

WINTERGUARD HT X -

WINTERGUARD® HT X

Features:

- An advanced waterproofing underlayment for use beneath shingles, metal, slate or tile roofs.
- Specially formulated to resist high roof temperatures under metal roofs.
- Tough, tear-resistant top surface film resists scratching of metal roofing sheets.
- Seals the roof against infiltration of water into the building due to ice dams and wind driven rain.
- Easy to apply to new and existing roof decks.
- Excellent underlayment for low slope shingle applications.
- Seals water-tight around nails.

Instructions

Surface Preparation:

- Remove all roofing materials down to a clean, dry, smooth roof deck.
- Provide a proper surface by eliminating all protrusions, dust, dirt, loose objects and moisture.
- Acceptable deck substrates include plywood, Oriented Strand Board (OSB), wood plank (no wide spaces), concrete or masonry.
- Concrete or masonry roof decks require priming with an asphalt primer meeting ASTM D41 requirements such as CertainTeed's FlintPrime QD. Follow manufacturer's instructions for application of primer. Primer must be dry before proceeding.

Application (Peel and Stick) Valleys:

Apply a 36" minimum width of WinterGuard® HT X in the valley. Cut WinterGuard® HT X to convenient premeasured lengths (6 to 8 feet recommended). Peel off the release from the bottom of the film, and drape the WinterGuard® HT X membrane into place (sticky side down), allowing it to locate and adhere beginning at the valley center line working outward toward the edges. Start the application at the low point and work upwards. To ensure waterproofing, overlap all sheets 6 inches at lap joints and press firmly with a roller. Do not use WinterGuard® HT X as a permanent weathering surface (such as in open valleys).

Installation in Florida

For use in Florida, WinterGuard HT X must be installed in accordance with Section 1507. For use in the Florida's High-Velocity Hurricane Zone, WinterGuard HT X must be installed in accordance with Section 1518.

Field of Roof:

WinterGuard® HT X can be applied in any length convenient to the applicator. First, unroll material, align with lower edge of roof and hold in place. Lift starting end of material (approximately 1 foot), peel back and fold under at least 6 inches of both sheets of protective release film from the bottom of the material. Carefully return the exposed adhesive surface to the deck and press firmly in place. If at lower temperatures, material does not adhere immediately, tack in place with roofing nails. Reroll material from the other end until the peeled and folded back release film is exposed. Beginning with the folded back portion, peel both sheets of the remaining release film from the roll, pulling parallel to the eave. Be sure all material lays flat without wrinkling and is well adhered.

Alternatively, apply by the “peel and flop” method utilizing the two-piece split sheet release film feature to adhere longitudinal halves one at a time. It is best to cut the product into manageable lengths of about 10 feet when applying WinterGuard® HT X by this method.

When used for ice dam protection, it is strongly recommended that the upper edge of WinterGuard® HT X extend no less than 24 inches beyond the interior wall line and, in areas of severe icing, at least up to the highest level expected to occur from ice dams. In order to ensure waterproofing, overlap all side edges 6 inches and all ends 6 inches, pressing overlaps firmly with a roller. Off-set end laps 2 feet from course to course. If used, standard underlayment should overlap WinterGuard® HT X by at least 6 inches.

Temperature:

This product will temporarily lose most of its sticky nature at temperatures under 40°F. It is recommended therefore that it be applied in fair weather, at temperatures above 40°F. See Cautions.

Storage:

Store inside or under cover. Do not store at over 110°F. Keep rolls in their packaging until needed.

Drip Edges:

- At the rake, the drip edge may be installed under or over the WinterGuard® HT X.
- At the eaves, when the WinterGuard® HT X does not overlap the gutter or fascia, the drip edge should be installed under WinterGuard® HT X.
- At the rake or eaves, when WinterGuard® HT X overlaps the gutter or fascia, drip edge or other metal must be installed over it to prevent damage from exposure.

Low-Slope Recommendations:

Apply WinterGuard® HT X directly to a clean roof deck, and then properly apply the finished roofing over the WinterGuard® HT X. That roofing system will protect against water infiltration from wind-driven rain and ice dams. When installed beneath asphalt

shingles, use at least minimum slope shall be 2-1/12". When installed beneath metal roofing, the minimum slope can be as low as 0.5"/12". Some metal roofing products require a higher minimum slope. When WinterGuard® HT X is applied over the entire roof deck, ensure sufficient ventilation so as to prevent condensation.

Safety:

- Roofing activity can be hazardous. All necessary precautions and safety guidelines should be observed in accordance with proper roofing trade practices.
- WinterGuard® HT X may become slippery under certain weather conditions. When this occurs, avoid walking or crawling on the product.

Cautions:

- Apply directly to clean, smooth, dry roof decking.
- If WinterGuard® HT X will contact sealants or cements, use solvent based products sparingly, following manufacturer instructions carefully. Excessive use of solvent based adhesive can damage WinterGuard® HT X's polymer modified asphalt coating. Do not use silicone based sealants, as they do not maintain adequate long term adhesion to asphalt.
- Do not use as a permanently exposed roofing surface. The material will degrade if exposed to ultraviolet light for too long a period. The maximum exposure is 6 months. Therefore cover WinterGuard® HT X as soon as possible with a permanent roof surface.
- At colder temperatures it is recommended to tack material in place with roofing nails.
- To help prevent leakage from ice dams, WinterGuard® HT X should be applied to extend no less than 24 inches beyond the interior wall line, and, in areas of severe icing, at least up to the highest water level expected to occur.
- This material is a vapor barrier. If applied to cover the entire roof, special care must be taken to ensure sufficient ventilation beneath the roof deck to prevent condensation.
- Do not store at temperatures above 110°F.
- Do not remove the permanent film on the top surface of the product.
- Not recommended for use under copper.