



PRODUCTS FOR OUR ENVIRONMENT

## TECHNICAL DATA SHEET

# ERS-TPO Bonding Adhesive

For Professional Use Only

### PRODUCT DESCRIPTION:

ERS-TPO Bonding Adhesive is a high strength solvent-based contact adhesive that allows bonding of Ecology Roof Systems membrane to various porous and non-porous substrates.

### ADVANTAGES:

- Fast drying
- Long open tack time
- Excellent heat resistance
- Excellent green strength
- Brushes or roller coats easily over a wide application temperature range

### SPECIFICATIONS:

Color	Yellow
Flash Point	-4 degrees F (-20 degrees C) Closed Cup
Estimated Coverage	60 ft <sup>2</sup> (5.6 square m) per gallon finished surface. Coverage rates are average and may vary due to conditions on the job site. Porous surfaces and substrates may require more bonding adhesive than the typical coverage rate.
Packaging	5 Gallon Pail
Shelf Life	1 Year
Avg. Net Weight	7.4 lbs./Gal (3.2 Kg)

### PACKAGING & STORAGE:

**DOT Label Required:** Flammable Liquid

ERS-TPO Bonding Adhesive should be stored in a closed container between 60°F and 80°F for no longer than one year. Rotate stock.

### INSTALLATION:

Read instruction information on label prior to use. Materials to be bonded should be clean, dry, and free from contaminants. Stir adhesive thoroughly before use. Apply adhesive by roller to the substrate and membrane at the specified coverage rate. Allow to dry 15 to 30 minutes (but still tacky) before assembly. Mate with adequate pressure to ensure contact of all bonding areas. See Ecology Roof Systems Manual for additional application procedures.

### PRECAUTIONS:

1. Review the applicable Material Safety Data Sheet for complete safety information prior to use.
2. ERS-TPO Bonding Adhesive is **EXTREMELY FLAMMABLE** – It contains solvents that are dangerous fire and explosion hazards when exposed to heat, flame or sparks. Do not smoke while applying. Do not use in a confined or unventilated area. Vapors are heavier than air and may travel along ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electrical motors, static discharge, or other ignition sources at locations distant from material handling point and flashback. All containers should be grounded when material is transferred from one container to another. A red caution label is required when shipping. A fire extinguisher should be available. In case of fire, use water spray, foam, dry chemical or carbon dioxide. Do not use a solid stream of water because it can scatter and spread the fire.

3. Avoid breathing vapors. Keep container closed when not in use. Use with adequate ventilation. If inhaled, remove to fresh air. If not breathing, perform artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately. During application, efforts must be made to prevent fumes from entering the building via air ventilation ducts. Do not place open containers or mix adhesive near fresh air intake units. When possible, shut down or seal off the closest units.
4. If swallowed, **DO NOT INDUCE VOMITING**. Call a physician immediately.
5. Avoid contact with eyes. Safety glasses or goggles are recommended. If splashed in eyes, immediately flush eyes with plenty of clean water for at least 15 minutes. Contact a physician immediately.
6. Avoid contact with skin. Wash hands thoroughly after handling. In case of contact with skin, thoroughly wash affected area with soap and water. Contact physician if irritation persists.
7. **Do not thin TPO Bonding Adhesive**. Thinning will affect performance. Excessively thick or gelled material should be discarded.
8. Job site storage in excess of 90°F (32°C) may affect product shelf life. Should the TPO Bonding Adhesive be stored at temperatures lower than 60°F (15°C) restore to room temperature prior to use.
9. Opened containers of TPO Bonding Adhesive should be used within 48 hours. Adhesives will begin to thicken after this point, making it difficult, and eventually impossible, to control applied thickness. In hot weather, do not leave sealed containers on roof for prolonged periods of time. In cold weather, keep material at room temperature until ready to use. Stir adhesive occasionally while using.
10. **Adhesive must be allowed to dry thoroughly**. If membrane is mated with the substrate prior to the adhesive being dry, blistering will occur and not subside over time.
11. **KEEP OUT OF THE REACH OF CHILDREN!**

Note: Solvent resistant gloves are recommended to be worn when using this product to protect hands from irritating ingredients.

**MIXING:**

Stir thoroughly until all settled pigments are dispersed and the adhesive is uniform in color. Minimum 5 minutes stirring is recommended.

## *Ecology Roof Systems*®

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### REGIONAL OFFICES LOCATED ACROSS THE U.S.

To the best of our knowledge, all technical data contained herein is true and accurate as of the date of issuance and subject to change without prior notice. User must contact Ecology Roof Systems to verify correctness before specifying or ordering. We guarantee our products to conform to the quality control standards established by Ecology Roof Systems. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any is limited to replacement of the product. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY ECOLOGY ROOF SYSTEMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.