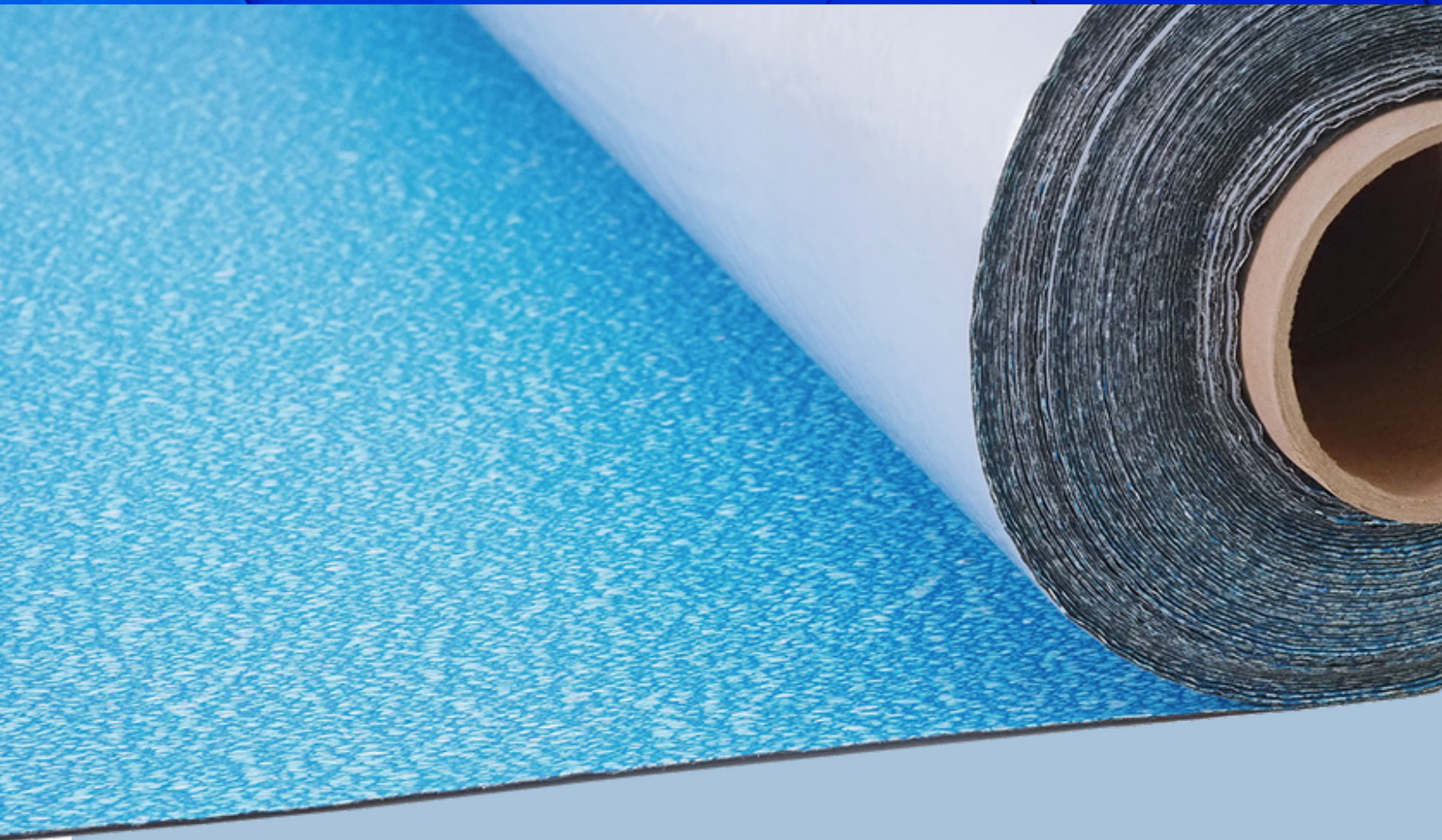


Deckguard® HT

INSTALLATION GUIDE



polyguard

Roof Deck Preparation



STEP 1.1

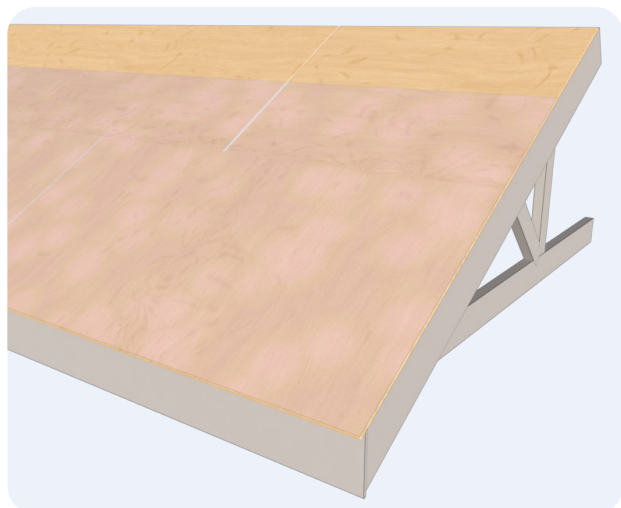
Suitable sloped roof structural deck substrates for Deckguard® HT Sheet Underlayment Membrane system include **plywood, wood composite, and wood plank.**

Install the Deckguard® HT Sheet Underlayment Membrane system directly to a **clean, dry, sloped roof structural deck.**

All dust, loose nails, old roofing materials, and dirt, must be removed in their entirety prior to installation of the Deckguard® HT Sheet Underlayment Membrane system.

Deckguard® HT Sheet Underlayment Membrane system must be 100% fully supported. All sloped structural roof decks must not have voids, unsupported areas, or damaged areas; and must have tight butted joints because Deckguard® HT Sheet Underlayment Membrane cannot span cracks larger than 1/16-inch.

Underlayment primer



STEP 2.1

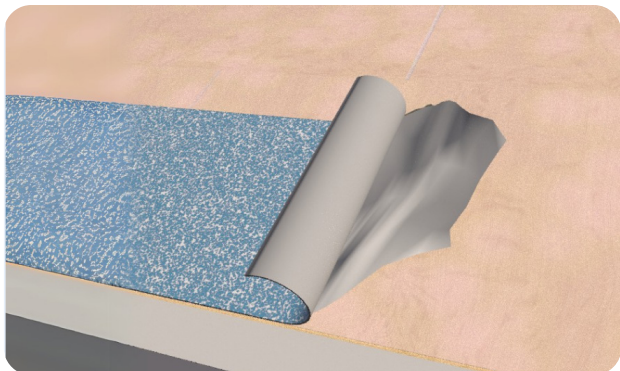
When substrate is ready, apply **650 WB Liquid Adhesive** (water-based) at a theoretical rate of 350-400 sq. ft. per gallon, or **ClearBond Liquid Adhesive** (solvent-based) applied at a theoretical rate of 250-300 sq. ft. per gallon. Final coverage rates will vary inversely related to the substrate texture and porosity.

