



## V-Force™ Application Guide

October 2022

**NOTE:** The contents of this guide are considered accurate at time of posting. All information contained within should be validated for accuracy as it relates to specific project conditions or requirement. Specific codes, uplifts or other factors may result in changes to the information contained within this document. Validate all specific conditions with a Regional Technical Coordinator prior to its use.

## V-Force™ Vapor Barrier Membrane

When applied correctly, V-Force Vapor Barrier Membrane is an effective vapor retarder and may serve as a temporary roof for up to 90 days. Do not subject to ponding water.

**Step One:** The substrate must be clean, dry, and smooth. It must be free of sharp edges, loose and foreign materials, oil, grease, and any contaminants.

Acceptable properly prepared substrates include structural concrete, steel, plywood, OSB, existing smooth-surfaced BUR or modified bitumen membrane, DensDeck®, SECUROCK® Gypsum Fiber, STRUCTODEK® HD, ISOGARD™ HD, and RESISTA™ Insulation. Consult with a Holcim Regional Technical Coordinator regarding any other substrates.

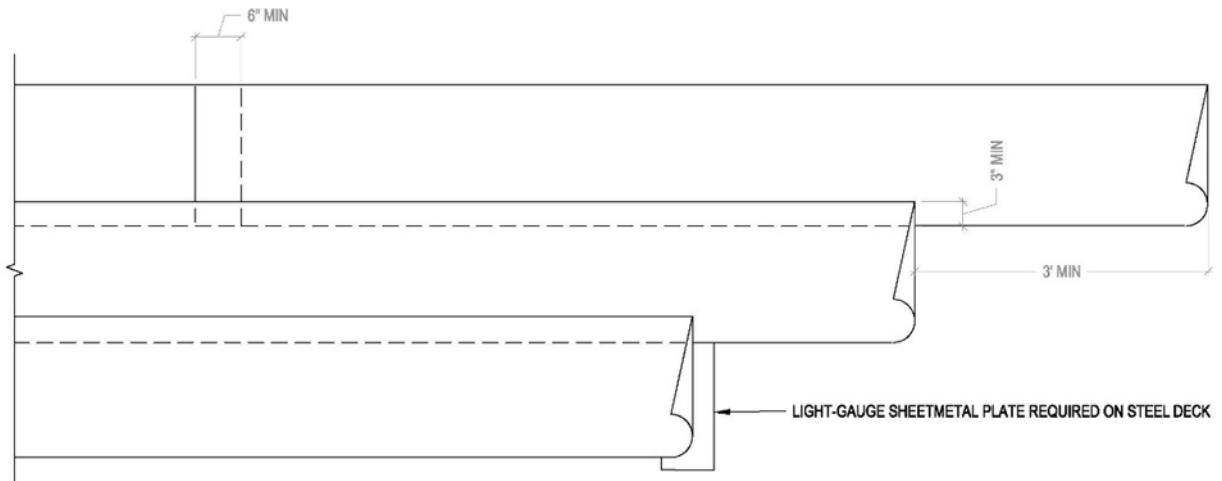
**Step Two:** Primer must be applied to a clean and dry substrate (except steel decks) prior to the installation of the membrane. Use only Elevate SA-Solvent Based (SB) Primer or Elevate SA-Water Based (WB) Primer. Follow the application instructions for the specific primer being used.

Steel decks do not require an application of primer; however, the steel deck must be clean, with no remaining processing oils. Laps do not need to be primed.

**Step Three:** Unroll and position V-Force Vapor Barrier Membrane with the release liner in place for alignment. Do not remove the release liner until the roll is ready for adhesion.

Position the membrane so that side laps are at least 3" (76 mm) and end laps are at least 6" (153 mm). Rolls must be staggered a minimum of 12" (305 mm). Begin application at the bottom of the slope and overlap in shingle fashion so the laps shed water.

On fluted steel decks, it is necessary to fasten a piece of light gauge sheet metal to the deck underneath the end lap. This will ensure that there is a firm substrate to properly mate the sheets at the lap.



**Step Four:** Once aligned, peel back a portion of the release liner and press the membrane onto the substrate for initial adhesion. Remove the release liner at a 45° angle. Use a 75 lb (34 kg) roller over the entire surface of the membrane. Roll each lap individually. If any air bubbles are trapped, roll them out at the edge of the membrane – do not cut the membrane.

**Step Five:** For general sealing around penetrations, Elevate AP Sealant may be used. When full water tightness is required, terminate the V-Force Vapor Barrier Membrane with UltraFlash™ One-Part Liquid Flashing. Install a base coat, fleece layer, embedment coat and topcoat per UltraFlash application guidelines.

**Step Six:** If V-Force Vapor Barrier Membrane has been used as a temporary roof and is expected to function as a vapor barrier in the finished roofing system, it must be inspected and repaired. All damaged areas must be cut out and removed, and new membrane installed in those areas. Maintain 6" (153 mm) laps on all sides of the repair. Re-prime the substrate if applicable.

**Step Seven:** Install Elevate insulation to the clean and dry V-Force Vapor Barrier Membrane after any necessary repairs have been made. Acceptable insulation adhesives include I.S.O. Spray R, I.S.O. Twin Pack, Twin Jet, and I.S.O. Stick. Hot asphalt is not acceptable.

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