



MEMBRANE RESTORATION

Millennium LVOC Single-Ply Bonding Adhesive EPDM/TPO



DESCRIPTION

Millennium LVOC Single-Ply Bonding Adhesive is a solvent based contact adhesive formulated to adhere EPDM and TPO. Millennium LVOC Single-Ply Bonding Adhesive has been formulated with low VOC solvents for use in OTC regulated markets, but not for sale in the state of California.

BASIC USE

Adhering EPDM and TPO roofing membranes to approved insulations in addition to wood, metal, masonry and other acceptable substrates.

APPROVED SUBSTRATES

Acceptable substrates include: Polyiso, Polyiso HD, DensDeck® Prime, SECUROCK®, DEXcell®, OSB, plywood, metal, residual asphalt, and masonry.

APPROVED MEMBRANES

EPDM and TPO.

SAFETY

Do not use in a confined space or around heat, flame or sparks. Prevent fumes from entering building via air ventilation ducts. Avoid breathing adhesive vapors. Wear safety glasses or goggles to prevent contact with eyes. Wear gloves that meet ANSI/ISEA 105-2016 to protect when applying adhesive. Keep out of the reach of children. Read Safety Data Sheet for complete safety information before use.

LIMITATIONS

- Not for use on PVC or KEE membranes.
- Do not use on extruded or expanded polystyrene insulation.
- Do not apply to wet or damp surfaces. This includes primers. Allow solvent based primers to completely dry before using the adhesive.
- Do not apply when surface temperatures are below 40°F (4°C).

EQUIPMENT

- Solvent resistant paint roller
- Spray rigs designed to apply adhesives
- Commercially available adhesive dispensers

COLOR

Yellow

SURFACE PREPARATION

All surfaces to be adhered should be thoroughly dry, clean, and free of dust and loose debris. Membranes and substrates should be free of oil, grease, and other contaminants.

FEATURES

Low VOC content of 216 g/l*

High-strength adhesive

Excellent adhesive performance

Fast application

BENEFITS

Useful in OTC regulated markets

Allows for quick bonding time

Compatible with a wide range of substrates

Labor savings for contractor

*In all jurisdictions that recognize Tert-Butyl Acetate as a VOC exempt solvent

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Application

1. Thoroughly stir the adhesive before and during use. Do not use electric drills to mix the adhesive. Do not thin adhesive. Thinning will affect adhesive performance. The color should be consistent with no solids remaining on the bottom.
2. Millennium LVOC Single-Ply Bonding Adhesive is a contact adhesive that needs to fully “flash-off” before the membrane and substrate surface are joined together. To ensure the adhesive flash-off time is approximately the same, apply the bonding adhesive to both surfaces in one application. The bonding adhesive can be applied using a solvent resistant paint roller, spray rigs designed to apply adhesives or commercially available adhesive dispensers. If the adhesive is spray applied, it is recommended to roll the adhesive with a solvent resistant roller.
3. Position the membrane into place and allow adequate time for the membrane to relax.
4. “Barn Door” fold the membrane onto itself exposing the substrate and bottom of the membrane. Apply the adhesive in a uniform and consistent coat; avoiding globs and puddles and light areas. Make sure not to apply bonding adhesive over areas which will be used to create field or flashing seams.
5. Allow the adhesive to fully flash-off and become tacky. Using the finger-push method, check the adhesive by applying pressure with a finger to the adhesive while pushing across the adhesive.
6. After adequate flash-off time, roll the membrane onto the adhesive coated substrate and immediately brush the membrane with a stiff bristle broom to ensure maximum contact.

STORAGE

1. Store in original unopened containers at temperatures between 60°F (15.6°C) and 80°F (26.7°C).
2. When stored in cooler temperatures, allow material to warm to room temperature before using.
3. Do not allow material to be stored in direct sunlight.
4. Rotate stock. Do not use product past 12 month shelf life.

SHELF LIFE

1. When stored in original unopened containers at temperatures between 60°F (15.6°C) and 80°F (26.7°C), a shelf life of 12 months can be expected.
2. The expected shelf life can be shortened if product is stored exceeding recommended temperature levels.

PACKAGING AND COVERAGE

Millennium LVOC Single-Ply Bonding Adhesive is available in the following package:

<u>Pails Size</u>	<u>Part #</u>	<u>Pails/Pallet</u>
5 Gallon (18.9L)	15236-P39F	45

A coverage rate of 45 to 60 sq. ft. of finished roof, per gallon, should be expected. Coverage rates will vary depending upon the type of substrate and substrate surface. Some substrates are more porous and will absorb more adhesive resulting in a lower coverage rate. Other substrates have smooth dense facers resulting in a higher coverage rate. Coverage rates are based on applications using a 3/8 inch solvent based paint roller cover.



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WARRANTY: H.B. Fuller warrants its products to conform to H.B. Fuller's specifications at the time of sale when tested according to H.B. Fuller standards. If a product is proven to be defective when tested according to H.B. Fuller standards, H.B. Fuller will, at its option, refund the purchase price or replace or repair the defective product. THIS LIMITED WARRANTY IS THE BUYER'S SOLE AND EXCLUSIVE REMEDY AGAINST H.B. FULLER AND IS IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. In no event shall H.B. Fuller be liable for any special, incidental, consequential, or punitive damages arising out of any claims whether based on negligence, contract, warranty, strict liability or otherwise.