Apply liquid adhesive using a short nap roller or brush. Allow liquid adhesive to dry for approximately **30 minutes** to become 'tack-free.' The dry time duration to become tack-free will be dependent upon ambient and substrate surface temperature. Do not apply liquid adhesive at heavier rates than recommended, as excessive material build-up will delay drying and Deckguard® HT Sheet Underlayment Membrane application.

Never apply liquid adhesives to wet or frozen surfaces. If surface temperatures are 32° F (0° C) and rising, use only the ClearBond Liquid Adhesive (solvent-based) to prime substrate surfaces for the Deckguard® HT Sheet Underlayment Membrane. If surface temperatures are 40 °F (4 °C) and rising, use either 650 WB Liquid Adhesive (water-based) or ClearBond Liquid Adhesive (solvent-based) to prime substrate surfaces for the Deckguard® HT Sheet Underlayment Membrane.

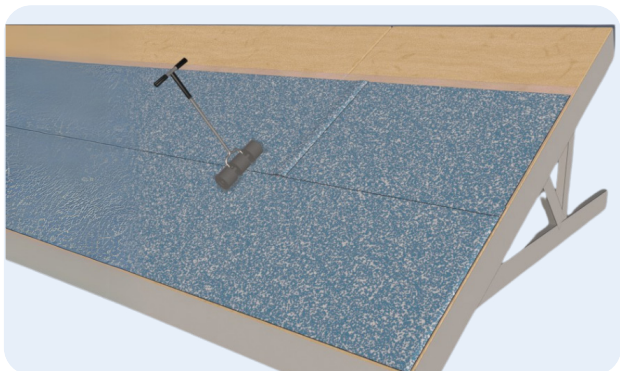
Prime only the area which can be covered with Deckguard® HT Sheet Underlayment Membrane in the same 4-6 hours. Areas primed and not covered within the designated 4-6 hours should be re-coated with fresh primer.

