

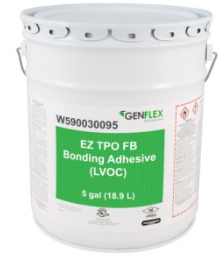
EZ TPO FB Bonding Adhesive (LVOC)

Item Description

Fleece Backed TPO Bonding Adhesive

Item Number

W590030095



Description

GenFlex™ FB Bonding Adhesive is designed specifically for bonding GenFlex Fleece Backed TPO membrane to various insulation surfaces, specific existing roof surfaces and approved substrates as specified in current GenFlex Technical Specifications.

FB Bonding Adhesive may also be used for bonding standard GenFlex EZ TPO membrane to approved substrates in both horizontal and vertical applications as described in the Standard EZ TPO Installation section below. **Please note that no code ratings currently exist for GenFlex TPO fully adhered with FB Bonding Adhesive.**

Typical Properties

Property	Typical Values
Base	Nitrile Rubber
Color	Brown
Solvents	Blend of Acetone and Diisobutyl Ketone
Weight	6.99 – 7.73 lb/gal (0.838 – 0.926 kg/L)
Specific Gravity	0.838 – 0.926
Viscosity	4,000 - 6,000 cps, with #4 spindle @ 10 rpm

Installation

INSTALLATION (Fleece Backed TPO Membrane)

1. Surfaces must be clean, smooth, dry, and free of sharp edges, loose and foreign materials, oil, grease, and other contaminants.
2. Stir thoroughly to achieve a uniform mix with no marbling or sediment on the bottom evident. **STIR BEFORE AND DURING USE.**
3. Adhesive must be applied in a uniform thickness to the **base substrate only**. Apply with either a 9" (228.6 mm) wide solvent resistant roller designed for medium to semi-rough textured surfaces or an industrial grade adhesive sprayer. **DO NOT APPLY ADHESIVE TO THE POLYESTER BACKING PORTION OF THE MEMBRANE.** If the adhesive is spray applied, it must be back-rolled with a similar type roller to ensure proper contact and coverage. **DO NOT APPLY FB BONDING ADHESIVE TO SEAM PORTION OF THE MEMBRANE.**
4. Apply the adhesive in a uniform manner, avoiding globs and puddles of adhesive that may lead to blistered membranes.
5. FB Bonding Adhesive shall have a brief flash-off period of approximately 15 to 30 minutes, depending on ambient conditions, before mating the membrane. The adhesive shall be tacky to the touch when mating the membrane.
6. Starting at the fold of the Fleece Backed TPO membrane, roll the mating portion into the coated substrate slowly and evenly to minimize wrinkles. To ensure proper contact, compress the bonded portion of the membrane to the substrate with a stiff push broom using heavy pressure immediately after mating, followed by the use of a heavy roller (approximately 150 lb (68.0 kg)) to ensure proper contact of membrane to substrate.

INSTALLATION (Standard EZ TPO Membrane)

1. Surfaces (both substrate and bottom surface of the EZ TPO membrane) to received the FB Bonding Adhesive must be clean, smooth, dry, and free of sharp edges, loose and foreign materials, oil, grease, and other contaminants.
2. Stir the adhesive thoroughly to achieve a uniform mix with no marbling or sediment on the bottom evident. **STIR BEFORE AND DURING USE.**
3. Adhesive must be applied in a uniform thickness to both the approved substrate and the EZ TPO membrane. Apply FB Bonding Adhesive with either a 9" (228.6 mm) wide solvent resistant roller designed for medium to semi-rough textured surfaces or an industrial grade adhesive sprayer. If the adhesive is spray applied, it must be back-rolled with a similar type roller to assure proper contact and coverage.
4. Apply the adhesive in a uniform manner to both surfaces avoiding globs and puddles of adhesive that may lead to blistered membranes. **DO NOT APPLY FB BONDING ADHESIVE TO THE SEAM AREA OF THE MEMBRANE.**
5. FB Bonding Adhesive shall have a flash-off period of approximately 30 minutes depending on the ambient conditions before mating the membrane. Touch the adhesive surface with a clean dry finger to be certain that the adhesive does not stick or string. As you are touching the adhesive, pushing straight down to check for stringing. Also, push forward to verify the adhesive is ready throughout its thickness. If either motion exposes wet or stringy adhesive when the finger is lifted, then it is not ready to adhere the membrane. **FLASH OFF TIME WILL VARY DEPENDING ON THE AMBIENT AIR CONDITIONS.**
6. Roll the mating portion of the membrane into the coated substrate slowly and evenly to minimize wrinkles. To ensure proper contact, compress the bonded portion of the membrane to the substrate with a stiff push broom using heavy pressure immediately after mating.

Coverage Rate

Uneven and porous substrates will result in a lower coverage rate while smooth non-porous substrates will result in higher coverage rates. The following rates are based on roller application to mating surface (s).

- Fleece Backed TPO membrane – FB Bonding Adhesive applied to **substrate only**. A coverage rate of 70-90 ft²/gal (1.718-2.209 m²/L) may be obtained depending on the substrate.
- EZ TPO Membrane-FB Bonding Adhesive applied to both the substrate and membrane. A coverage rate of 40-60 ft²/gal (0.982-1.475 m²/L) may be obtained depending on the substrate.

Application Precautions

- 100% adhesive coverage on the substrate is required when used to install Fleece Backed TPO membrane.
- 100% adhesive coverage on both substrate and bottom surface of the membrane when used to install standard EZ TPO membrane
- Do not apply bonding adhesive to splice area.
- Avoid globs or puddles of adhesive.
- Do not apply FB Bonding Adhesive directly over Genflex ISO Insulation boards. An approved cover board must be installed over the ISO boards as the immediate substrate to apply the FB Bonding Adhesive.

Product Data

Size	Contents	Product #
5 gallon (18.9 Liter)	N/A	W590030095

LEED® Information

Recycled Content Post Consumer	0%
Recycled Content Post Industrial	0%
V.O.C. Content	206 g/L

*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

Shelf life of nine (9) months can be expected if stored in original sealed container at temperatures between 60 °F and 80 °F (16 °C and 27 °C) for maximum shelf life.

Precautionary Data

- Review Safety Data Sheet prior to use.
- This product is extremely flammable. Vapors may cause flash fires. Vapors may ignite explosively under certain conditions. Keep away from fire, sparks, and sources of heat. Extinguish all flames and pilot lights. Turn off electronic motors, stoves, or heaters, or any source of ignition during use and until all vapors have been dispersed. Do not smoke.
- Close containers after use.
- Use with adequate ventilation.
- Avoid prolonged breathing of vapors.
- Avoid prolonged and repeated contact with skin.
- Keep out of reach of children.
- Keep away from eyes.
- Use chemically resistant gloves when handling.

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.