

Product Data Sheet

EPDM BONDING ADHESIVE LVOC



Description

GenFlex EPDM Bonding Adhesive LVOC is a solvent based contact adhesive designed specifically for bonding GenFlex EPDM 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	Tert-butyl Acetate, Ethyl Acetate, Toluene
Solids	22% (min.)
Viscosity	2,500 – 3,500 cps, R.V.F. #3 Spindle @ 10 RPM
Specific Gravity	0.93 ± 0.20 kg/L
Weight/Gallon	7.8 ± 0.20 lb/gal
VOC Content	Actual VOC content, less water and exempt solvents (including Tert-Butyl Acetate) is less than 250 grams/liter as supplied, and is considered VOC exempt in jurisdictions recognizing such exempt solvents.

Installation

1. Surfaces that will receive GenFlex EPDM Bonding Adhesive LVOC must be clean, smooth, dry, and free of sharp edges and loose materials and other contaminants. Sweep the mating surface of the membrane with a stiff broom to remove excess dusting agent, if present, and remove other contaminants from the mating surface. **Substrate and ambient temperatures shall exceed 20 °F (-6.7 °C) and rising before applying EPDM Bonding Adhesive LVOC.**
2. Stir the adhesive thoroughly before and during use, achieving a uniform mix with no sediment on the bottom and no marbling evident. **DO NOT THIN MATERIAL.**
3. Fold the EPDM roofing membrane back so one-half (½) of the underside of the panel is exposed.
4. Apply the bonding adhesive to the substrate and the EPDM membrane at about the same time using a 9" (228 mm) medium nap roller. A coverage rate of 45 – 60 ft²/gal (1.1 – 1.4 m²/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.
5. 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.**
6. Apply the adhesive coated membrane into the adhesive coated substrate in a continuous motion avoiding wrinkles and folds.
7. Using a push broom, apply firm downward pressure to the membrane to promote 100% adhesion to the substrate.
8. Install adjoining panels in a similar manner, lapping edges a minimum of 3" (76 mm) in preparation for seaming.
9. EPDM Bonding Adhesive LVOC may be dispensed by means of Power Roller or Spray equipment. Contact GenFlex for recommendations.

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Application Precautions

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

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	W590010174

Coverage Rate

Correctly applied, 1 gallon (3.8 L) of bonding adhesive will cover approximately 45 – 60 ft²/gal (1.1 – 1.4 m²/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%

Manufacturing Location South Bend, IN

Storage

- Store in original unopened containers at temperatures between 60 °F (15.6 °C) and 80 °F (26.7 °C) until ready for use. Product must be used within four hours of transport to the roof. Return unused material to warm storage for a minimum of 24 hours.

- For optimum results, rotate your stock to ensure stored material has not exceeded the shelf life of one year.
- Shelf life of one year can be expected if stored in original sealed container at temperatures between 60 °F (15.6 °C) and 80 °F (26.7 °C). If exposed to lower temperatures, restore to room temperature prior to use.
- Shelf life will be shortened if exposed to elevated temperatures. Rotate and mix thoroughly to insure stored material will not go beyond the shelf life of one year.

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 Safety Data Sheet prior to use.