Underlayment Installation **STEP 3.11**



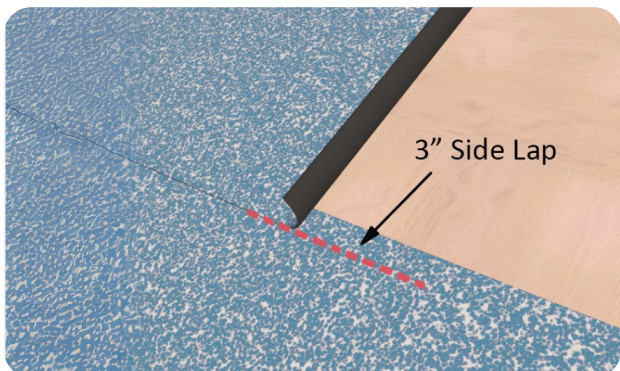
Cut Deckguard® HT Sheet Underlayment Membrane into 10-15 foot lengths and re-roll. Starting at the base, or lower edge of the sloped roof deck, apply Deckguard® HT Sheet Underlayment Membrane with the long edge parallel to the edge of the sloped roof deck.

Unroll the Deckguard® HT Sheet Underlayment Membrane by pulling the release sheet from under the underlayment.



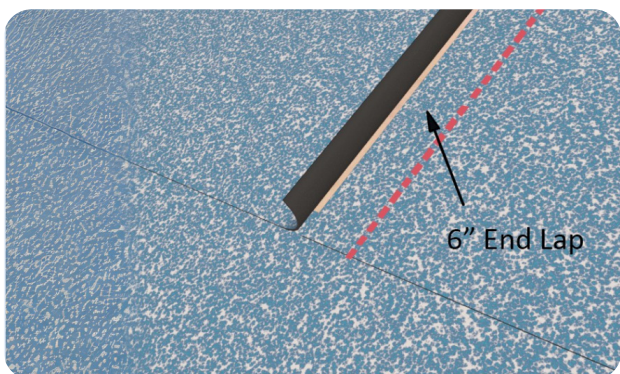
STEP 3.12

Roll the installed Deckguard® HT Sheet Underlayment Membrane with a small, linoleum-type, **hand-held roller**; or use adequate **hand pressure**, during application to eliminate minor wrinkles and air pockets.



STEP 3.13

Apply Deckguard® HT Sheet Underlayment Membrane system with a minimum 3-inch side lap and a minimum 6-inch end lap.

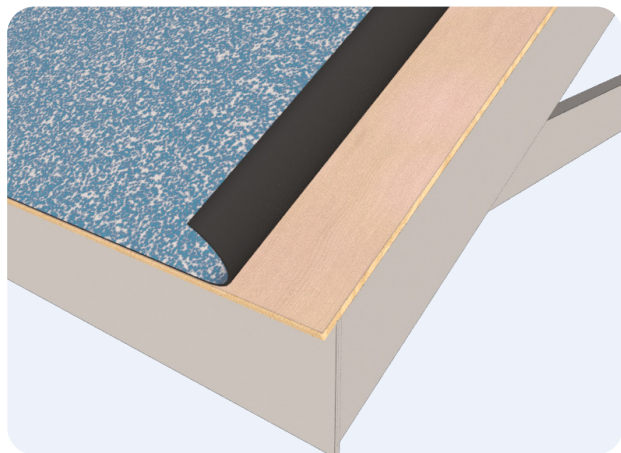


STEP 3.14

Cut the Deckguard® HT Sheet Underlayment Membrane into approximately 6-foot lengths for placing on irregular-contoured surfaces for ease of application.

On standing seam metal roofs, the Deckguard® HT Sheet Underlayment Membrane system will be applied on rigid insulation board.

Regional specifications



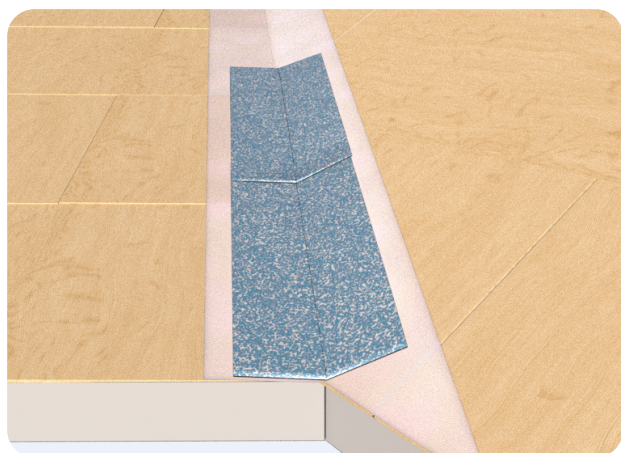
STEP 3.15

Most local buildings codes and the National Roofing Contractors Association recommend **underlayment application** from roof edge to 24-inches within the interior wall line of the building. Since snow loads vary by region, **local conditions should be considered during specification.**

In mountainous areas with considerable snow, it may be necessary to apply the **Deckguard® HT Sheet Underlayment Membrane** on the entire roof area.

