



WeatherMaster® Ice & Water 100 200 216

Granular Shingle Underlayment

Data Sheet

Product Information

WeatherMaster® Ice & Water products are self-adhesive composite underlayments. The adhesive layer is composed of a proprietary, SBS-modified asphalt reinforced with a fiberglass mat.

The granule surface provides excellent traction and protection from UV degradation and weathering. The self-adhesive side is covered with a split-release sheet which is removed during installation.

WeatherMaster® Ice & Water

WeatherMaster® Ice & Water provides a secondary layer of waterproofing protection needed to help prevent damage from ice dams and wind-blown rain. These self-adhering modified-bitumen underlayments create a watertight barrier by sealing to the deck and around nails to provide continuous protection year after year. WeatherMaster® Ice & Water helps protect the entire deck of a properly ventilated roof or just those problem areas where water collects or drainage is slow. And since it can go under any roofing material from asphalt shingles to tile, homeowners can enjoy maximum protection with the architectural look they want.

WeatherMaster® Ice & Water underlayment is self-adhesive and cold-applied. No special adhesives, heat, or equipment are necessary to install under normal dry conditions of 45°F or warmer.

Technical Data

Property	Test Method	Minimum Value
Mil Thickness	N/A	55 mil
Thermal Stability SAG-200°F (93°C)	ASTM C1970	Pass
Peel Adhesion	ASTM C794	Pass
Pliability, 14°F (-10°C), 1/8 90° Bend	ASTM D146	Pass
Water Vapor Transmission	ASTM E96	0.019 g/hr/sq.m. (max)
ASTM D1970	All	Pass

Dimensions

Product	Roll (ft²)	Roll Size	Rolls Per Pallet
WeatherMaster® Ice & Water 100	100	36" x 33.3'	49
WeatherMaster® Ice & Water 200	195	36" x 65'	25
WeatherMaster® Ice & Water 216	216	36" x 72.1'	25

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Features:

- SBS-modified asphalt coating helps seal around nails for a watertight result
- Self-adhesive backing seals directly to the deck
- Dual-modified asphalt provides superior granule adhesion
- Fiberglass mat is stronger and provides better tear resistance than saturated felt
- Aggressive bond at low temperatures, 45°F min
- 55-mil thickness, 38% above industry requirement
- Non-peel selvage edge
- High-temperature stability – 240°F
- UV protected surface – 45-day exposure

Benefits:

- Provides secondary water barrier.
- 2x more adhesion than industry standard.
- Extra roofing protection for vulnerable areas. Use for valleys, eaves, flashings, hips, ridges, and rakes, and around dormers and skylights.
- Can be used in new construction or in reroofing requiring a complete tear-off.
- Provides extra protection under any type of roofing: tile, wood shake, asphalt, slate, or metal.
- Helps extend the life of a roof system.

Codes & Compliances

- Underwriters Laboratories Class A and Class C Fire Rating (based on roof covering)
- ASTM D1970, Standard Ice Dam Underlayment
- Florida Building Code Approved - FL 17322
- Miami-Dade County Product Control Approved



General Instructions

For Roof Decks (Rakes and Eaves):

To begin, remove any dust, dirt, loose nails, or other protrusions from the roof deck. Remove all shingles, roofing felt, and nails from the deck of existing roofs. Apply WeatherMaster® Ice & Water 100, 200 or 216 underlayment only in fair weather when air surface temperatures are above 45°F and rising. Apply to dry surfaces only. Apply sheet parallel to the roof edge, extending over 1/4". Overlap edge seams 3", so that laps will shed water. End seams should be overlapped 6" and staggered. On steep-slope applications it may be necessary to spot nail the top edge of the membrane temporarily during the installation process. For wrinkle-free application, cut WeatherMaster® Ice & Water underlayment into 10- to 15-foot lengths and re-roll in reverse direction.

Peel back 1 to 2 feet of release paper. Align the sheet on the lower edge of the roof and adhere the first 1 to 2 feet. Pull the release paper from under the sheet and continue to peel it while pressing the sheet into place. Roll lower edges firmly with a wallpaper roller or other hand roller. For ice dam protection, WeatherMaster® Ice & Water underlayment must be applied to reach a point above the highest expected level of ice dams (minimum application at least to a height of 24" beyond the interior wall line). End laps should be overlapped 6" and staggered. When installing at temperatures below 45°F and on slopes above 8 in 12 — face nail in the overlap area at the top of the sheet at 12" O.C. Priming the deck may be necessary below 45°F.

For Valleys and Ridges:

Cut WeatherMaster® Ice & Water underlayment into 4- to 6-foot lengths. Peel the release paper and center sheet over valley or ridge. Drape and press sheet into place, working from the center of the valley or ridge in each direction. For valleys, apply the sheet starting at the lowest point and work upward. WeatherMaster® Ice & Water underlayment should not be left permanently exposed to the weather. It must be covered by shingles, metal valley flashing, or other roofing materials within 45 days. Overlap horizontal overlaps at least 6" in valleys. Smooth-shank galvanized nails are recommended for fastening shingles. Do not overdrive nails or break the surface.

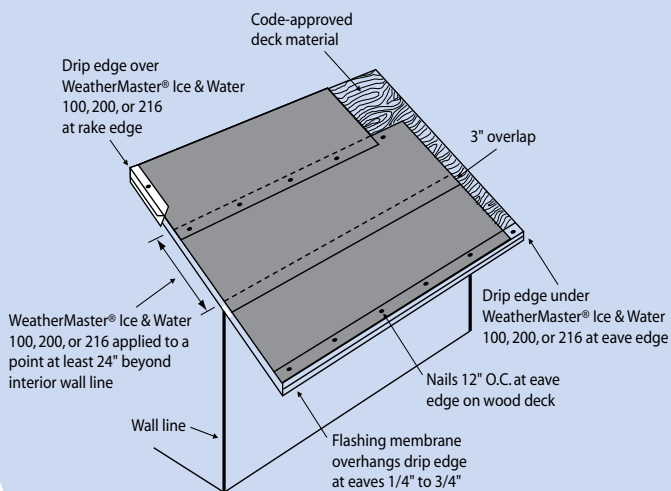
Safety, Storage and Handling

Pallets of WeatherMaster® Ice & Water should not be double stacked. Provide a weather cover on top and sides to allow for proper ventilation. Consult the Material Safety Data Sheet for best available information on safe handling, storage, personal protection, health, and environmental considerations.

Caution

Learn and observe safe roofing practices according to OSHA and local building code requirements. Always use caution when walking on sloped roof decks and WeatherMaster® Ice & Water underlayment. Do not walk on unsecured underlayment or any other loose roofing material lying on sloped roof decks. Dust, dew, water, or debris create unsafe conditions on the roof. The presence of any foreign matter may drastically change the coefficient of friction (traction) on WeatherMaster® Ice & Water or any other material on a sloped roof deck. Failure to use proper safety equipment and footwear can result in serious injury or even death.

WeatherMaster® Ice & Water Field Application



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