

## GenFlex All Purpose Water Based Bonding Adhesive (TM)

### DESCRIPTION

GenFlex All Purpose Water Based Bonding Adhesive is a water based contact adhesive designed to attach GenFlex EPDM or TPO membranes to GenFlex High Density Wood Fiberboard, Polyisocyanurate, and other approved substrates. This product conforms to many air quality Authority requirements and may be substituted for other GenFlex solvent and water based bonding adhesives.

### PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUES
Base	Synthetic
Color	White
Solids	62.5% ± 1%
Solvents	Water
Weight	8.8 lb/gal (nominal)
Specific Gravity	1.1 (Nominal)
Viscosity	16,000 ± 500 cps (white creamy paste)

### INSTALLATION

#### **A. Horizontal**

- The deck surface must be clean, dry, smooth, and free of any foreign materials, grease, or oil.
- Position the GenFlex membrane over approved substrate, and allow to relax for one-half (½) hour prior to bonding
- Stirring of the adhesive is recommended. **DO NOT THIN THIS MATERIAL.**
- Fold membrane back so one-half (½) of the underside of the panel is exposed.
- Using a 9" medium nap roller, apply adhesive continuously onto the substrate and membrane. Cover the substrate and membrane at a coverage rate of approximately 120 ft<sup>2</sup> (11.1 m<sup>2</sup>) per gallon. A 100% adhesive coverage is required for both the membrane and the substrate.
- Allow the adhesive to dry completely to a dry finger touch/push test. Upon drying, the adhesive goes from a light white film to a transparent or clear film. Do not install the membrane until the adhesive has adequately dried.
- Fold the membrane into adhesive, avoiding wrinkles. Using a push broom, apply positive downward pressure to the surface of the membrane to promote 100% adhesion.
- Fold back the unbonded half sheet, and repeat the bonding procedure.

#### **B. Vertical**

- For extremely porous substrates, such as concrete blocks, apply a light seal coat of the adhesive to the substrate, and allow it to dry.
- Using a 9" medium nap roller, apply adhesive continuously onto the substrate and membrane. Cover the membrane and wall at a coverage rate of approximately 120 ft<sup>2</sup>/gal. A 100% adhesive coverage is required for both the membrane and the wall.
- Allow the adhesive to dry completely to a dry finger touch/push test. Upon drying, the adhesive goes from a light white film to a transparent or clear film.
- The flashing membrane should be mechanically secured to the wall, per the selected termination detail, immediately after it is adhered to the wall.

### APPLICATION PRECAUTIONS

- Do not apply horizontally to non-porous surfaces, such as polyethylene and foil faced polyisocyanurate insulation.
- Avoid globs or puddles of adhesive.
- Do not apply adhesive to seam area.
- Adhesive must be dried completely to a finger touch/push tack test prior to bonding of membrane to substrate. The product dries from a white film to a transparent film. Do not install the membrane until the adhesive has adequately dried.
- Install at temperatures above 40°F (4.4 °C) and rising.
- The outside temperature on the roof, must be above 40°F (4.4°C) for a period of 24 hours after installation.
- Drying times will vary depending on ambient conditions, including relative humidity and porosity of the substrate.
- Avoid installations where high levels of interior moisture are present in levels high enough to effect the drying time or performance of the adhesive.
- Porous substrates, like block, require more adhesive coverage. (Typically 80 - 90 ft<sup>2</sup>)

### PRODUCT DATA

CONTAINER SIZE	CONTENTS	PRODUCT #
1 gallon (3.8 Liter)	4 Cans per Carton	W590010154
3.5 gallon (13.3 Liter)	NA	W590010155

**Coverage Rate:** Approximately 120 ft<sup>2</sup> (11.1 m<sup>2</sup>) per gallon (3.8 L) of finished roof surface. The coverage rate will decrease according to the porosity of the substrate (block, gypsum board, etc.).

### LEED INFORMATION

Recycled Content	
Post Consumer	0%
Post Industrial	0%
V.O.C. Content	8 g/L (minus water)

### 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 and repeated contact with skin.  
Keep out of reach of children.  
**DO NOT THIN.**  
Keep adhesive from freezing.  
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.