 75Pa 0.00005 avg
Tensile Strength	ASTM D412	MD = 101.4 lbs / CD = 77.25 lbs
Elongation	ASTM D412	MD = 20.96% / CD = 27.33%
Puncture Resistance	ASTM E154	189.8 psi / 29.85% Deflection / 31.7 psi load at distance trap
Low Temp Flex	ASTM D1970	No cracks or delamination Pass @ -20°F
Nail Sealability	ASTM D1970	Pass
Adhesion to Plywood	ASTM D903	3.8 pli
UV Exposure period		6 months
Moisture Vapor Transmission / Permeance	ASTM E96	Procedure A (desiccant) MVT (grams/m <sup>2</sup> /24hr) avg = 3.239 Permeance (Perms) = 0.272 perms avg.  Procedure B (water) MVT (grams/m <sup>2</sup> /24hr) avg = 6.523 Permeance (Perms) = 0.937 perms avg. (For Canadian Standards)
Installation Temperature		-20°F/-28°C to 125°F/51.6°C*
In-Service Temperature		-45°F/-42°C to 300°F/148.9°C

**PACKAGING**

36" x 66' roll (198 SF/Roll)

**DESCRIPTION**

**Jiffy Seal Ice and Water Guard Extreme** is a cold applied, self-adhering membrane composed of a proprietary slip resistant, tri-layer, woven polypropylene fabric coated on one side with a layer of proprietary Super Stick, synthetic butyl high temperature adhesive.

**FEATURES**

- Proprietary Super Stick, synthetic butyl high temperature adhesive
- IAPMO ER-613 listed
- Complies with ICC AC48 requirements
- Can be applied down to -20°F/-28°C
- In-Service temperature up to 300°F/148.9°C

## FEATURES, cont'd

- Split release liner for easy application
- 6 month UV exposure rating
- Fully adhered system
- Primer-free application
- Does not require heated storage
- Proprietary slip resistant surface for added footing safety
- Seals around properly installed fasteners
- No VOC's, HFCC's, nor CFC's
- Compatible with and will adhere to most construction surfaces, wood, concrete, CMU Block, OSB, Plywood, glass mat exterior sheathing products, foam insulation board, ICF, metal, TPO and EPDM
- Can be installed Horizontally or Vertically (as code allows)
- Can be installed on roof pitches down to 2"/12", for lower slopes contact your Protecto Wrap Representative

## USES

A Self-Adhered Roofing Underlayment for use in Extreme Cold and High Temperature applications as a complete waterproof roofing underlayment. Can be used on new and replacement roofs and under most roof coverings. Designed for use in extreme cold temperatures at low slope areas, hip, ridge, valleys, rake edges, confined rake edges, around skylights and chimneys.

## LIMITATIONS

Not recommended for roofs that exceed 300°F/148.9°C operating temperature.  
Not recommended for use on roof slopes less than 2"/12" (without approval).  
Not recommend for use over granulated surfaces or existing roof coverings.  
Not recommended for use over or in contact with PVC roof membranes.

## SHELF LIFE

**Jiffy Seal Ice and Water Guard Extreme** maintains optimum initial adhesion to substrates when used within two years from the date of manufacture.

## STORAGE

**Jiffy Seal Ice and Water Guard Extreme** should be stored in the original, unopened container, storage area should remain dry and out of direct sunlight. Do not remove materials from original containers until ready for use. Do not double stack pallets. Do not store rolls on end.

## PREPARATION

Roof deck surface shall be clean, dry and free of any foreign materials. The roof deck surface shall be free of gaps, sharp edges and protrusions. Do not walk on surface when wet or covered with frost as there is an increased risk of injury.

Metal surfaces may need to be solvent wiped and/or abraded to achieve optimum adhesion.

On vertical applications at roof to wall intersections, all surfaces shall be clean, dry and free of any foreign materials. The surface shall be free of gaps, sharp edges and protrusions.

Protecto Wrap Company recommends testing substrates for adhesion prior to full application of membrane. If adhesion to substrate is found to be marginal or does not bond, contact a Protecto Wrap Company representative.

## APPLICATION

**Jiffy Seal Ice and Water Guard Extreme** can be installed on any exterior grade solid sheathing normally used for roof decking. Install membrane such that all laps shed water in both vertical and horizontal installations. Valleys require a minimum 18" wide roll of **Jiffy Seal Ice and Water Guard Extreme** centered down the full length of the valley. The valley strips should be applied prior to the field membrane application. **DO NOT LACE MEMBRANE THROUGH THE VALLEY!**

Install membrane starting at the lowest point of roof slope and work up the slope.

Position the roll into the desired location, roll out the membrane and cut to length as needed, the field membrane should not extend past the center line of the valley.

## **APPLICATION, cont'd**

Align the roll with edge of eave or overlap of preceding roll, pull membrane tight, start by removing a 1 to 2 foot portion of the release liner and adhere to roof deck (reposition as needed prior to removing the remaining release liner).

Lift the opposing end of the membrane and remove or strip the release liner, pulling it to one side, keep membrane aligned and tight, adhere membrane to the roof deck while another person brooms the sheet flat.

Edge laps are 3" minimum and end laps are 6" minimum. All laps should be firmly pressed or rolled to ensure a positive seal.

### **VERTICAL APPLICATION** (at roof to wall interfaces)

In the case of a roof to wall transition we recommend sealing the terminal edge of the membrane on the wall with Protecto Sealant 25XL or JS 160H Mastic (or equal) to prevent moisture from migrating behind the membrane. Cut membrane to length, apply to substrate and firmly roll into place using a hand roller (J-roller, Laminator roller) to smooth out any wrinkles, air bubbles or creases that would allow water to migrate behind the membrane.

### **CLEAN UP**

Dispose of waste in accordance to local requirements. Control worksite so that boxes and release liner do not present a hazard. Packaging materials and release liner can be recycled.

### **CAUTION**

**Jiffy Seal Ice and Water Guard Extreme** should not come into contact with solvent based products, polysulfide's and plasticized PVC roofing membranes.

**Jiffy Seal Ice and Water Guard Extreme** incorporates a slip resistant surface; however, Protecto Wrap Company recommends the use of appropriate fall protection when installing roof underlayments.

**Jiffy Seal Ice and Water Guard Extreme** is a waterproof, air barrier/ class II vapor retarder; spaces under the area covered must be properly vented.

**The release liner is slippery. Make sure to remove from the roof/work area immediately after membrane application. Release liner on the ground should be immediately picked up and disposed of in accordance with local requirements.**

### **LIMITED WARRANTY**

This product is covered by the Protecto Wrap Standard 10 Year Limited Warranty.

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