



**MULE-HIDE PRODUCTS CO., INC**  
**20-Year Premium Warranty Design Enhancements**  
**For Ballasted EPDM**  
**Roofing System Specification**

**EPDM Systems**

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. 0.060" thick Mule-Hide EPDM: Standard Black Membrane.
2. Field seams: 6" In-Seam Tape & Primer or 3" In-Seam Tape & Primer with 6" Cured Cover Tape
3. RMS and Tape Primer must be used at base of all parapet walls
4. All 'T' joints overlaid with EPDM uncured flashing tape.

**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**

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
4. Maximum roof slope of 2:12

**Construction Type**

1. New Construction
2. Reroof - with full tear-off
3. Recover - all wet materials removed and verification by a Independent 3rd party moisture scan

**Insulation/Overlayment\***

Insulation Type or Overlay
Mule-Hide Polyisocyanurate - Min 1" thick - Min 18 psi
HD Fiberboard - Min 1/2" thick- Installed over Mule-Hide Polyisocyanurate

**\*NOTES:**

1. Thicknesses stated are for single layer of material.
2. Premium Warranty requires the use of Mule-Hide Polyisocyanurate insulation.
3. Insulation must be loose-laid over an approved substrate.
4. Mechanical attachment of insulation is not permitted.
5. An approved insulation adhesive may be used.

**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

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**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 pre-manufactured by Metal-Era or constructed according to 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 (see detail MHE-174).
3. Certain Metal accessories by others may be permitted upon Mule-Hide acceptance prior to construction.
4. The Metal-Era Anchor-Tite System must be used when the sheet metal is to be included under the warranty.
5. Conventional metal edge details that require flanges to be 'stripped in' must be overlaid with Cured Cover Tape.
6. All Metal Scuppers must have welded (soldered) seams.

**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).

**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.**

Wind Speed	Ballast Requirements
55-MPH	Use standard ballast requirements as shown above
72-MPH	72 mph warranty wind speed may be available with certain additional enhancements that will be determined by Mule-Hide during the review of the submitted project. Requests for the 72 mph wind speed should be made prior to project bid.

**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.**