

# 20-Year Warranty Design Enhancements

"The name trusted in roofing since 1906"



## EPDM – Ballasted

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

- 60-mil or 90-mil thick Mule-Hide EPDM: Standard Black Membrane.
- Field seams:
  - 6" In-Seam Tape & Primer
  - 3" Pre-Taped EPDM & Primer
  - 3" In-Seam Tape & Primer with 6" Cured Cover Tape
- RMS and Tape Primer must be used at base of all parapet walls
- All 'T' joints overlaid with EPDM uncured flashing tape.
- Inside and outside corners:
- Mule-Hide Pre-Cut Inside/Outside corners
- Mule-Hide EPDM uncured flashing tape – minimum 9" x 9"
- If 90-mil membrane is used all 90-mil details must be installed regardless of the warranty term.

### Deck Type

- Any roof deck capable of supporting the weight of a Ballasted System may be used.
- The determination that the roof deck can support the required additional loads shall be the responsibility of the building owner/owner's representative.

### Slope Requirement/Drainage

- Positive drainage required (no ponding 48 hours after a rain)
- 1/4" per horizontal foot preferred
- 1/8" slope with sufficient number of drains and crickets/saddles may be considered
- Maximum roof slope of 2:12

### Construction Type

- New Construction
- Reroof – Full tear off of existing roofing down to deck
- Recover – Over existing roofing system or existing insulation (all wet materials removed and verification by a Independent 3rd party moisture scan)

### Insulation/Overlayment\*

Insulation Type or Overlay
Approved Polyisocyanurate - Min 1" thick - Min 20 psi
Approved Extruded Polystyrene - Min 3/4" - Min 15 psi
Approved Expanded Polystyrene - Min 1" - Min 1 lbs density
HD Fiberboard - Min 1/2" thick- Installed over Approved Insulation

### \*NOTES:

- Gypsum board or suitable base sheet may be approved as needed to meet required fire code.
- Consult Specification Manual for list of approved insulations for use under overlayment.
- Contact Mule-Hide Technical Department for Polyisocyanurate less than 1.5" in thickness.
- Certain codes may require additional fastening requirements.
- 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 – BALLASTED

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### Ballast Requirements

Building Height	Ballast Requirements
Up to 25'	#2 Stone @ 13#/SF for 10' wide perimeter #4 Stone @ 10#/SF for field of roof
26' to 50'	#2 Stone @ 13#/SF for 20' corners #2 Stone @ 13#/SF for 10' wide perimeter #4 Stone @ 10#/SF for field of roof
Over 50'	Mule-Hide recommends the use of a interlocking ballast paver system

### Concrete Pavers

1. Minimum Size: 2' x 2' x 2"
2. Minimum Weight: 22 pounds per square foot
3. Membrane Protection: Rubber or plastic pedestals, or 4" x 4" sections of Mule-Hide Walkway Pads.
4. Paver type must be submitted to Mule-Hide for approval prior to bid.

### 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 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).
4. Rubber walkway pads can not be used within 10' of the roof perimeter for buildings exceeding 50' in height.

### Warranty Wind Speed (Maximum Peak Gusts)

Wind speed coverage for a specific project will vary depending on a variety of factors, including the deck type, location, height of the roof, and edge details.

**Contact Mule-Hide Technical Department for specific requirements.**

### NOTES:

1. **These are enhancements to the Mule-Hide EPDM Ballasted 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.**