



Product Data Sheet

MULE-HIDE TPO WALKWAY ROLLS

PRODUCT DESCRIPTION

Rev. May 2022

TPO Walkway Rolls incorporate an aggressive, non-slip, diamond plate tread pattern of polyester reinforced TPO material that offers excellent tear and puncture resistance. Walkway Rolls are trimmed in safety yellow along the length of the sheet to better define the walkway area and designed to protect the TPO membrane in those areas exposed to repetitive foot traffic and other hazards. The yellow edges are smooth without safety lugs to allow for easier welding.



Walkways are required at concentration points (i.e., roof hatches, access doors, rooftop ladders, etc.) regardless of traffic frequency. Walkways must also be installed if regular maintenance (once a month or more) is necessary to service rooftop equipment.

PHYSICAL PROPERTIES

Property	Test Method	Typical Properties*
Surface Texture:	N/A	Diamond Plate traction surface
Material:	N/A	Polyester reinforced TPO material
Sizes:	N/A	34" x 50' (76cm X 15.2m)
Weight:	N/A	97 lbs per roll
Density:	ASTM D792	Minimum 80.5 pcf (1.29 gr/cm ³) Maximum 84.3 pcf (1.35 gr/cm ³)
Thickness:	ASTM D412	Minimum 0.160" (4.06mm) Maximum 0.180" (4.50 mm)
General Thickness:		80-mil at bottom of tread, 80-mil at yellow welding edge, 170-mil overall
Tensile Strength:	ASTM D638	600 psi (4.1 MPa)
Tear Strength:	ASTM D624	100 lbf/in (17.5 kN/m)
Colors:	White, Gray and Tan	
Packaging:	9- individually wrapped rolls per skid	
*Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this material		

LEED® AND REFLECTIVITY

LEED Information	
Pre-consumer Recycled Content	10%
Post-consumer Recycled Content	0%
Manufacturing Location	Greenville, IL

RADIATIVE PROPERTIES for CRRS and LEED				
DESCRIPTION	TEST METHOD	WHITE TPO-c	TAN TPO-c	GRAY TPO-c
CRRS initial solar reflectance	ASTM C1549	0.79	0.71	0.46
CRRS solar reflectance after 3 years	ASTM C1549 (un-cleaned)	0.70	0.64	0.43
CRRS initial thermal emittance	ASTM C1371	0.90	0.86	0.89
CRRS thermal emittance after 3 years	ASTM C1371 (un-cleaned)	0.86	0.87	0.88
LEED thermal emittance	ASTM E408	0.90	0.86	0.85
CRRS SRI (Solar Reflectance Index)	ASTM E1980	99	86	53
CRRS SRI (Solar Reflectance Index after 3 yrs)	ASTM E1980	85	77	48

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INSTALLATION INSTRUCTIONS

SURFACE PREPARATION

If membrane or walkway roll has been exposed for over 7 days, use Weathered Membrane Cleaner and a Scotch-Brite Pad to prepare the area to be welded to the walkway material. Allow membrane cleaner to dry completely.

APPLICATION

1. Position the walkway in desired location. Cut walkway rolls into maximum 10 (ten) foot lengths and position with a minimum 1-inch gap between adjacent pieces to allow for water drainage. Cut the walkway roll to allow for a minimum 4-inch gap over any field splice. (Since the attachment of the walkway roll is permanent, this will allow access to the field seams for future repairs).
2. Using an automatic welder, weld all four sides of the walkway material to the membrane. (Welding temperature and speed is typically the same as used for the roofing membrane) A hand welder may be used but productivity will be reduced.

PRECAUTIONS

1. Walkway rolls are a maintenance item and are not covered under the roofing warranty.
2. This product is to be used as a walkway only and is not designed as a perimeter warning line or a substitute for ballast. For safety reasons, walkway rolls should not be installed within 10' (3m) of the roof perimeter.
3. Allowing walkway to relax and warm up in the sun light will facilitate installation.
4. When possible, weld the walkway rolls when the ambient temperature is above 60° F (16° C) to help prevent wrinkles.

PROTECTION & SAFETY

Mule-Hide maintains Safety Data Sheets on all of its non-exempt products. Safety Data Sheets contain health and safety information for your development of appropriate product handling procedures to protect your employees and customers. Mule-Hide's Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Mule-Hide products in your facilities.

ADDITIONAL INFORMATION

The information given on this PDS is subject to change without notice. Always check the Mule-Hide website at www.mulehide.com for the latest information, changes and updates or contact Mule-Hide Products Company at 800-786-1492.

DISCLAIMER

The statements provided concerning the material shown are intended as a guide for material usage and are believed to be true and accurate at the time of printing. 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 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. Buyer and user accept the product under these conditions and assume the risk of any failure, any injury 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 alleged failure before repairs are made.