

## WATER BASED BONDING ADHESIVE P



### Item Description

5-gallon pail (3.8 liter)

### Item Number

W590030057

## Product Information

### 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
Color	Pink (dries to a dark translucent)
Base	Synthetic
Solvents	Water
Solid	62.5% ± 1%
Specific Gravity	1.1 (nominal)
Viscosity	16,000 ± 500 cps (pink creamy paste)

## 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 membrane over approved substrate and allow to relax for one-half (½) hour prior to bonding.
3. Stirring of the adhesive is recommended. **DO NOT THIN THIS MATERIAL.**
4. Fold membrane back so one-half (½) of the underside of the panel is exposed.
5. Using 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.
6. Allow the adhesive to dry completely to a dry finger touch/push test. Upon drying, the adhesive goes from pink in color to a dark translucent. Do not install the membrane until the adhesive has adequately dried.
7. 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.
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. Using a 9" medium nap roller, apply adhesive continuously onto the substrate and membrane. Cover the membrane and wall at a coverage rate approximately 120 ft<sup>2</sup>/gal. A 100% adhesive coverage is required for both the membrane and the wall.
3. Allow the adhesive to dry completely to a dry finger touch/push test. Upon drying, the adhesive goes from pink in color to a dark translucent.
4. 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

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

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

\*NOTE: LEED® is a registered trademark of the U.S. Green Building Council.

## 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 month; 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 the material is still wet. Once dried, it may be cleaned with very hot water, some mild citric solvent, or paint thinner.

Review Safety Date Sheet prior to use.

Please contact Quality Building Services Technical Department at 1-800-443-4272 option 1, for further information.

*This sheet is meant to highlight GenFlex products and specifications and is subject to change without notice. GenFlex takes responsibility for furnishing quality materials which meet published GenFlex product specifications. Neither GenFlex nor its representatives practice architecture. GenFlex offers no opinion on and expressly disclaims any responsibility for the soundness of any structure. GenFlex accepts no liability for structural failure or resultant damages. Consult a competent structural engineer prior to installation if the structural soundness or structural ability to properly support a planned installation is in question. No GenFlex representative is authorized to vary this disclaimer.*