



PRODUCTS FOR OUR ENVIRONMENT

TECHNICAL DATA SHEET

ERS-TPO WB Contact Adhesive

For Professional Use Only

PRODUCT DESCRIPTION:

ERS-TPO WB Contact Adhesive is a semi pressure-sensitive water based bonding adhesive. This product may be used as a one-sided, wet lay-in adhesive with Ecology Roof Systems' FB (fleece backed) EPDM and TPO membranes or as a 2-sided contact adhesive with Ecology Roof Systems' standard EPDM and TPO membranes.

SPECIFICATIONS:

Base	Acrylic
Color	White (translucent when dry)
Solids	62.5 %
Flash Point	None
Brookfield Viscosity	16,000 Centipoise
Average Net Weight	8.8 lbs/gal
Packaging	5 Gallon Pail
Shelf Life	1 Year
VOC	8 grams per liter

PRECAUTIONS:

1. Review the applicable Material Safety Data Sheet for complete safety information prior to use.
2. Keep container closed when not in use. Use with adequate ventilation. If inhaled, remove to fresh air.
3. If swallowed, **DO NOT INDUCE VOMITING**. Call a physician immediately.
4. Avoid contact with eyes. Safety glasses or goggles are recommended. If splashed in eyes, immediately flush eyes with plenty of water for at least 15 minutes. Contact a physician immediately.
5. Avoid contact with skin. Wash hands thoroughly after handling. In case of contact with skin, thoroughly wash affected area with soap and water.
6. Job site storage temperatures in excess of 90°F (32°C) may affect product shelf life. **DO NOT ALLOW TO FREEZE**. Do not store below 40°F.
7. Do not thin the ERS-TPO WB Contact Adhesive. Thinning will affect performance and may coagulate the adhesive.
8. This adhesive is designed to be applied when the ambient temperature is 40°F (4°C) and rising. Do not apply if ambient temperature will drop below 32°F (0°C) before adhesive dries.
9. Opened containers of adhesive should be used within 48 hours. The adhesive will form a thick surface skin that will not re-dissolve. Adhesive can be used once the skinned layer is removed.
10. **KEEP OUT OF THE REACH OF CHILDREN!**

COVERAGE RATES:

Coverage rate is 100 - 120 square feet (11.6sq m) per gallon finished surface when applied to one substrate for wet lay-in with Fleece Backed membrane. When used as a contact adhesive and applied to both the membrane and substrate, the coverage rate will average 50 - 60 square feet (5.8sq m) per gallon. Coverage rates may vary due to conditions such as insulation type or wall construction.

APPLICATION: **

1. The surface, on which or against the adhesive is to be applied, shall be clean, smooth, dry, and free of fins, sharp edges, loose and foreign materials, oil and grease. Depressions greater than 1/4" (6 mm) shall be feathered; using epoxy, mortar or other approved patching material. All sharp projections should be removed by scraping, sweeping, blowing, vacuum cleaning, etc.
2. ERS-TPO WB Contact Adhesive is approved for use on polyisocyanurate, HP Recovery Board, Dens Deck Prime, OSB, plywood, cellular lightweight, and structural concrete. The wet lay-in procedure is not acceptable over existing roof systems or decks with residual adhesive or asphalt.
3. Stir until settled material or phased liquid is redistributed and the adhesive is uniform in color.
4. Apply adhesive to the substrate in a uniform manner avoiding globs, puddles, and uncoated areas.
5. Application methods:
 - a. Squeegee Application - Apply with a 1/8" notched squeegee to attain specified coverage rate.
 - b. Roller Application - Use a medium nap roller
 - c. Mechanical Roller Application - Follow the manufacturer's safety and use procedures.
 - d. Mechanical Spray Application - Follow the manufacturer's safety and use procedures.
 - i. Tip sizes between .019"-.023" in a Graco 510 gun.
 - ii. A minimum fluid pressure of 2,500 psi is required for a fair pattern.
 - iii. Back rolling is recommended.
 - iv. Flush with water at the end of the day.

Fleece Backed Membrane (wet lay-in method): Coat the substrate with ERS-TPO WB Contact Adhesive and roll Fleece Backed membrane into the wet adhesive. Avoid heavy application of adhesive. Immediately install the membrane while the adhesive is still wet. If adhesive has become translucent, recoat with additional adhesive. Broom membrane with a soft bristle push broom or roll with a 100-150 lb. weighted roller to achieve maximum contact. All adhesive residues in the splice area must be removed.

Standard Membrane (2-sided contact adhesive): Apply ERS-TPO WB Contact Adhesive to the membrane and the substrate at the recommended rate. The adhesive must be allowed to dry until the adhesive does not transfer to a dry finger touch or pull away from the membrane. The dried adhesive should remain tacky before assembly. Mate the membrane with the adhesive coated substrate, while avoiding wrinkles. Immediately broom the bonded portion of the sheet with a soft bristle push broom to achieve maximum contact. The adhesive contains no solvents to react with the membrane therefore brooming the sheet is critical. Extended drying times can be expected in cool, overcast, humid, shaded or late day applications. The adhesive must be dry to avoid permanent blisters from trapped moisture. Coated areas exposed to moisture shall be allowed to dry and then recoated. All adhesive residues in the splice area must be removed.

The product is approved for use by Ecology Roof Systems authorized roofing applicators only and is for use in Ecology Roof Systems roofing and waterproofing installations.

* General properties. 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 or specification range for any particular property of this product.

** Review current Ecology Roof Systems Specifications and Details for specific application requirements.

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