



PRODUCTS FOR OUR ENVIRONMENT

## TECHNICAL DATA SHEET

### ERS-EPDM WB Bonding Adhesive

For Professional Use Only



#### PRODUCT DESCRIPTION:

ERS-EPDM WB Bonding Adhesive is an acrylic latex-based adhesive with superior bonding performance. The product is white in color when wet and is clear when dry. The solids content is approximately 60%, and the overall texture is similar to latex paint.

#### USES:

**Single Side Adhesive:** Can only be used as a single-side adhesive when applying over porous surfaces such as plywood, OSB, Dens-Deck, wood, high density fiberboard, moisture-resistant drywall. Single-side application is when the adhesive is only applied to one surface (normally the substrate), and the sheet is immediately rolled in place into the white, wet adhesive. When applied as a single-side adhesive, the EPDM membrane may be moved and adjusted to remove any wrinkles. Working time before set-up takes place is approximately 15 to 20 minutes. As this product is water based and contains no solvents, actual drying time is dependent on temperature and humidity.

**Contact Adhesive:** Can be used as a contact adhesive over non-porous or porous surfaces. This application requires the adhesive to be put on both surfaces to be adhered: then the adhesive is left to dry before mating the surfaces. Can be used on metal, concrete or certain sealed horizontal surfaces. It may also be used as a contact adhesive on approved foam insulations with acceptable facers

#### BENEFITS:

- Non-flammable and non-toxic
- Once set, will not break down when immersed in water for prolonged periods of time.
- Application temperature performance is satisfactory above 45°F and below 165°F.
- Installs easily and smoothly, which speeds up operations.
- Can be re-sealed in container without set taking place.
- Available in 1 gallon pails, 5 gallon pails, 55 gallon drums and 330 gallon totes.

Note: For Horizontal Application Only. The Maximum Permissible Slope is 2" per foot.

#### COVERAGE:

The estimated (theoretical) coverage rates at room temperature are:

- Porous surfaces, 100 to 120 square feet per gallon (1 side application)
- Non-porous surfaces, 50 to 60 square feet per gallon (2 side application)

#### APPLICATION:

Can be sprayed, rolled or brushed on almost any acceptable substrate.

#### INSTALLATION TEMPERATURE:

Do not use adhesive if ambient temperature is below 45°F or if night time temperatures are expected to fall below 40°F within 48 hours after application.

**CAUTION: Product must be stored above 60°F. The product cannot be used once frozen. Do not let ERS-EPDM WB Bonding Adhesive freeze. It is difficult to clean up when spilled on unrelated surfaces if left to dry. Do not double-stack pallets. (See MSDS for more information).**

**CLEAN UP:**

The adhesive can be removed from hands when wet with water and a light detergent. When dry, use a solvent followed by soap and water.

With spray equipment, use water followed by solvent cleaners, followed by water with detergent. Paint roller covers can be left in material until next usage or cleaned with water when wet.

Material spillage can be removed easily with water when wet. If adhesive has dried, peel off as much surface adhesive as possible and clean area with solvent until removed.

**INSTALLATION OVER A POROUS SURFACE:**

Once the EPDM membrane has been positioned and given sufficient time to relax, fold the membrane in half exposing the substrate (deck) surface to be adhered. Starting at the fold, apply adhesive to substrate (deck) only. As you proceed with the adhesive, bring the membrane into the wet, white adhesive. We recommend laying the membrane into the adhesive as soon as possible. This ensures the wetting of the EPDM surface.

Once half of the sheet is in place, use a push broom to sweep the surface, keeping a steady pressure with the broom against the surface of the sheet, mating surfaces and eliminating captured air between the membrane and substrate (deck). If any wrinkles are present, re-position the sheet by using a push broom or by hand to remove the wrinkle. Repeat the procedure for the second half of the sheet.

NOTE: Traffic over membrane should be held to a minimum. You will note footprints in the sheet as the set takes place if you walk across the sheet. These prints should be broomed out and will be less visible once the adhesive cures.

**HANDLING:**

Ecology Roof Systems maintains Material Safety Data Sheets on all of its products. Material Safety Data Sheets contain health and safety information for your development of appropriate product handling procedures to protect your employees and customers. Ecology Roof Systems' Material Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Ecology Roof Systems' products in your facilities.

**RECOMMENDED STORAGE:**

Store in unopened original containers at 60°F - 80°F for maximum storage life. Higher temperatures reduce normal storage life. **DO NOT ALLOW TO FREEZE.** Rotate stock.

## *Ecology Roof Systems*®

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