



AC Metal/Shingle Ice and StormSeal™

Self Adhesive Metal Roofing Underlayment

For Use Under Metal, Shingle, Slate or Tile Roofing

KEY PROPERTIES

- Superior Slip Resistant Surface
- Cooler Working Surface
- Thermally stable up to 260°
- 45 Day Exposure Time
- Self Adhesive & Cold Applied
- Rugged Barrier Against Foot Traffic

DESCRIPTION

AC Metal/Shingle Ice and StormSeal™ is a durable, self adhesive roofing underlayment. The strong, slip resistant, polyester surface provides a rugged barrier to physical damage, UV radiation, weather and moisture. The unique, modified asphalt adhesive layer offers the application benefits of cold temperature adhesion and exceptional thermal stability under high heat. The self adhesive layer is covered with a high temperature release sheet which is removed during installation.

AC Metal/Shingle Ice and StormSeal™ underlayment has a nominal thickness of 40 mils (1 mm) and is supplied in 200 sq. ft. (3' x 66.7') (.9 m x 20.3 m) rolls. The underlayment is self adhesive and cold-applied. No special adhesives, heat or equipment are necessary to install this product.

USES

AC Metal/Shingle Ice and StormSeal™ is an excellent underlayment for metal, shingle, tile or slate roofs. It helps prevent moisture entry into structures by sealing uniformly to the deck and around nail penetrations. The underlayment can serve as a temporary roof to help protect the structure until the primary roofing system is installed. The underlayment may be exposed for a maximum of 45 days.

APPLICATION

- AC Metal/Shingle Ice and StormSeal™ underlayment should be installed when ambient and substrate temperatures are 40°F (4.4°C) or higher. Sweep the deck surface to remove all dirt, dust, debris, and loose nails. Substrate must be clean, smooth, frost free and dry for at least 24 hours. Oriented Strand Board (OSB) may require priming.
- The underlayment should be installed directly to the structural deck and applied over the metal drip edge at the eave. Ensure metal drip edge is nailed properly. (The underlayment should be applied under the drip edge at the rake.) Cut the underlayment into manageable lengths, typically 10' - 12'. Align the underlayment parallel to the roof edge. Fold the underlayment away from the edge onto itself. Remove the release sheet. Place the underlayment with the exposed rubberized asphalt onto the deck, pressing firmly into place. Place metal drip edge over the underlayment. Overlap successive courses 3". End laps should overlap 6". On roof pitches over 6:12, it will be necessary to nail all overlaps of the underlayment 12" on center.

PHYSICAL PROPERTIES AC METAL/SHINGLE ICE and STORMSEAL™

PROPERTY	TEST METHOD	MINIMUM VALUES
Thickness, mils	D 5147	40 mils
Tensile Strength Longitudinal (MD) Transverse (CD)	D 412	25 lbf/inch 25 lbf/inch
Elongation at break	D 2523	10
Adhesion to plywood @ 40°F	D 903 / D 1970	2 lbf/foot
Adhesion to plywood @ 75°F	D 903 / D 1970	12 lbf/foot
Permeance	E 96	.1 (max)
Tear Resistance Longitudinal (MD) Transverse (CD)	D 4073	20 lbf 20 lbf
Low Temperature Flexibility	D 1970	Passed
Sealability around nail	D 1970	Passed
Waterproof integrity of lap seam	D 1970	Passed
Waterproofing integrity after low temperature flexibility	D 1970	Passed

DETAILS

- At vertical surfaces, AC Metal/Shingle Ice and StormSeal™ underlayment shall turn up a minimum of 8".
- At valleys, a continuous sheet shall be centered in the valley and overlapped by each course a minimum of 6".
- All roof penetrations shall be sealed with asphalt roof cement.
- When the underlayment is to be adhered to any metal surface, priming with asphalt primer is required.
- For added protection and to enhance end lap integrity, asphalt roof cement should be used under all side laps.

STANDARDS AND CODE APPROVALS

- ASTM D 1970 Standard Ice Dam Underlayment

SAFETY, STORAGE AND HANDLING

Pallets of AC Metal/Shingle Ice and StormSeal™ shall not be double stacked on the job site. Provide cover on top and sides, allowing for adequate ventilation.

WARRANTY - 10 YEARS

Warranty information is posted on www.nei-act.com



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The data contained herein, is considered to be true and accurate and is offered for the user's consideration, investigation and verification.

NEI does not warrant the results to be obtained

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