



PRODUCTS FOR OUR ENVIRONMENT

TECHNICAL DATA SHEET

ERS-TPO Pourable Sealer

For Professional Use Only

PRODUCT DESCRIPTION:

ERS-TPO Pourable Sealer is a one-part, moisture curing, elastomeric polyether sealant providing rapid skin time when exposed to atmospheric moisture forming a waterproof rubber surface in less than an hour. Moisture curing continues for fourteen to twenty-eight days, until a two-inch deep solid rubber seal encases the penetration. Complete cure time will vary depending on relative humidity and temperature. ERS-EPDM/TPO Tape Primer must be applied to all surfaces that will be in contact with the ERS-TPO Pourable Sealer. Primer is not used with the ERS-TPO Sealant Pockets. Unused sealant remaining in the pouch will remain useable up to 30 days if pouch is resealed with original cap.

USES:

This product is designed for use with ERS-TPO Sealer Pockets. The sealant's one-part, pourable consistency allows for quick pocket filling without mixing.

PHYSICAL PROPERTIES:

Color	White
Odor	Mild ester smell (mint) when wet. Odorless when dry.
Specific Gravity	1.37 (11.5 lbs/gallon) – 1.44 (12.0 lbs/gallon)
Viscosity (Brookfield RTV), cps	Self leveling 20,000 – 50,000
Hardness (Shore A) ASTM C 0661	25 - 35
Tack Free Time ASTM C 0679	Less than 1 hour @ 70 degrees F. (21 degrees C)
Low Temperature flex PASS	Minus 20 degrees F. (Minus 29 degrees C)
Shrinkage (14 day cure)	No measurable shrinkage
Long term weatherability ASTM G 53	No crazing or cracking
Service Temperature ASTM 2453	Minus 40 degrees F to 200 degrees F. (Minus 40 degrees C to 93 degrees C)
Elongation @ Break, % ASTM D 412	450
Long Term Weatherability ASTM G 53	No Cracking or crazing
- 98 cycles @ 12 hours/cycle	
- Condensate exposure: 4 hrs @ 122°F (50°C)	
- U.V. exposure – 8 hrs@ 158°F (70°C)	

COVERAGE:

One 0.5-gallon pouch (2-liter) will fill 122 cubic inches of volume within a sealant pocket. One ERS-TPO Sealer Pocket will require 0.46 gallons (1.75 liters) to fill completely (with no penetrations).

PACKAGING & STORAGE:

Each carton contains: 4 – 0.5 Gallon pouches per bucket (4-2 liter)

Weight Per Carton: 29 lbs/bucket (13.15 kg)

Shelf life is established at 18 months. Shelf life is based on storage in original, unopened or undamaged containers at temperatures ranging from 60°F to 80°F. Should the ERS-TPO Pourable Sealer be exposed to lower temperatures, restore to room temperature prior to use.

INSTALLATION INSTRUCTIONS:

1. Bonding surfaces must be free of moisture, dirt, or any contaminants. Any previously applied asphalt, caulking, or sealants must be removed from the penetration(s).
2. Clean all surfaces with ERS-Weathered Membrane Cleaner.
3. Fill any voids in the roof deck around the penetration(s) to prevent sealant from seeping through roof. Make sure any openings between the penetrations and the membrane are sealed prior to filling the pocket with sealer.
4. ERS-EPDM/TPO Tape Primer is required for prepping the interior surfaces of the pocket. After welding the pocket in place, apply ERS-EPDM/TPO Tape Primer to all bonding surfaces including penetration(s), TPO membrane, inside walls and rim of ERS-TPO Sealer Pocket. Allow primer to dry.
5. Remove cap from 0.5-gallon (2-liter) pouch and pour ERS-TPO Pourable Sealer directly into pocket. Fill pocket completely until rim is covered with ERS-TPO Pourable Sealer making sure all voids are filled.

PRECAUTIONS:

ERS-TPO Pourable Sealer contains ingredients that could be harmful if mishandled. Contact with skin and eyes should be avoided and necessary protective equipment and clothing should be worn.

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.

Ecology Roof Systems[®]

Corporate Offices: 9821 Olde Eight Road, Unit F, Northfield, OH 44067
PHONE: 330-467-4220 FAX: 330-467-4225 www.ecologyroof.com

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.