



Water Tight Technologies, LLC
 P.O. Box 899
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 www.britenez.com

Product Data Sheet

Water Based Bonding Adhesive for use on both TPO and EPDM membrane

Description:

BRITE-n-EZ™ TPO / EPDM Water Based Bonding Adhesive is environmentally friendly with low VOC's. This adhesive may be used on vertical and horizontal surfaces to adhere *BRITE-n-EZ™ TPO Membrane* to non-foil faced ridged foam insulation, polystyrene insulation, high density wood fiberboard, plywood, OSB, concrete, block or brick. Because *BRITE-n-EZ™ TPO* is much stiffer than *RUBBERALL® EPDM* and tends to bridge low spots on the roof surface, *BRITE-n-EZ™ Water Based Bonding Adhesive* must be applied to both the substrate surface and the TPO membrane surface. Average coverage rate is 60 - 100 sq. ft. per gallon total roof area when applied to both surfaces.

Physical Properties:

| PROPERTY | PHYSICAL PROPERTIES |
|----------------------|-----------------------------------|
| Color | Whitish liquid |
| Hazardous Components | None |
| Solvent Content | 0% |
| Specific Gravity | 1.01 ± .02 (H ₂ O = 1) |
| Flash Point | N/A |
| Weight | 8.4 lbs / gal. |

Installation - Horizontal:

1. The deck surface must be clean, dry, smooth, and free of any foreign materials, grease, or oil.
2. Position the membrane over approved substrate and allow to relax for one-half (½) hour prior to bonding
3. Stir adhesive thoroughly and during use. **DO NOT THIN THIS MATERIAL.** It is recommended that the application temperature be above 40° F
4. Fold membrane back so one-half (½) of the underside of the panel is exposed.
5. Using a 9" medium nap roller, apply adhesive continuously onto the substrate and membrane. Cover the substrate and membrane at a coverage rate of approximately 120 – 200 sq ft/gal. A 100% adhesive coverage is required for both the membrane and the substrate.
6. Allow the adhesive to dry completely to dry finger touch/push test. Upon drying, the adhesive goes from a light white film to a transparent or clear film. **Do not install the membrane until the adhesive has adequately dried.**
7. Fold the membrane into adhesive, avoiding wrinkles. Using a push broom apply positive downward pressure to the surface of the membrane to promote 100% adhesion.
8. Fold back the unbonded half sheet and repeat the bonding procedure.

Installation - Vertical:

1. For extremely porous substrates such as concrete blocks apply a light seal coat of the adhesive to the substrate and allow it to dry.
2. Using a 9" medium nap roller, apply adhesive continuously on to the substrate and membrane. Cover the membrane and wall at a coverage rate of approximately 120 – 200 sq ft/gal. A 100% adhesive coverage is required for both the membrane and the wall.
3. Allow the adhesive to dry completely to dry finger touch/push test. Upon drying, the adhesive goes from a light white film to a transparent or clear film.
4. The flashing membrane should be mechanically secured to the wall, per the selected termination detail, immediately after it is adhered to the wall.

Application Precautions:

- Do not apply horizontally to non-porous surfaces such as polyethylene and foil faced polyisocyanurate insulation.
- Avoid globs or puddles of adhesive.
- Do not apply adhesive to seam area.
- Adhesive must be dried completely to a finger touch/push tack test prior to bonding of membrane to substrate. The product dries from a white film to a transparent film. Do not install the membrane until the adhesive has adequately dried.
- Do not use this adhesive if ambient temperatures will fall below 40°F within the next 48 hours.
- The outside temperature, on the roof, must be above freezing at ANY time 48 hours after mating the TPO membrane.
- Drying times will vary depending on ambient conditions including relative humidity and porosity of the substrate.
- Avoid installations where high levels of interior moisture are present in levels high enough to effect the drying time or performance of the adhesive.
- Porous substrates like block require more adhesive coverage.



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PLEASE NOTE:

BRITE-n-EZ™ TPO/EPDM Water Based Bonding Adhesive also carries the *RUBBERALL®* logo and may be used for both *BRITE-n-EZ™ TPO* and *RUBBERALL® EPDM* roofing systems. The product label indicates the product is applied to both surfaces. However, when this product is used as an adhesive for EPDM on a horizontal surface, the adhesive may be applied at double the rate per square foot to the substrate surface only and the membrane lay in is done while the adhesive is still wet. This difference in application is because the EPDM membrane is very supple (unlike TPO which is stiffer) and will conform to variations in the roofing surface when broomed or rolled.

Product Data:

Available Sizes: 1 gallon and 5 gallon

Carton Size: 4 (four) – 1 gallon cans per container
5 gallons pails sold separately

Storage: Store in cool, dry well ventilated facility. Keep containers closed when not in use. Keep from freezing.

Shelf Life: Shelf life of 12 months can be expected when stored at temperatures between 40° and 80° F in original unopened carton. **Rotate stock.**

Precautionary Data:

- **This material should not be allowed to freeze.** If the product looks like cottage cheese when opened it should not be used.
- Use with adequate ventilation. Avoid prolonged breathing of vapors or repeated contact with skin.
- Keep out of reach of children.
- Do not dilute or contaminate this material.