



GenFlex™ Vapor Shield Application Guide

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VAPOR SHIELD VAPOR BARRIER MEMBRANE

When applied correctly, Vapor Shield 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 GenFlex Regional Technical Coordinator regarding any other substrates.

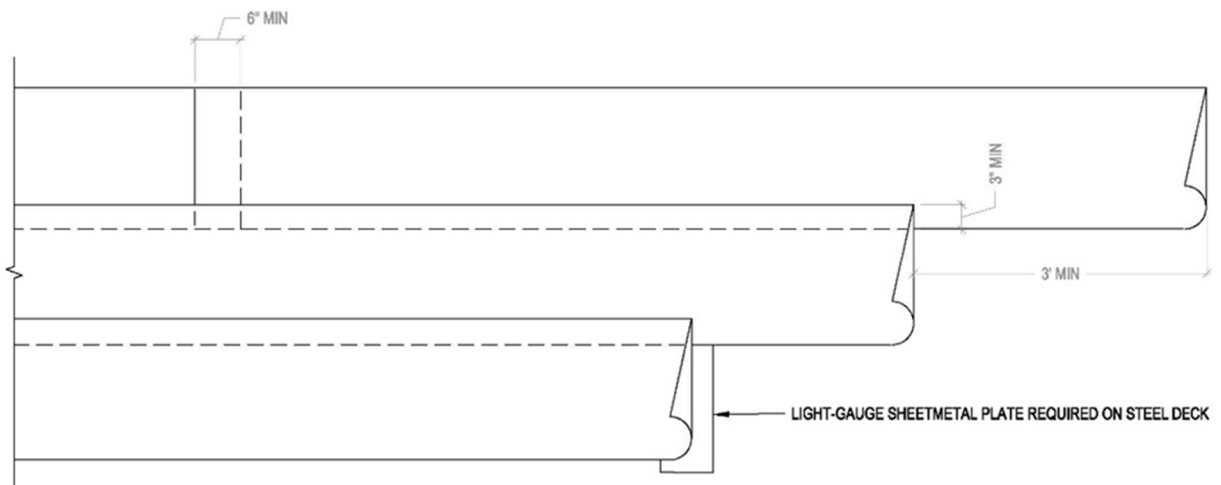
Step Two: Primer must be applied to a clean and dry substrate (except steel decks) prior to the installation of the membrane. Use only GenFlex Vapor Shield Solvent Based Primer or GenFlex Vapor Shield Water Based Primer. Follow the application instructions for the specific primer being used.

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 Vapor Shield 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, GenFlex Termination Caulk may be used. When full water tightness is required, terminate the Vapor Shield 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 Vapor Shield 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 GenFlex insulation to the clean and dry Vapor Shield Vapor Barrier Membrane after any necessary repairs have been made. Acceptable insulation adhesives include ISO Bond, One Step, and Quick Dual . Hot asphalt is not acceptable.

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