DensDefy® Transition Membrane

DensDefy® Transition Membrane is a 25-mil composite impermeable membrane that is comprised of 16 mils of butyl adhesive and 9 mils of HDPP facer. It is primarily used as a transitioning accessory in the DensElement® Barrier System.

Basic Uses

DensDefy® Transition Membrane is an impermeable self-adhered sheet designed for use as a rough opening flashing and transition membrane for connecting dissimilar materials to maintain air and moisture barrier continuity. DensDefy® Transition Membrane bonds to most surfaces such as glass mat gypsum sheathing, poured concrete, masonry, steel, and wood based substrates.

Features and Benefits

- The high-performance butyl has been tested and is compatible with the DensElement® Barrier System.
- Primerless application allows for faster installation time.
- Manufactured to a preset, uniform thickness that will not create excessive build up in rough openings while still providing exceptional strength/durability.
- Rugged HDPP film protects high-performance butyl membrane against incidental damage during the construction process.
- Variety of widths available for project specific needs.
- Ability to be installed in a wide range of temperatures.

Packaging

Length	75' (22 m)
Width	6" (15 cm) 8 rolls/box
	9" (22 cm) 4 rolls/box
	12" (30 cm) 4 rolls/box

Colors

Gold HDPP facer with Black DensDefy® logo.

Storage

Store DensDefy® Transition Membrane in the original, unopened packaging in a clean, dry, and protected location where temperatures do not exceed 100°F (37°C).

Product has a shelf life of 12 months.

DensDefy® Transition Membrane General Technical Data

TEST	RESULT	METHOD
TENSILE STRENGTH (AAMA 711 Section 5.1) **MD** **CMD**	 1350 psi 1138 psi	ASTM D1970 Section 7.3
Nail Sealability (AAMA 771 Section 5.2)	PASS	ASTM D1970
ELONGATION	442%	ASTM D412
WATER ABSORPTION	0	ASTM D570
AAMA 711	PASS	ASTMC765 ASTM D903 ASTM D3330 Method F
WATER VAPOR PERMEABILITY	0.05 perms	ASTM E96 Method A
WATER VAPOR PERMEABILITY	0.07 perms	ASTM E96 Method B

Installation Instructions

Surfaces to receive membrane must be dry, clean, firm, free of bond-inhibiting agents, such as dust, mud, oils, curing compounds or any other substances that might prevent placement and bonding of membrane.

Determine appropriate widths and lengths of DensDefy® Transition Membrane prior to cutting. DensDefy® Transition Membrane may be cut with scissors or a sharp utility knife. Use of longest lengths possible will minimize overlaps. For longer lengths, two applicators may reduce risk of wrinkles or fishmouths. DensDefy® Transition Membrane must be applied a minimum of 2" (50 mm) onto each substrate or change of plane.

Transitions at Dissimilar Materials

1. Choose the appropriate DensDefy® Transition Membrane width to achieve a 2" (50 mm) minimum overlap on both sides of the transition. Place over the center of the transition area.
2. Press in place, avoiding wrinkles and fishmouths. Use a J roller to apply even pressure to fully adhere the membrane and achieve a smooth and wrinkle-free surface.
3. Terminate all DensDefy® Transition Membrane edges with a counter flash of DensDefy® Liquid Flashing.

Protection at Rough Opening

1. Apply corner reinforcement pieces at rough opening corners.
2. Choose appropriate DensDefy® Transition Membrane widths for treatment area. Press in place starting at the sill, covering the sheathing adjacent to the opening, the sill, and wrapping up jambs.
3. Place membrane on rough opening jambs, then header, overlapping each piece onto the previous layer.
4. Use a J roller to apply even pressure to fully adhere the membrane.
5. Terminate all DensDefy® Transition Membrane edges with a counter flash of DensDefy® Liquid Flashing.

Limitations

- Not intended for permanent exposure,cover within 12 months.
- Application temperature is above 25°F (-4°C) and rising.
- Not intended for dynamic joints.
- May not be used for service temperatures above 180°F.
- Do not apply to damp, contaminated or frost covered surfaces.
- Treated lumber must be dry and may be solvent wiped with isopropyl alcohol to aid adhesion of DensDefy® products.
- If wood is installed in the returns of rough openings, temporary protection may be needed to keep surfaces dry. DensDefy® Transition Membrane cannot be applied to damp substrates.
- Cap and seal roofing systems or protect top of walls from water intrusion before and after the air barrier system is installed. Water intrusion may interfere with bonding of air barrier waterproofing materials and/or detrimentally impact the performance of such materials.
- Avoid conditions that will create moisture in the air and condensation within the exterior walls. This is especially important during periods when the exterior and interior temperature differentials can create a condensation point within the exterior wall. The use of forced air heaters creates volumes of water which, when not properly vented, can condense on building materials. The use of heaters and any resulting damage is not the responsibility of Georgia-Pacific Building Products. Consult heater manufacturer for proper use and ventilation.

Warranty

GP's limited warranties for the DensDefy® Transition Membrane and the DensElement® Barrier System are available at buildgp.com/warranties.

GP MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, AND SPECIFICALLY DISCLAIMERS ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Applicable Standards

DensDefy® Transition Membrane is in compliance with AAMA 711 and has been tested to industry standards for self-adhering flashing used for installation of exterior wall fenestration products: