

WeatherMaster® HP-Flex

High-Temp Flexible Underlayment

PRODUCT INFORMATION

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

WeatherMaster® HP-Flex underlayment provides skid resistance, allowing for better traction and safer installation. No special adhesives, heat, or equipment are necessary to install WeatherMaster® HP-Flex underlayment under normal, dry conditions of 45°F or warmer.

WeatherMaster® HP-Flex underlayment provides a secondary layer of waterproofing protection needed to help prevent damage from wind-driven rain. WeatherMaster® HP-Flex helps protect the entire deck of a properly ventilated roof, or those problem areas where water collects or drainage is slow. This 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	45 mil
Tensile Strength	ASTM D412	25 lbs/in
Thermal Stability SAG-200°F (93°C)	ASTM C1970	Pass
Peel Adhesion	ASTM C903	Pass
Pliability, 14°F (-10°C), 1/8 90° Bend	ASTM D146	0.019 g/hr/sq.m. (max)
Elongation (Rubberized Asphalt)	ASTM D2523	190%
Water Vapor Transmission	ASTM E96	Pass
Permeability	ASTM E96	<0.03 perms (max)
ASTM D1970	All	Pass

DIMENSIONS

Product	Roll (ft²)	Roll Size	Rolls Per Pallet
WeatherMaster® HP-Flex	195	36" x 65'	30

CODES AND COMPLIANCES

- ASTM E108 Class A and Class C Fire Rating (based on roof covering)
- ASTM D1970, Standard Ice Dam Underlayment
- Florida Building Code Approved



FEATURES:

- Modified asphalt coating helps seal around nails for a watertight result
- Self-adhesive backing seals directly to the deck
- Superior walkability and traction
- Strong polyester reinforced top facer
- Fiberglass mat is stronger and provides better tear resistance than saturated felt
- Signature Select® Eligible
- Aggressive bond at low temperatures
- 45-mil thickness
- Self-adhering selva edge
- High-temperature stability – 240°F
- UV protected surface – 90-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
- WeatherMaster® HP-Flex can be installed with full deck coverage



Signature Select®
System Eligible



WEATHERMASTER® HP-Flex

GENERAL INSTRUCTIONS

WeatherMaster® HP-Flex underlayment should be installed when ambient and substrate temperatures are 45 °F (7.2 °C) or higher. Priming wood or metal surfaces may be necessary for temperatures at 45 °F. Remove all dirt, dust, loose nails, and debris prior to installing WeatherMaster® HP-Flex underlayment. Decking must be dry.

When WeatherMaster® HP-Flex underlayment is to be adhered to any metal surfaces, priming with asphalt primer meeting ASTM D41 is recommended. When applying WeatherMaster® HP-Flex underlayment, proper code-approved roof assembly ventilation is required.

For Roof Decks (Rakes and Eaves):

WeatherMaster® HP-Flex can be installed with full deck coverage. For proper adhesion, WeatherMaster® HP-Flex underlayment shall be applied to dry, dust/dirt/nail free surfaces during fair, dry weather when air temperatures and material is above 45° F (7.2°C). Rolls stored outside on cold nights may still be too cold for application even at midday. For applications where the air, deck, or material temperature is below 45°F, use plastic cap nails or tin tab nails to mechanically fasten until fully adhered. Deck surfaces may need to be primed prior to application. WeatherMaster® HP-Flex rolls applied in temperatures below 45° F (7.2°C) will remain stiffer and will not fully seal until it is warmed by exposure to the sun. Metal flanges must be coated with asphalt primer prior to applying WeatherMaster® HP-Flex underlayment.

Begin by cutting WeatherMaster® HP-Flex underlayment into 10- to 15- foot lengths and re-roll for wrinkle-free application. Apply sheet parallel to the roof edge, extending 1/4" to 3/4" over drip edge. Use the selva edge to set horizontal top overlap at 3" so that laps will shed water, or if underlayment does not have a salvage edge install horizontal edge seams 3" minimum. 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. On slopes above 6:12 or for long exposure before primary roof covering is installed — face nail the top overlap at 6" on center only in black selva edge and overlap areas.

For Valleys and Ridges:

Begin by cutting WeatherMaster® HP-Flex underlayment into 4- to 6-foot lengths. For ridges, peel the release paper back and center the sheet over the ridge. Working from the center of the ridge, press the sheet into place in both directions. For valleys, peel and apply the sheet starting at the lowest point and work upward. All end laps should be overlapped a minimum of 6".

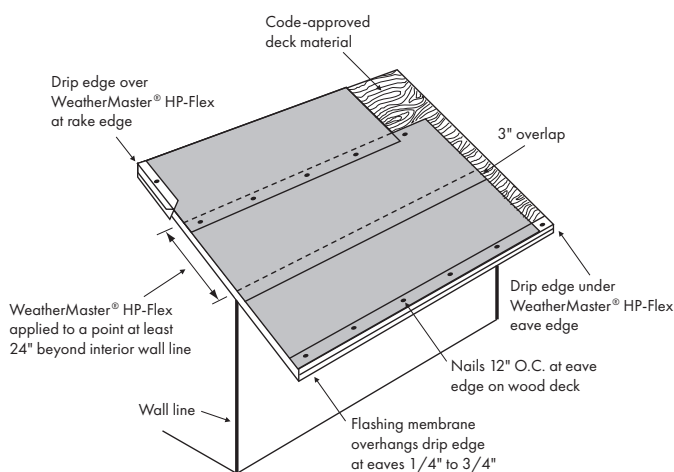
Safety, Storage, and Handling:

Store WeatherMaster® HP-Flex underlayment in a dry, well-ventilated area. Stand WeatherMaster® HP-Flex underlayment upright. Do not store at 90°F (32°C) or warmer for extended periods of time. Provide a weather cover on top and sides to allow proper ventilation. Consult the Material Safety Data Sheet for best available information on safe handling.

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® HP-Flex 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® HP-Flex 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® HP-FLEX FIELD APPLICATION



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