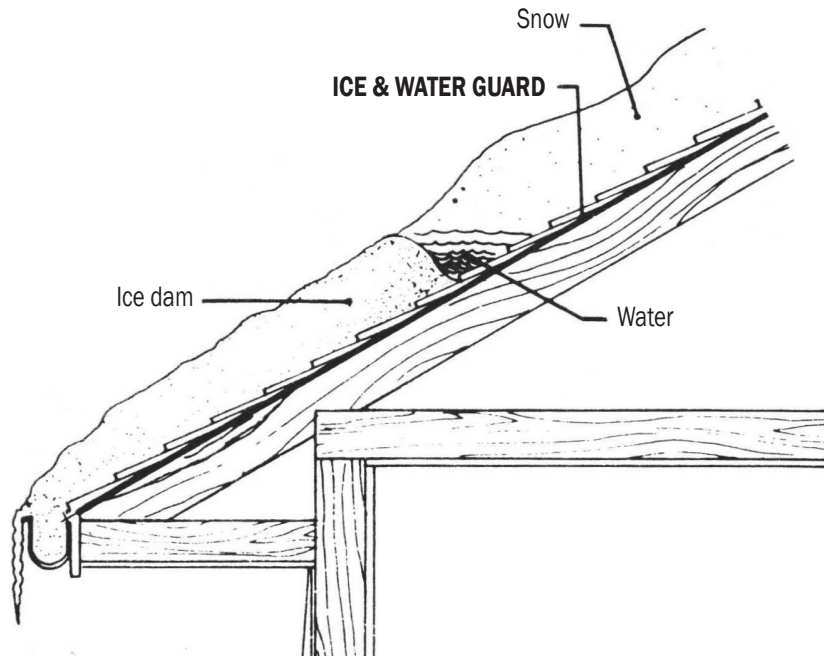




ICE & WATER GUARD™

Roofing Underlayment



Protecto Wrap's Answer to the Roof Ice Dam Problem

An important and proven Protecto Wrap product, Jiffy Seal Ice & Water Guard, is a tough, pliable sheet membrane designed to prevent moisture penetration and interior damage from water back up caused by roof ice dam buildup during the winter season or by wind driven rain.

Protecto Wrap's Jiffy Seal Ice & Water Guard, is used as a complete waterproof roofing underlayment to prevent moisture penetration and interior damage from water back up caused by roof ice dam buildup on new and retro-fit* roofs, under most roof coverings. Designed for use at low slope areas, hip, ridge, valleys, rake edges, confined rake edges, around skylights and chimneys.

DESCRIPTION:

Jiffy Seal Ice & Water Guard is a cold applied, self-adhering membrane composed of a non-woven fabric reinforcement coated on both sides with a Proprietary asphalt hybrid adhesive to provide good bonding characteristics to both the substrate and roof covering.

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

Note: If deck surface cannot be cleaned to a like new surface or the deck is damp or below 40°F (4°C), primer should be used prior to the application of the membrane. Refer to: Technical Letter Primer Selection for more information.

FEATURES & BENEFITS

- Proprietary asphalt hybrid adhesive
- 30 day exposure rating
- Fully adhered system
- Seals around properly installed fasteners
- 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)
- Will not rot or decay
- Resistant to fungus and bacteria growth

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AVAILABLE SIZES:

- 30" x 75' Roll
- 60" x 75' Roll

APPLICATION:

Jiffy Seal Ice & Water Guard 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 & Water Guard centered down the full length of 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. Align the roll with edge of eave or overlap of preceding roll. Pull membrane tight. Start at one end of the roll, press firmly or roll to adhere to the roof deck surface, reposition as needed, roll or broom the membrane flat to ensure adhesion. Remove the 2 1/2" "zip strip" at

edge of roll to provide a self-adhering overlap for next course. Continue application until sufficient number of courses has been placed to reach beyond the highest expected level of ice dam. Edge laps are 2 1/2" and end laps are 4" minimum. The entire surface and all laps should be firmly rolled to ensure 100% contact to the surface.

Metal drip edges should be applied with a minimum 3" overlap on top of Jiffy Seal Ice & Water Guard, then an additional 6" wide strip of Ice & Water Guard should be applied 3" onto the drip edge and 3" onto the existing Ice & Water Guard.

* Additional methods and details can be found at www.protectowrap.com or call (800) 759-9727.

LIMITATIONS:

Not recommended for use under high temperature roofing applications (not recommended roofs that exceed 250°F (121°C) operating temperature). Not recommended for use on roof slopes less than 2"/12" (without approval). Not recommended for use over granulated surfaces or existing roof coverings. Not recommended for use over or near solvent based sealants. See Technical Letter Chemical Compatibility. Not recommended to be applied over uncured (wet) sealants or adhesives, even if compatible. Not recommended for use over or in contact with PVC or TPO type roof coverings.

SHELF LIFE:

Jiffy Seal Ice & Water Guard maintains optimum initial adhesion to substrates when used within one year from the date of manufacture.

STORAGE:

Jiffy Seal Ice & Water Guard should be stored in the original, unopened container at ambient temperatures between 40°F to 90°F (5°C to 32°C). 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.

Cold Weather Storage – products should be stored in original containers in a warm dry area between 40°F to 90°F (5°C to 32°C). Product should be kept warm a minimum of 24 hours prior to and just up to installation.

CLEAN UP:

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

CAUTION:

Jiffy Seal Ice & Water Guard should not come into contact with solvent based products, polysulfide's, plasticized PVC roofing materials or high concentrations of resins (pitch).

Protecto Wrap Company recommends the use of appropriate fall protection when installing roof underlayments.

Jiffy Seal Ice & Water Guard is an air/vapor barrier; spaces under the area covered must be properly vented.

LIMITED WARRANTY:

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

For warranty and additional information, please contact your Protecto Wrap Company Representative.

TECHNICAL PROPERTIES

PROPERTIES	TEST METHOD	TEST RESULTS
Color		Black
Thickness		40 mils
Tensile Strength	ASTM D882-A	1400 psi (internal reinforcing sheet)
Elongation (adhesive only)	ASTM D412	500%
Puncture Resistance	ASTM E154	>250 psi
Low Temp Flex	ASTM D1970	No cracks or delamination
Adhesion to Plywood	ASTM D903	4.5lb/in width (unprimed)
UV Exposure period		12 months
Permeance	ASTM E96	<.05
Installation Temperature		40°F to 120°F (5°C to 48°C)
In-Service Temperature		-45°F to 250°F (-42°C to 121°C)

DISCLAIMER: The Product Technical Data set forth above should not be construed so as to create any type of express or implied warranty in products sold by Protecto Wrap Company. The technical figures are merely average test values.



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