

## DESCRIPTION

GenFlex TPO Bonding Adhesive LVOC is a solvent based contact adhesive designed specifically for bonding GenFlex TPO membranes and flashings to approved substrates such as insulations, wood, metal, concrete and other acceptable substrates.

## PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUES
Base	Polychloroprene Rubber
Color	Yellow
Solvents	Acetone, Tert-butyl Acetate, Ethyl Acetate
Solids	22% (min.)
Viscosity	3,300-3,800 cps, R.V.F. #3 Spindle @ 10 RPM
Specific Gravity	0.875 to 0.911
Weight/Gallon	7.4 +/- 0.15 lb/gal (0.893 kg/L +/- 0.018 kg/L)
Flash Point	2°F (-19° C)

## INSTALLATION

- Surfaces that will receive GenFlex TPO Bonding Adhesive LVOC must be clean, smooth, dry, and free of sharp edges and loose materials and other contaminants.
- Stir the adhesive thoroughly before and during use to achieve a uniform mix with no sediment on the bottom with no marbling evident. **DO NOT THIN MATERIAL.**
- Fold the TPO roofing membrane back so one-half (½) of the underside of the panel is exposed.
- Apply the bonding adhesive to the substrate and the TPO membrane at about the same time using a 9" (228 mm) medium nap roller. A coverage rate of 45 – 60 ft<sup>2</sup>/gal (1.1 – 1.4 m<sup>2</sup>/L) may be achieved depending on the substrate. Coverage rates will vary depending on substrate texture and porosity. When applying the bonding adhesive, ensure a uniform coverage of both surfaces that will be adhered. Care should be taken not to apply bonding adhesive within the seam areas.
- Allow adhesive to flash off or dry completely. Touch down on the adhesive surface with a clean dry finger to determine that the adhesive does not string. As you touch the adhesive surface, push down to check that the adhesive has completely dried below the surface. If either test exposes wet adhesive when the finger is lifted, then the adhesive is not ready for mating. **Flash off time may vary significantly depending on ambient conditions.**
- Apply the adhesive coated membrane into the adhesive coated substrate in a continuous motion avoiding wrinkles and folds.
- Using a push broom, apply firm downward pressure to the membrane to promote 100% adhesion to the substrate.
- Install adjoining panels in a similar manner, lapping edges a minimum of 3" (76 mm) in preparation for seaming.
- TPO Bonding Adhesive LVOC may be dispensed by means of Power Roller or Spray equipment. Contact GenFlex for recommendations.

## APPLICATION PRECAUTIONS

100% adhesive coverage on both the membrane and substrate is required.

## PRODUCT DATA SHEET

# TPO Bonding Adhesive LVOC

Do not apply bonding adhesive to seam areas.

Avoid globs or puddles of adhesive.

## PRODUCT DATA

SIZE	CONTENTS	PRODUCT #
5 gallon (18.9 Liter)	1 Five Gallon Pail	W590030098

**Coverage Rate:** Correctly applied, 1 gallon (3.8 L) of bonding adhesive will cover approximately 45 – 60 ft<sup>2</sup>/gal (1.1 – 1.4 m<sup>2</sup>/L) of finished surface.

Some insulation surfaces are more uneven and porous and will result in a lower coverage rate while smooth non-porous substrates will result in higher coverage rates. Rates are based on roller application to both mating surfaces.

Very porous substrates (Rough wood, concrete block) may require two coats of Bonding Adhesive, to ensure proper coverage and adhesion. This can be determined by adhering a small piece of membrane to the porous substrate and testing the bonding strength.

## LEED INFORMATION

Recycled Content

Post Consumer 0%

Post Industrial 0%

V.O.C. Content Less than 250 g/L

**Note:** VOC content is >250 g/L in non-exempt Air Quality Management Districts (AQMD) in the state of California. Refer to the applicable rules at [www.arb.ca.gov/capcoa/roster.htm](http://www.arb.ca.gov/capcoa/roster.htm). The Environmental Protection Agency (EPA) has exempted Tert-butyl Acetate when calculating volatile organic compounds.

## 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

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.

Only use in areas with adequate ventilation

Avoid prolonged breathing of vapors and repeated contact with skin.

Do not contaminate with foreign materials

Keep out of reach of children.

Keep away from eyes and use chemically resistant gloves when handling.

Review Material Safety Data Sheet prior to use