

SINGLE-PLY RESTORATION

Millennium KEE/PVC Single-Ply Bonding Adhesive



DESCRIPTION

Millennium KEE/PVC Single-Ply Bonding Adhesive is a solvent based contact adhesive formulated to adhere KEE and PVC Single-ply commercial waterproofing membranes.

BASIC USE

Millennium KEE/PVC Single-Ply Bonding Adhesive is designed for adhering KEE and PVC roofing membranes to wood, metal flashings, brick or block masonry, insulation, coverboards and barrier boards, and other acceptable substrates.

APPROVED SUBSTRATES

- Wood
- Metal flashings
- Brick or block masonry
- Insulation
- Coverboards
- Other approved substrates

APPROVED MEMBRANES

KEE and PVC.

COLOR

Tan

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.

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 105-2005 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 EPDM or TPO membranes.
- Not to be applied direct to expanded or extruded polystyrene insulation.
- Do not apply to wet or damp surfaces.
- Do not apply when surface temperatures are below 25°F (-3.8°C).

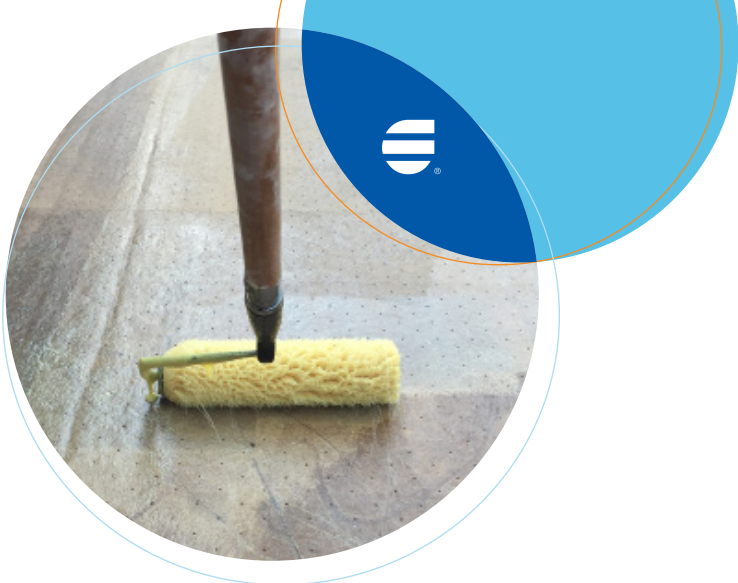
EQUIPMENT

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

FEATURES

BENEFITS

High-strength adhesive	Excellent long-term uplift performance
Approved for use down to 25°F	Extends the Roofing Season in cold climate regions
VOC content 200 g/l	Single formula approved for use in all VOC regulated markets
Excellent low temperature Spreadability	Easy to apply, saves labor
Tough green strength	Improved workability on vertical surfaces



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 KEE/PVC 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. 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 to both the substrate and the underside of the waterproofing membrane, avoiding 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.
Note: the adhesive must be completely dry before mating the membrane with the substrate. Covering wet adhesive and trapping solvent between the membrane and substrate may result in blistering and other surface defects.
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 and 80°F.
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 in temperatures exceeding recommended storage levels.

PACKAGING AND COVERAGE

Millennium KEE/PVC Single-Ply Bonding Adhesive is available in the following package:

Pails Size	Part #	Pails/Pallet
5 Gallon (18.9L)	15271-P35A	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.

Physical Properties	DC15271 TDS Specifications
Color	Tan
Viscosity	500 – 2,000 cps (#2 @ 20)
Solid Weight	24% +/- 3%
Coverage	45 – 60 ft ² /Gal (1.2 m ²) of bonded surface
V.O.C.	<200 g/L
Application	Spray, Brush, Roller
Open Time	10 – 30 min.
Shelf Life	12 months
Storage	Closed container/between 60°F and 80°F
Weight / Gallon	7.1 (0.85) lbs. shipped in 5 gal. pails
Working Temp. Range	25°F and rising/up to 90°F



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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.