



PRODUCTS FOR OUR ENVIRONMENT

TECHNICAL DATA SHEET

ERS-TPO RUSS

For Professional Use Only



PRODUCT DESCRIPTION:

ERS-TPO RUSS is a nominal 0.045" (1.14mm) thick reinforced TPO membrane strip with a nominal 0.035" (0.89mm) thick, fully cured synthetic rubber pressure sensitive adhesive laminated along one edge. The pressure sensitive adhesive is non-staining and will not affect the color of the membrane over time. The reinforced TPO membrane is 6" (150mm) wide while the adhesive strip is 3" (75mm) wide.

USES:

ERS-TPO RUSS may be used with TPO and White-on-Black EPDM membrane and should only be installed on horizontal surfaces using specified fasteners below the roof membrane to provide additional securement at angle changes.

PHYSICAL PROPERTIES:

6" TPO / White EPDM Pressure-Sensitive RUSS

Base	Membrane-TPO (Polyester Reinforced) Adhesive-Synthetic Rubber
Thickness	Membrane 0.045" (1.14mm) Adhesive 0.035" (0.89mm)
Size	6" x 100' (150mm x 30.5m)
Packaging	200 lf/ctn (60m) - 2 rolls
Weight/Carton	40 lbs. (18.1 kg)
Shelf Life	1 year

STORAGE:

ERS-TPO RUSS must be stored in a **dry** area. Job site or warehouse storage temperatures in excess of 90°F (32°C) may affect product shelf life. Prolonged job site or warehouse exposure to temperatures below 40°F (4°C) will cause tape adhesive to lose tack and in extreme cases not bond to the membrane. If this situation is encountered, remove ERS-TPO RUSS to a warm area and allow it to return to a minimum of 60°F (15°C).

PRECAUTIONS:

ERS-TPO RUSS may only be installed on horizontal surfaces. Review the applicable Material Safety Data Sheet for complete safety information prior to use. Due to solvent flash-off, condensation may form on freshly applied ERS-EPDM/TPO Tape Primer when the ambient temperature is near the dew point. If condensation develops, the application of primer and installation of TPO Pressure-Sensitive RUSS must be discontinued as proper adhesion will not be achieved. Allow the primer surface to dry and apply a thin freshener coat of Tape Primer to the previously coated surface when conditions allow.

INSTALLATION INSTRUCTIONS:

1. Locate the tab with fastener markings toward the wall and the pre-applied tape toward the field of the roof and facing upwards. Membrane must be fastened on the horizontal. Use only specified fasteners and plates.
2. Position specified seam plates 1/8" to 3/4" (3 to 19mm) from the angle change and 12" (300mm) on center maximum and secure with an appropriate fastener. Do not fasten plates over top of the release liner as this will cause the liner to tear when removed.
3. Remove any dirt or dust resulting from plate installation. Any residual dust/dirt will be detrimental to the bond strength of the tape adhesive.

4. Position membrane and thoroughly clean the underside of the membrane using ERS-Weathered Membrane Cleaner, if necessary. The entire surface where the tape is to contact the membrane must be clean. The adhesive on the ERS-TPO RUSS will not adhere to dusted / dirty surfaces.
5. Roller apply ERS-EPDM/TPO Tape Primer to the underside of the deck membrane in the area that will come in contact with the 3" wide tape. The properly primed area will be uniform in color without streaks and free from globs or puddles.
6. Remove the release liner from the adhesive on the ERS-TPO RUSS pulling it parallel to the roof deck.
7. Roll the membrane onto the exposed adhesive and apply hand pressure to the seam area.
8. Pull the membrane back to expose the unadhered portion of the ERS-TPO RUSS. Apply specified Ecology Roof System to the membrane, exposed ERS-TPO RUSS and parapet wall.
9. Once the adhesive has dried (but still tacky to the touch), roll membrane to the angle change and crease. (Take extra care in creasing TPO membrane into the angle change to achieve desirable appearance). Roll the membrane up the wall and broom for 100% adhesion.
10. Roll the entire 6" (150mm) width of the ERS-TPO RUSS seam area with a 2" (50mm) wide roller using positive pressure.
11. To achieve proper adhesion of the ERS-TPO RUSS when job site temperatures fall below 40°F (5°C), heat the cleaned/primed area of the membrane with a hot air gun as the flashing is applied and pressed into place.

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