

## Product Data Sheet

# GENFLEX TPO BONDING ADHESIVE



### Description

GenFlex TPO Bonding Adhesive is used to adhere GenFlex TPO membrane to various approved substrates including polyisocyanurate and wood fiberboard insulations. This adhesive must be used on GenFlex TPO applications requiring UL & FM ratings.

### Physical Properties

PROPERTY	TYPICAL VALUES
Base	Neoprene
Color	Amber
Solids	24.5% ± 4.0%
Solvents	Toluene, Hexane, Heptane
Viscosity	2000-3000 cps, RVF Brookfield, #3 Spindle @ 10 RPM
Specific Gravity	7.05 ± 0.1 lb/gal (0.84 ± 0.1 kg/L)
Weight	.845 ± .005

### Installation (Standard TPO)

1. Surfaces to receive the TPO Bonding Adhesive 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 both the approved substrate and the TPO membrane. Apply adhesive with either a 9" (228 mm) wide solvent resistant medium nap roller, approved spray equipment or power roller equipment.
4. Apply the adhesive in a uniform manner to both surfaces avoiding globs and puddles of adhesive that may lead to blistered membranes. If the adhesive is spray applied, it must be back-rolled with a similar type roller to assure proper contact and coverage. **DO NOT APPLY ADHESIVE TO THE SEAM AREA OF THE MEMBRANE.**



5. Allow adhesive to dry completely to a dry finger touch push test. 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 mating. **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.

### Product Data

SIZE	CONTENTS	PRODUCT #
5 gallon (18.9 Liter)	NA	W590010076

**Flash Point:** Less than 0°F (16°C)

**Coverage Rate:** Correctly applied, 1 gallon (3.8 L) of bonding adhesive will cover approximately 60 - 70 sq ft (5.6 m<sup>2</sup> - 6.5 m<sup>2</sup>) of finished surface.

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### Tolerance Limit:

Toluene	100 parts per million in air
Hexane	50 parts per million in air
Heptane	400 parts per million in air

### LEED Information

#### Recycled Content

Post Consumer	0%
Post Industrial	0%

V.O.C. Content 682.5 g/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

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.

Use with adequate ventilation (Open all doors and windows).

Close containers after use and avoid prolonged breathing of vapors and repeated contact with skin. Keep away from eyes.

Avoid prolonged and repeated contact with skin.

Keep out of reach of children.

Use chemically resistant gloves.

Review Material Safety Data Sheet prior to use.