

# 10 or 15 Year Warranty Design

## Summary

"The name trusted in roofing since 1906"



### PVC – Mechanically Attached

Revision Data: 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 100' in height or less, located in urban or suburban exposure areas. Not applicable for coastal or high wind areas.

#### Membrane

1. 0.050" or 0.060" or 0.080" thick Mule-Hide Reinforced PVC or PVC KEE HP
2. All 'T' joints overlaid with PVC Non-Reinforced Flashing Membrane with heat welded seams. See detail MHP-115B
3. Field/Wall seam transitions must be overlaid with PVC Non-Reinforced Flashing Membrane with heat welded seams. See detail MHP-115C
4. All field seams must be heat welded.

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

Standard Roof Deck (3)	Max Sheet Width	Max Fastener Spacing	Fastener (1)	Seam Plate (1)
Steel - Min 22 ga.	10'	12" OC	HDP(#14)	2.4"
Wood Plank - Min 1" or Plywood - Min 23/32"	10'	12" OC	HDP(#14)	2.4"
Plywood - Min 15/32"	81"	6" OC	HDP(#14)	2.4"
Structural Concrete - Min 3,000 psi	10'	12" OC	HDP(#14) (2)	2.4"

#### Notes:

1. Heavier gauge fasteners 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 other roof decks or 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. Gypsum board or suitable base sheet may be approved as needed to meet required fire code.
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.

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### NOTES: (continued)

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.

### Insulation/Overlayment - Adhesive Attachment

1. **Mule-Hide Helix® Max Low-Rise Adhesives.** Refer to the specifications and appropriate 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 be construction from PVC coated sheet metal and stripped in with PVC membrane. All seams are to be heat-welded.
3. All Metal Scuppers must have welded (soldered) seams.
4. Metal accessories provided by Mule-Hide will be included in 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 Florida NOA, Factory Mutual (FM) or Underwriters Laboratory (UL).

### Perimeter Half Sheets - Number Required

Building Height	Perimeter Sheets
0 to 34 feet	Minimum of two (2) 41" perimeter sheets or 1 (one) 5' perimeter sheets
35 to 70 feet	Minimum of four (4) 41" perimeter sheets or 2 (two) 5' perimeter sheets
Over 70 feet	Contact Mule-Hide Technical Department

### Perimeter Half Sheets - Width

Width of Field Sheet	Width of Perimeter Sheets
81"	40.5"
10'	5'

### NOTES:

1. This is a summary of the Mule-Hide PVC Mechanically Attached System Specification, as written in the Mule-Hide PVC Specification Manual. Refer to Mule-Hide PVC 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.