

10 or 15 Year Warranty Design Summary

"The name trusted in roofing since 1906"



EPDM – Mechanically Attached

Revision Date: May 3, 2019

All products specified for this roofing system must be manufactured or approved by Mule-Hide Products Co. This criteria is limited to buildings of 50' in height or less.

Membrane / Adhesive Type / Other

1. 0.045" or 0.060" thick Mule-Hide EPDM Reinforced Black Membranes.
2. Field seams: In-Seam Tape & Primer (6" or two strips of 3") (10 or 15 year warranty)
3. Field seams: Max 10-Year Warranty - Splice Adhesive with Membrane Cleaner/Tape Primer
4. All 'T' joints overlaid with EPDM uncured flashing tape.

Deck Type / Typical Fastener - Refer to Specifications for minimum pullout criteria.

Standard Roof Deck (3)	Max Sheet Width	Max Fastener Spacing	Fastener (1)	Seam Plate (1)
Steel - Min 22 ga. or Wood Deck - Min 1"	8' 10'	12" OC 6" OC	HDP (#14)	2.4" 2.4"
Plywood - Min 15/32"	8'	6" OC	HDP (#14)	2.4"
Structural Concrete - Min 3,000 psi	10'	6" OC	HDP (#14)(2)	2.4"

Notes:

1. Heavier fasteners and/or plates may be required to meet Factory Mutual or code requirements.
2. Other fasteners may be considered, submit request to Mule-Hide prior to bidding.
3. Contact Mule-Hide Technical Department for non-standard roof decks.

Slope Requirement/Drainage

1. Positive drainage required (no ponding 48 hours after a rain)
2. 1/4" per horizontal foot preferred
3. 1/8" slope with sufficient number of drains and crickets/saddles may be considered

Construction Type

1. New Construction
2. Reroof – Full tear off of existing roofing down to deck
3. Recover – Over existing roofing system or existing insulation (all wet materials removed)

Insulation/Overlayment - Mechanical Attachment into Standard Roof Decks*

Insulation Type or Overlay	Board Size	
	4' x 4'	4' x 8'
Approved Polyisocyanurate - Min 1.0" thick (top layer) - Min 20 psi	4	6
Extruded Polystyrene - Min 1.0" thick - Min 25 psi	4	6
HD Fiberboard - Min 1/2" thick- Installed over Approved Insulation	4	8
Dens Deck Prime - Min 1/4" thick - Installed over Approved Insulation	4	8

*NOTES:

1. Thicknesses stated are for single layer of material.
2. Consult Specification Manual for list of approved insulations for use under overlayment.
3. Contact Mule-Hide Technical Department for Polyisocyanurate less than 1.5" in thickness.
4. Certain codes may require additional fastening requirements.
5. System warranties require the use of Mule-Hide labeled components, products supplied by Mule-Hide or approved in writing by Mule-Hide prior to the start of the project

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EPDM – MECHANICALLY ATTACHED

Insulation/Overlayment - Adhesive Attachment

1. **Mule-Hide Helix® Max Low-Rise Adhesives.** Refer to the appropriate specifications and Helix® Max Product Data Sheet for acceptable insulations, substrates, and bead spacing.

Metal Accessories

1. All Metal copings, gravel stops, fascia, and drip aprons must be installed according to Mule-Hide approved details.
2. Conventional metal edge details that require flanges to be 'stripped in' must use Cured Cover Tape.
3. All Metal Scuppers must have welded (soldered) seams.
4. Metal accessories provided by Mule-Hide will be included in Standard and Premium System warranties.

Other Requirements

1. No 'As-Built' projects. All projects are to be reviewed and approved prior to installation.
2. Shop drawings must include all pertinent details.
3. Contact Mule-Hide Technical Department for specific code requirements such as Factory Mutual (FM) or Underwriters Laboratory (UL).

Perimeter Enhancement Widths - Number Required

Building Height	Perimeter Sheets
0 to 34 feet	Minimum of one (1) perimeter enhancement width
35 to 69 feet	Minimum of two (2) perimeter enhancement widths
Over 70 feet	Contact Mule-Hide Technical Department

Perimeter Half Sheets

Width of Field Sheet	Width of Perimeter Sheets
8'	4'
10'	5'

NOTES:

1. **This is a summary of the Mule-Hide EPDM Mechanically Attached System Specification, as written in the Mule-Hide EPDM Specification Manual. Refer to Mule-Hide EPDM Specification Manual for complete specification and details.**
2. **The information contained in this document is general information. Requirements may be different for each specific job based on the conditions of each building. Always contact Mule-Hide Technical Department to review the specific job conditions prior to bidding the project.**