

UNITED ICE & WATER PROTECTOR

FEATURES

- ▶ Exceptional manufacturing process and quality control for a consistent product
- ▶ Self-adhering product for easy installation
- ▶ Anti-skid feature to keep workers safe
- ▶ Meets or exceed industry standards and residential/commercial codes
- ▶ All season installation
- ▶ Made in the USA

DESCRIPTION

United Ice & Water Protector is used as a shingle underlayment on critical areas such as eaves, valleys, ridges, dormers and skylights. United Ice & Water Protector protects roofing structures and the interior from water penetration caused by ice dams and wind driven rains. United Ice & Water Protector is a polymer modified asphalt membrane, fiberglass reinforced with a granular surface providing skid resistance during installation.

PREPARATION

Sweep roof deck to remove dirt and debris. The roof deck must be clean, smooth and free of moisture. If moisture is present it will limit or inhibit adhesion. On re-roofing, remove all old material from roof deck area to be covered with United Ice & Water Protector. Replace any damaged sheathing.

WEATHER CONDITIONS

Apply when air temperature is over 40° F (5° C) but below 100° F (38° C). If applied in temperatures below 40° F (5°C), United Ice & Water Protector is stiffer and will not fully seal until it is warmed. If applied in temperatures above 100° F (38° C), it may become difficult to remove the release poly backing. If this situation should occur, move product to shaded area until cool. Once cooled, the release poly backing can be easily removed.

INSTALLATION

United Ice & Water Protector is applied directly to the surface of the roof deck. See carton for complete instructions and precautions.

COLD WEATHER INSTALLATION: Mechanically fasten membrane to position until it has bonded to the roof deck.

PHYSICAL PROPERTIES	TEST METHOD
Slip Resistance	Asphalt Saturated Felt
Tensile Strength	ASTM D412
Elongation at Break (modified bitumen portion)	ASTM D2523
Moisture Vapor Permeance	ASTM E96
Adhesion to Plywood, 40°F	ASTM D1970/D903
Adhesion to Plywood, 73°F	ASTM D1970/D903
Tear Resistance	ASTM D4037
Sealability Around Nail	ASTM D1970
Low Temperature Flexibility	ASTM D1970
Waterproofing Integrity after Low Temperature Flex	ASTM D1970
Waterproofing Integrity of Lap	ASTM D1970

ADVANTAGES

- ▶ Protects structure from water seepage caused by wind driven rain and ice dams
- ▶ **Self-Sealing:** Seals around nails, staples and screws
- ▶ **Self-Adhering:** Bonds directly to the roof substrate
- ▶ **Skid Resistant:** Granular surface for safe and easy installation

APPLICABLE STANDARDS & CODES

- ▶ ASTM D1970
- ▶ ASTM E108/UL 790 (Class A Fire Resistance)#

PROPERTIES

Coverage: 1.95 SQ Roll Covers Approx. 195 SF

Packaging: 1.95 SQ Roll 36/Pallet.

Specification: ASTM D-1970

Approximate Roll Weight: 1.95 Square 50 Lbs.

Membrane Width: Membrane 36"

Membrane Length: 1.95 Square Roll 65.0 Feet

Membrane Thickness: 53 mils

Application Method: Self Adhering

Surface Composition: Granules

Membrane Reinforcement: Fiberglass Mat

Backing Material: Silicone Coated Release Film

LIMITATIONS

- ▶ Should not be applied over shingles or underlayment of any sort
- ▶ Should not be applied over damp surfaces
- ▶ Should not be left exposed to sunlight for more than 30 days (less if extreme heat conditions exist)
- ▶ Caution!! Surface can be slippery if wet or covered with frost

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UnitedAsphalt.com/underlayments