

# 30 -Year Warranty Design Enhancements

"The name trusted in roofing since 1906"



## EPDM – Fully Adhered

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 and does not include buildings within 20 miles of hurricane coastlines.

### Membrane / Adhesive Type / Other

1. 0.090" thick Mule-Hide EPDM: Non-Reinforced Black or White on Black Membrane
2. Mule-Hide EPDM Bonding Adhesive (solvent based)
3. Field seams: 6" In-Seam Tape & Primer
4. Lap Sealant is to applied along all field seams and flashings
5. RMS and Tape Primer must be used at base of all parapet walls
6. All 'T' joints overlaid with 3" seam tape and 2 layers of Mule-Hide Uncured Flashing Tape and caulked on all sides. 1st patch is 6" x 6" followed by 2nd patch of 12" x 12". Mule-Hide Tape primer must be used.
7. All details (corners, pipe wraps, pourable sealer pockets, etc) must be double wrapped using 2 layers of Mule-Hide Uncured Flashing Tape and Mule-Hide Tape Primer.

**Deck Type / Typical Fastener** - Contact Mule-Hide Technical Department for minimum pullout criteria

Standard Roof Deck (4)	Insulation Fastener (1)	Insulation Plate
Steel (22 gauge or heavier)	Mule-Hide HD #14	Mule-Hide 3" Metal Stress Plates
Structural Concrete (3,000 psi)	Mule-Hide HD-14 (2)	Mule-Hide 3" Metal Stress Plates
Plywood (Min 15/32" thick)	Mule-Hide HD #14	Mule-Hide 3" Metal Stress Plates
Wood Plank (Min 1-1/2" thick)	Mule-Hide HD #14	Mule-Hide 3" Metal Stress Plates
Fibrous Cement & Gypsum (2)(3)	TL Fasteners by Tru-Fast	3" Galvalume Insulation Plate by Tru-Fast

### NOTES:

1. Heavier gauge fasteners may be required for Factory Mutual, code, or wind warranties.
2. Other fasteners may be considered, submit request to Mule-Hide prior to bidding.
3. Pullout testing is required.
4. Contact Mule-Hide Technical Department for non-standard roof decks.

### Slope Requirement/Drainage

1. Minimum 1/4" per foot slope.

### Construction Type

1. New Construction
2. Reroof - with full tear-off
3. Recover – Contact Mule-Hide Technical Department

**Insulation/Overlayment - Insulation Mechanically Attached - See Notes on page 2**

Insulation Type or Overlay	Fasteners per 4' x 8' board		
	Field	Perimeter	Corner
Mule-Hide Polyisocyanurate - Min 2" thick (top layer) - Min 20 psi	8	12	16
Mule-Hide Polyisocyanurate - Min 1.5" up to 2" thick - Min 20 psi	16	24	32
StructoDek HD Fiberboard with Primed Red Coating - Min 1/2" thick- Installed as an overlay or recover board	16	24	32
Dens Deck Prime or Securock - Min 1/4" – Installed as an overlay or recover board	16	24	32
OSB - Min 7/16" thick - Installed over Mule-Hide Polyisocyanurate	17	25	32

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### \*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.
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 Mule-Hide Metal Accessories or pre-manufactured as per approved details.
2. Mule-Hide All Purpose Bar is required when a compression bar termination is specified and must be utilized in conjunction with counterflashing by others.
3. All Metal Scuppers must have welded (soldered) seams.
4. Conventional metal edge details that require flanges to be 'stripped in' must use Cured Cover Tape.
5. Metal accessories provided by Mule-Hide will be included in System warranties.

### Other Requirements

1. No 'As-Built'. 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).

### Warranty Wind Speed (Maximum Peak Gusts)

Wind speed coverage for a specific project will vary depending on the deck type, fastening density, location and height of the roof. Contact Mule-Hide Technical Department for insulation attachment rates and other specific requirements.

**These are some of the enhancements to the Mule-Hide EPDM Fully Adhered System Specification for a 30-Year Warranty. Refer to the Mule-Hide EPDM Specification and EPDM 90-mil details for additional information.**

**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 to review the specific job conditions prior to bidding the project.**