The consideration as to whether this is done will depend upon how far melted water under the shingles would reach a given climatic location with a given roof pitch.

Sloped Roof Deck Ridge / Valley



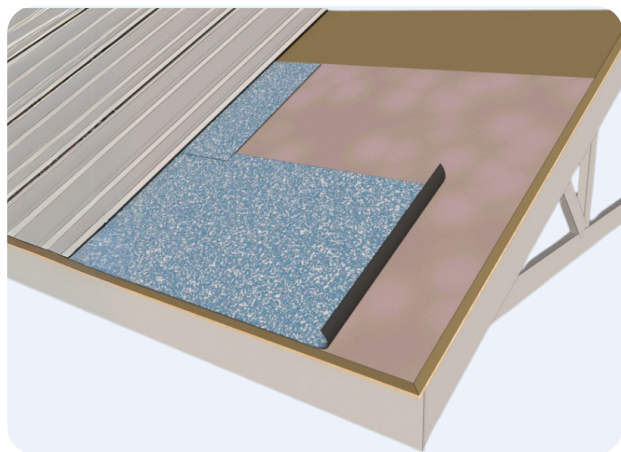
STEP 3.21

Apply **Deckguard® HT Sheet Underlayment Membrane** to existing sloped roof deck ridges or valleys, slit to proper width and with approximately half of the Deckguard® HT Sheet Underlayment Membrane width applied on either side of the existing sloped roof deck ridge or valley.

Install underlayment at sloped roof deck valleys from the **low point to the high point**, shingling the Deckguard® HT Sheet Underlayment Membrane per manufacturer installation guidelines and recommendations.

Overlap all sloped roof deck ridge and valley Deckguard® HT Sheet Underlayment Membrane installations by **minimum 6-inch**.

Overlay roofing materials



STEP 3.31

Roofing material can be applied promptly over the Deckguard® HT Sheet Underlayment Membrane system.

Damage

- Repair holes, tears, fishmouths and any damage to Deckguard® HT Sheet Underlayment Membrane with a piece of Deckguard® HT Sheet Underlayment Membrane patch extending past extent of the damage a minimum of 6-inch in all directions.
- Fasteners or screws must stay in but if removed they must be patched. The Deckguard® HT may not self-seal around these areas.

Delivery & Handling

- Materials should be delivered in a manufacturer's original, unopened packaging with labels attached.
- All materials must be handled in a manner to prevent damage.
- Any material damaged must be removed from the project area and replaced with new material.
- Products must be handled in accordance with manufacturer's guidelines.
- Material Safety Data Sheets (SDS) must be reviewed for guidance on flammability and other dangers of any liquid adhesives to be used; instructions for safety should be fully followed.

Storage

- Store Deckguard® HT Sheet Underlayment Membrane and system accessories in a warm environment above 50° F (10° C) until needed whenever ambient and roof substrate surface temperatures are at or below 50° F (10° C).

Limitations

- The Deckguard® HT Sheet Underlayment Membrane system materials cannot be guaranteed for performance if left exposed for over 60 days (UV exposure limit).
- Avoid folding the Deckguard® HT Sheet Underlayment Membrane over the roof edge unless protected by flashing, gutters, or drip caps. If drip caps are used, do not install Deckguard® HT Sheet Underlayment Membrane on top of drip cap; only folded over roof edge underneath the drip cap.
- The Deckguard® HT Sheet Underlayment Membrane is a vapor barrier.
- Adequate ventilation must be provided to prevent condensation of moisture on sloped roof deck after a Deckguard® HT Sheet Underlayment Membrane system application, especially for full roof underlayment coverage.
- Do not install directly under roof coverings especially sensitive to corrosion, such as zinc, without providing proper ventilation.
- No other use of the Deckguard® HT Sheet Underlayment Membrane system materials is to be made without prior approval of manufacturer as to service and method of application.
- Deckguard® HT sheet underlayment system is not compatible with EPDM or TPO roofing systems.
- Do not allow Deckguard® HT Sheet Underlayment Membrane to come in contact with flexible PVC, polysulfides or high concentrations of resins, such as pitch.

- ⚠ Use good roofing practices. Always wear fall protection when working on a sloped roof deck.
- ⚠ Deckguard® HT Underlayment Membrane is slippery when wet, so avoid walking on this material when wet.
- ⚠ Use shoes with sufficient sole friction over dry material to avoid sliding or slipping on the material.