



ICE AND WATER Self-Adhered Roofing Underlayment

Roof underlay adhesive membrane consisting of a reinforced glass mat and sand covered surface which is slip resistant.

- Excellent resistance to temperature variations
- Excellent dimensional stability
- Easy Installation

PRODUCT PURPOSE

| | | |
|------------------|-------------------------------|-----------------|
| Application | Ice and water protector | |
| Building Part | Eaves, valleys and rake edges | |
| Types of Slope | Exterior steep slope | |
| Type of covering | Asphalt shingles | |
| Substrates | Plywood | Asphaltic panel |
| | OSB | |

PRODUCT CHARACTERISTICS

| | |
|------------------------|------------------------------------|
| Technology | SBS modified bitumen |
| Surface | Sand |
| Underface | Two parts silicone release film |
| Reinforcement | Glass mat |
| Installation Method | Self-adhesive |
| Operating Temperatures | -40 °C to 90 °C (-40 °F to 194 °F) |
| Maximum exposure | Cover as soon as possible |

PACKAGING

| Code | Width | | Length | | Thickness | | Selvedge Width | Net Area | | Brute Area | | Quantity (per pallet) |
|---------|-------|----|--------|------|-----------|------|----------------|----------------|-----------------|----------------|-----------------|-----------------------|
| | m | in | m | ft | mm | mils | | m ² | ft ² | m ² | ft ² | |
| WSIW195 | 0.91 | 36 | 20 | 65 | 1.35 | 53 | 75 | 16.53 | 177.96 | 18.1 | 195 | 36 |
| WSIW225 | 1.12 | 44 | 18.7 | 61.3 | 1.35 | 53 | 75 | 20.9 | 225 | 19.5 | 210 | 36 |

PROPERTIES




| Properties | | | STANDARDS | WSIW 195 / 225 |
|---|---------|--------------------------|------------|----------------------------------|
| Roll Weight | WSIW195 | Length: 20 m (65 ft) | - | 27 kg (59.6 lb) |
| | WSIW225 | Length: 18.7 m (61.3 ft) | | 39.9 kg (88 lb) |
| Tensile Strength, MD/XD | | | ASTM D1970 | 10.7 / 8.1 kN/m (61 / 46 lbf/in) |
| Ultimate elongation, MD/XD | | | ASTM D1970 | 16 / 14% |
| Tear Resistance | | | ASTM D1970 | 400 / 353 N (90 / 79 lbf) |
| Static Puncture | | | ASTM D5602 | 140 N (31 lbf) |
| Adhesion to Plywood, 24 °C (75.2 °F) | | | ASTM D1970 | 211 N/m (14.5 lbf/pi) |
| Thermal Stability, 14 days @ 70 °C (158 °F) | | | ASTM D1970 | <2.5 mm (<0.1 in) |
| Low Temperature Flexibility | | | ASTM D1970 | Pass at -29 °C (-20 °F) |
| Nail Sealability | | | ASTM D1970 | Pass |

For CCMC product evaluation in compliance with CSA A123.22-08, see CCMC Evaluation Listing # 13620-L
(All values are nominal)



WSIW195/225

INSTALLATION

| | | | |
|---------------------------------|--|--|--------------|
| Storage | Rolls should be stored upright, tape side up. If the products are stored outdoors, cover them with an opaque protective cover after removing the delivery packaging. Can withstand freezing but must be reactivated to at least 5 °C (41 °F) before installation. | | |
| Minimum Application Temperature | 5 °C (41 °F) | | |
| Complementary products | EXTERIOR PRIMER | OR H ₂ O PRIMER | |
| Tools Required |  Heavy roller |  | Tape measure |
| |  Knife | | |
| Surface Preparation | The substrate must be clean, dry and free of dust, grease or other contaminants. | | |
| Installation | <ol style="list-style-type: none"> 1. If conditions require, prepare the substrate with EXTERIOR PRIMER or H₂O PRIMER. 2. Position the membrane parallel to the roof edge while leaving about 8 cm (3.2 in) at the front where the gutter will be installed. 3. Fold the sheet over itself, by half of its width, or 50 cm (20 in) over the whole length already positioned. It is recommended to kneel on the unfolded portion of the membrane to keep it in place during this operation. 4. Remove the protective film from the folded section while placing the membrane on the support. The self-adhesive portion will adhere to the support. 5. Then take the other side of the membrane and repeat the previous two steps. 6. Immediately apply pressure on the membrane using a heavy metal roller or a hard rubber roller to ensure adhesion between the support and the membrane and avoid forming bulges, folds or gaps. <p>Note: The transverse and longitudinal overlap should be 75 mm (3 in).</p> <p>Refer to ROOF SYSTEM INSTALLATION for waterproofing membrane installation to roof details and upstands.</p> <p>Rolling or brooming the product to the deck is advised with special attention to seams. This is especially important if the roof is not to be finished immediately if inclement weather is in the forecast.</p> | | |
| Recommendations/ Limitations | It is not recommended to use a product containing bitumen directly on softwood boards or flexible polyvinyl chloride. Finishing membranes must be installed the same day as the application. Do not use under metal coatings. Do not apply directly onto wood planks, cover surface with plywood or OSB panels prior to the membrane application. | | |
| Warnings | Should be stored upright, protected from weather damage and UV rays. | | |

For UL product evaluation, see UL Evaluation ER-21824-01

