WeatherMaster® Flexible Ice & Water

Film-Faced High-Temp Underlayment

Data Sheet

Product Information

WeatherMaster® Flexible Ice & Water, a film-faced, high-temperature underlayment, is designed to go under any roofing material. This water barrier underlayment can be installed to metal, concrete, plywood, wood composition board, and gypsum. The silicone-treated, split-back release film allows for easy installation and handling.

The plastic film surface of WeatherMaster® Flexible Ice & Water underlayment provides skid resistance, allowing for better traction and safer installation. No special adhesives, heat, or equipment are necessary to install WeatherMaster® Flexible Ice & Water underlayment under normal, dry conditions of 45°F or warmer.

WeatherMaster® Flexible Ice & Water underlayment provides a secondary layer of waterproofing protection needed to help prevent damage from wind-driven rain. WeatherMaster® Flexible Ice & Water helps protect the entire deck of a properly ventilated roof or just those problem areas where water collects or drainage is slow. This SBS-modified, self-adhering underlayment creates a watertight barrier by sealing to the deck and around nails to provide continuous protection year after year.

Technical Data

Property	Test Method	Minimum Value
Mil Thickness	ASTM D5147	50 mil
Thermal Stability SAG-200°F (93°C)	ASTM D1970	Pass
Peel Adhesion	ASTM D903	Pass
Water Vapor Transmission	ASTM E96	Pass
ASTM D1970	All	Pass

Dimensions

Product	Roll (ft^2)	Roll Size	Rolls Per Pallet
WeatherMaster® Flexible Ice & Water	200	36" x 66.8'	30

Features:

- SBS-modified asphalt coating helps seal around nails for a watertight result
- Self-adhesive backing seals directly to the deck
- Extreme flexibility for critical transitions
- Ideal use for metal applications
- Skid-resistant plastic film surface
- Critical area protection: eaves, rakes, valleys, etc.
- 50-mil thick underlayment
- High temperature stability – 250°F (ASTM 36)
- UV protected surface – 30-day exposure

Benefits:

- Excellent underlayment for use under any roofing material
- Prevents moisture entry into structures by sealing uniformly to the substrate and around nail penetrations
- Serves as a temporary roof to protect the structure until the primary roofing system is installed
- Provides secondary water barrier when used as flashing tape on roof deck panel

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



General Instructions

For Roof Decks (Rakes and Eaves):
WeatherMaster® Flexible Ice & Water underlayment shall be applied to dry surfaces during fair weather when air surface temperatures are above 45°F. In temperatures below 45°F, deck surfaces will need to be primed prior to application. Before getting started, be sure the roof deck is free of dust, dirt, loose nails, and any other protrusions.

Begin by cutting WeatherMaster® Flexible Ice & Water into 10- to 15-foot lengths and re-roll for wrinkle-free application. Apply sheet parallel to the roof edge, extending over 1/4". Overlap edge seams 3" minimum, so that laps will shed water. On steep-slope applications, it may be necessary to nail the top edge of the membrane temporarily during the installation process. For ice dam protection, underlayment must be applied to a point at least 24" beyond interior wall line or above the expected level of ice dams.

Peel back 1 to 2 feet of release paper. Before peeling further, align the sheet on the lower edge of the roof and adhere the areas you have peeled. Pull the release paper from under the sheet and slowly continue to peel, pressing the sheet into place as you go. Use a hand roller to firmly roll lower edges. End laps should be overlapped 6" and staggered. When installing at temperatures below 45°F and on slopes above 8 in 12 — face nail the top overlap at 12" O.C.

For Valleys and Ridges:
Cut WeatherMaster® Flexible Ice & Water underlayment into 4- to 6- foot lengths. Peel the release paper and center sheet over the 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. Horizontal overlaps should be at least 6" in valleys.

WeatherMaster® Flexible 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 30 days. Galvanized roofing nails are recommended for fastening WeatherMaster® Flexible Ice & Water. Do not overdrive nails or break the surface.

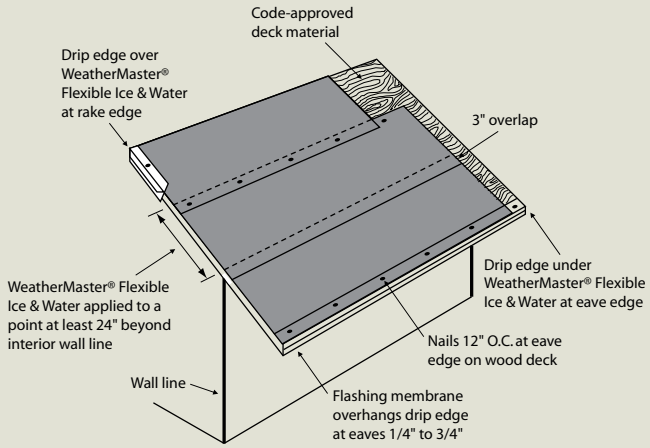
Safety, Storage and Handling

Pallets of WeatherMaster® Flexible 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® Flexible 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® Flexible 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® Flexible Ice & Water Field Application



Sales Offices

Ardmore, OK
Tel: (800) 270-2852

Franklin, OH
Tel: (800) 260-2852

Meridian, MS
Tel: (800) 933-2721

Daingerfield, TX
Tel: (800) 270-2852

Hampton, GA
Tel: (800) 251-2852

Corporate Sales & Marketing
2000 RiverEdge Parkway, Suite 800
Atlanta, Georgia 30328

AtlasRoofing.com

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