

Get the Royal Edge Advantage with RPI



Royal Edge Low VOC Bonding Adhesive

ROYAL EDGE ADHESIVES

DESCRIPTION

RPI Low VOC Bonding Adhesive is a solvent based contact adhesive specially formulated to adhere RPI Royal Edge EPDM, Re-Flex EPDM, and Re-Flex TPO membranes to wood, metal flashings, brick or block masonry, rooftop flashings, insulation boards, recover, barrier boards, oriented strand boards, and other acceptable substrates. This product meets the Low VOC requirements of the OTC Model Rule for single-ply roofing adhesives.



THE ROYAL EDGE ADVANTAGE

- Compatible with RPI EPDM and TPO membranes.
- Easily applied using 3/8" or 1/2" nap solvent based rollers
- Provides instant adhesion to EPDM and substrates with long term performance

MIXING AND USE REQUIREMENTS

Keep the adhesive in a warm (room temperature) area until use. If the temperature of the adhesive falls below 50°F, allow the adhesive to warm to 60°F to 90°F before mixing and application.

Stir or mix the adhesive a minimum of once per day. Do not use electric drills for mixing the material. When mixing, be sure to scrape all materials from the sides and bottom of the pail.

The adhesive must be thoroughly mixed until all solids are blended and the adhesive is a uniform color and consistency. Keeping the adhesive warm will aid in the mixing process.

APPLICATION

1. All surfaces to be adhered should be completely dry, clean, and completely free of dust and loose debris. Membrane and substrates should be free of oil, grease, and other contaminants. If necessary, sweep the substrate and membrane with a push broom before applying the Bonding Adhesive.
2. Thoroughly stir the adhesive until any settled pigments/solids are blended and the adhesive is uniform in color.
3. Using a 9" roller with a solvent based cover, apply the Bonding Adhesive to the substrate and membrane in one application. Apply the adhesive to both surfaces in an even coat without puddles or globs. Do not apply to areas that will later be field seams or flashings.
4. Allow the adhesive to "flash-off" and become tacky. Using the finger-push method, check the adhesive by pushing your finger across the adhesive while applying pressure. If your finger slides, the adhesive is still wet and more flash-off time must be allowed. When the adhesive is flashed off, mate the adhered surfaces together.
5. To ensure complete adhesion, the adhered membrane must immediately be broomed into place using a push broom with heavy pressure.

APPLICATION PRECAUTIONS

1. Mating the adhered surfaces together before the adhesive has completely flashed off may cause blisters to form in the membrane. This occurs as the solvents expand under the membrane. Blisters will typically draw down as the membrane goes through several expansion/contraction cycles (warm/cold). Blisters look unsightly but do not harm the membrane.
2. Royal Edge Low VOC Bonding Adhesive vapors are extremely flammable. Do not use indoors or in unventilated areas. Do not use near air transfer or ventilation systems.
3. Do not smoke during application. Keep away from all sources of ignition.

COVERAGE RATES

A coverage rate of 60 sq.ft. per gallon should be expected. Coverage rate will vary depending upon the type of substrate and the substrate surface. Some substrates are more porous and may require more adhesive. Other substrates with smooth, dense facers may result in a higher coverage rate. Coverage rates are based upon applications using a 3/8" nap, solvent based roller cover.

Typical Properties and Characteristics

Base	Synthetic Rubber
Color	Yellow
Solids	22%
Flash Point	0 °F (-17 °C) Close Cup
VOC	250 g/l max
Brookfield Viscosity	3500 centipoises
Net Wt. per ctn.	8.0 lbs per gallon
Packaging	5-gallon pail
Shelf Life	1 year

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.

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PRECAUTIONARY DATA

1. For professional use only.
2. Extremely Flammable. Vapors may ignite explosively under certain conditions. Do not smoke when using. Keep away from open flames, sparks, and other sources of ignition. Close containers after use. Provide Adequate ventilation.
3. Avoid contact with skin and eyes. Protective eye wear along with OSHA approved gloves should be worn.
4. Do not thin.
5. When using in cold temperatures, keep the adhesive at room temperature before applying. If adhesive is below 60° F allow the adhesive to warm to 60° F before attempting to use.
6. Keep out of reach of children.
7. Always cover adhesive when not in use. Do not allow adhesive to "skin over", or sit open for extended periods. Opened containers can be re-sealed and opened for use at a later date if properly sealed. Re-use after one week is not recommended.
8. Use only in well ventilated areas.
9. Do not use indoors or in outdoor areas that do not have adequate ventilation.
10. If swallowed, do not induce vomiting. Call a physician immediately.
11. Avoid contact with skin. Wash hands thoroughly after handling. In case of contact with skin, wash affected areas with soap and water.
12. Do not allow job-site storage temperatures in excess of 90° F. High storage temperatures will affect the product shelf life. If the product is stored near or below 60° F, allow the product to warm to room temperature before using.

PACKAGING

Available In:

5 gallon pails 45 pails per pallet

STORAGE

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 stored in temperatures exceeding recommended storage levels.
3. When stored in cool temperatures, allow product to warm to room temperature before use.



See UL Roofing Materials and Systems Directory R10073

LEED® Information

Pre-consumer Recycled Content	0%
Post-consumer Recycled Content	0%
Manufacturing Location	Greenville, IL
VOC Content	250 g/L