

## Product Data Sheet

# GENFLEX EPDM WATER BASED BONDING ADHESIVE



### Description

GenFlex EPDM Water Based Bonding Adhesive is a water based latex, low VOC contact adhesive designed to attach GenFlex EPDM membrane to High Density Wood Fiberboard, Polyisocyanurate, or other approved substrates.

The low VOC provides a product that conforms to many air quality requirements. This product may be substituted for the solvent based bonding adhesive.



### Physical Properties

PROPERTY	TYPICAL VALUES
Base	Synthetic
Color	Blue
Solids	51% ± 1%
Solvents	Water
Weight	8.25 lb/gal (0.99 kg/L) (nominal)
Specific Gravity	(Nominal)
Viscosity	18,000 ± 500 cps RVF Brookfield #5 spindle @10 RPM

### Installation

#### A. Horizontal

1. The deck surface must be clean, dry, smooth, and free of any foreign materials, grease, or oil.
2. Position the GenFlex EPDM membrane over approved substrate and allow to relax for one-half (1/2) hour prior to bonding
3. Stirring of the adhesive is not required, but **DO NOT THIN MATERIAL.**
4. Fold sheet back so one-half (1/2) of the underside of the sheet is exposed.
5. Using a 9" (228 mm) medium 3/8" (9.5 mm) nap roller, apply adhesive onto the deck substrate first and secondly onto the sheet. Cover the substrate and membrane so that both are visible through the adhesive (**DO NOT APPLY TO TOTALLY OPAQUE COVERAGE**). A 100% adhesive coverage is required for both the membrane and the substrate.

6. Allow the adhesive to dry completely to dry finger touch/push test. Upon drying, the adhesive goes from a light blue film to a translucent film.
7. Fold the membrane into adhesive, avoiding wrinkles. Using a heavy roller or push broom apply pressure to the surface to promote 100% adhesion.
8. Fold back the unbonded half sheet and repeat the bonding procedure.

#### B. Vertical

1. For extremely porous substrates such as concrete blocks apply a light seal coat of the adhesive to the substrate and allow it to dry.
2. Apply adhesive to membrane and a second coat to the wall.
3. Flashing is recommended to be 0.045" (1.1mm) standard membrane and a maximum 10' (3.0 m) in length for parapet walls that exceed 4' (1.22 m) in height.
4. Allow adhesive to dry to finger tack. Apply membrane onto wall applying pressure to assure a complete 100% bond.
5. The flashing should be mechanically secured to the wall, per the selected termination detail, immediately after it is adhered to the wall.
6. Use GenFlex Metal Bar Anchors at 48" (1.22 m) maximum intervals for walls that exceed 4' (1.22 m) in height.

### Application Precautions

1. Do not apply horizontally to non-porous surfaces such as polyethylene and foil faced polyisocyanurate insulation.

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2. Avoid globs or puddles of adhesive.
3. Do not apply adhesive to seam area.
4. Adhesive must be dried completely to a finger touch/push tack test prior to bonding of membrane to substrate. The product dries from a light blue film to a translucent film.
5. Do not apply if ambient temperature drops below 32°F (0.0°C) before adhesive dries.

Cleanup with warm soap and water while material is still wet. Once dried, it may be cleaned with very hot water, some mild citric solvent, or paint thinner.

Review Material Safety Data Sheet prior to use.

### Product Data

SIZE	CONTENTS	PRODUCT #
1 gallon (3.8 Liter)	4 Cans per Carton	W590010075
5 gallon (18.9 Liter)	NA	W590010149

**Coverage Rate:** Correctly applied, 1 gallon (3.8 L) will cover approximately 120 ft<sup>2</sup> (11.1 m<sup>2</sup>) of finished surfaces. The coverage rate will vary according to the porosity of the substrate.

### LEED Information

#### Recycled Content

Post Consumer 0%

Post Industrial 0%

V.O.C. Content 17g/L

### Storage

Store indoors in original unopened containers at a temperature between 60°F and 80°F (16°C and 27°C) for maximum shelf life. Do not store on roof in direct sunlight. When exposed to lower temperatures, restore to room temperature prior to use.

### Shelf Life

12 months; shelf life will be shortened if exposed to elevated temperatures.

### Precautionary Data

Avoid prolonged contact with skin.

Keep out of reach of children.

Keep adhesive from freezing.

DO NOT THIN.