

MULE-HIDE TPO PRESURE-SENSITIVE RUSS™ (6")

PRODUCT DESCRIPTION

TPO Pressure-Sensitive 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.

BASIC USES

TPO Pressure-Sensitive RUSS may be used with TPO and White-on-Black EPDM membrane and should only be installed on horizontal surfaces using an appropriate Mule-Hide fastener below the roof membrane to provide additional securement at angle changes. For TPO membrane, Mule-Hide MH-HD 15 and MH-HD Seam Plates (Carlisle HP-X Fasteners and Piranha Plates are acceptable alternates) are utilized for RUSS securement while Mule-Hide HD Fasteners and 2" Barbed Seam Plates (Carlisle HP Fasteners and Seam Fastening Plates are acceptable alternatives) are used with the White-on-Black EPDM membrane.

TYPICAL PROPERTIES AND CHARACTERISTICS

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

TPO Pressure-Sensitive 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 TPO Pressure-Sensitive RUSS to a warm area and allow it to return to a minimum of 60°F (15°C).

PRECAUTIONS

TPO Pressure-Sensitive RUSS may only be installed on horizontal surfaces. Mule-Hide MH-HD 15 Fasteners and MH-HD Plates (Piranha Plates and Carlisle HP-X Fasteners are acceptable alternatives) must be used when installing TPO Pressure-Sensitive RUSS with TPO membrane. Mule-Hide HD Fasteners and 2" Barbed Seam Plates (Carlisle HP Fasteners and Seam Fastening Plates are acceptable alternatives) must be used when the TPO Pressure-Sensitive RUSS is used with White-on-Black membrane. 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 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.

KEEP OUT OF REACH OF CHILDREN.

Form # PDS-TPO-17
Date 01/01/2006

MULE-HIDE PRODUCTS CO., INC.

P.O. Box 1057, Beloit, WI 53512-1057 • 608/365-3111 • Fax: 608/365-7852

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INSTALLATION INSTRUCTIONS

1. For TPO membrane, MH-HD 15 Fasteners and MH-HD Seam Plates (HP-X Fasteners and Piranha Plates are acceptable alternatives) would be utilized for RUSS securement. 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. For White-on-Black EPDM membrane, Mule-Hide HD Fasteners and 2" Barbed Seam Plates may be used.
2. Position Mule-Hide MH-HD 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 Weathered Membrane Cleaner, if necessary.** The entire surface where the tape is to contact the membrane must be clean. The adhesive on the TPO Pressure Sensitive RUSS will not adhere to dusted / dirty surfaces.
5. Roller apply 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 TPO Pressure-Sensitive 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 TPO Pressure-Sensitive RUSS. Apply Bonding Adhesive (TPO Bonding Adhesive or TPO Low VOC Bonding Adhesive for TPO membranes or EPDM Bonding Adhesive for White-on-Black EPDM membranes) to the membrane, exposed TPO Pressure-Sensitive 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 TPO Pressure-Sensitive RUSS seam area with a 2" (50mm) wide roller using positive pressure.
11. To achieve proper adhesion of the TPO Pressure-Sensitive 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.

TECHNICAL SERVICES

Contact Mule-Hide Products Co., Inc. at 608/365-3111 for technical service information.

DISCLAIMER

The statements provided concerning the material shown are intended as a guide for material usage and are believed to be true and accurate. No statement made by anyone may supersede this information, except when done in writing by Mule-Hide Products Co., Inc. Since the manner of use is beyond our control, Mule-Hide does not make nor does it authorize anyone to make any warranty of merchantability or fitness for any particular purpose or any other warranty, guarantee or representation, expressed or implied, concerning this material except that it conforms to Mule-Hide's physical properties. Buyer and user accept the product under these conditions and assume the risk of any failure, any injury of person or property (including that of the user), loss or liability resulting from the handling, storage or use of the product whether or not it is handled, stored or used in accordance with the directions or specifications. Mule-Hide must be notified in writing of any claims and be given the opportunity to inspect the complaint or failure before repairs are made.

RUSS™ is a trademark of Carlisle Corporation.

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