

APPLICATION INSTRUCTIONS

V-Force™ Vapor Barrier Membrane

When applied correctly, V-Force Vapor Barrier Membrane is an effective vapor barrier, and may serve as a temporary roof for up to 90 days.

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, Firestone ISOGARD™ HD, and ISOGARD CG Insulation. Consult with a Firestone Building Systems Advisor 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 Firestone SA-Solvent Based (SB) Primer or Firestone 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.



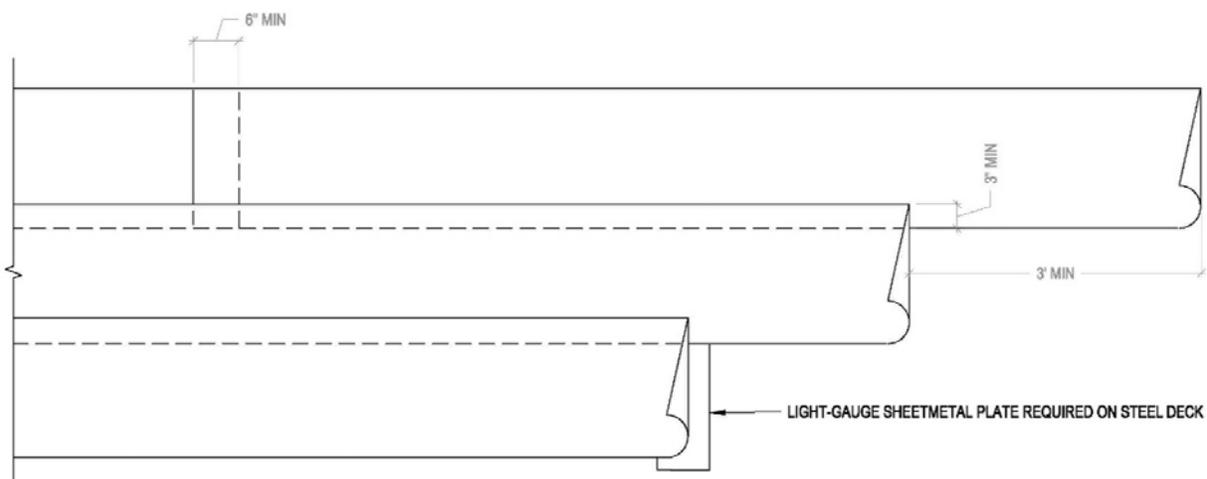
Step Three: Unroll and position V-Force Vapor Barrier Membrane with the release liner in place for alignment. Do not remove the release liner until the roll is ready for adhesion.



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.



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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, Firestone 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 top coat 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 Firestone 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, I.S.O. Stick™. Hot asphalt is approved in limited assemblies; please check with your Building Systems Advisor.