



SUMMARY SPECIFICATION

SAMB – FULLY ADHERED ROOFING SYSTEM

Revision Date: May 3, 2019

This Summary Specification is a brief overview of Mule-Hide Product's specification and requirements for a Fully Adhered Mule-Hide SAMB Roofing System and is intended for use as a submittal in a bid package. Specifier's and Mule-Hide Warranty Eligible Applicators must comply with Mule-Hide Product's specifications and requirements prior to design or bid.

Part 1 General

1.01 Description

The Mule-Hide Fully Adhered SAMB Roofing System utilizes a SBS or APP, self-adhering, polyester reinforced, Granulated surfaced Cap Sheet as the top surface. Additional plies of smooth surfaced, self-adhering base sheets may be used within the system. Approved insulation is attached to the substrate with either Mule-Hide Insulation fasteners and plates or Mule-Hide Helix® Max low-rise foam adhesives. SAMB membranes are bonded to the insulation (or approved substrate) with an integral, self-adhesive backing. The adjoining sheets are overlapped with 3" side laps and 6" end laps. Laps are sealed with the integral adhesive or modified bitumen flashing cement.

1.02 Quality Assurance

- A. The roofing system must be installed by a Mule-Hide Warranty Eligible Applicator in accordance with installation guidelines and detail drawings as approved by Mule-Hide. Prior written approval from the Mule-Hide Warranty Department is required for all deviations from Mule-Hide's published specifications and details.
- B. Projects requesting a Labor and Material Warranty will be inspected by a Mule-Hide Representative to verify that Mule-Hide's installation and material requirements have been met.
- C. Mule-Hide roofing systems offer a variety of Underwriters Laboratories (UL), Factory Mutual (FM) and other ratings. Consult the appropriate approval guides and Mule-Hide Products for specific code approvals.

1.03 Submittals

- A. To ensure compliance with Mule-Hide's warranty requirements contact the Mule-Hide Warranty Department if any of the following conditions exist.
 1. Specified wind speed warranty > 55 MPH.
 2. Building height > 100'
 3. Projects in coastal or high wind zones.
 4. Pressurized buildings

- 5. Cold Storage or Freezer Buildings
- 6. Membrane exposed to chemicals

- B. Submit a completed Warranty Application form to Mule-Hide prior to bidding. Also include fastener pullout testing results as required for non-standard substrates.
- C. All projects must have a Mule-Hide warranty application number assigned prior to inspection.

1.04 Product Delivery, Storage, and Handling

- A. Deliver materials to the job site in original, unopened containers, with the manufacturer's name, brand name and installation instructions.
- B. Store all materials in a dry, clean area protected from the elements, as per manufacturer's recommendations.

1.05 Job Conditions

- A. All existing wet or damaged roof materials must be removed and replaced with new materials.
- B. All existing phenolic insulation and sprayed-in-place urethane roofs must be removed.
- C. The specifier must determine the use and placement of vapor retarders. Consult ASHRAE (American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.) and NRCA (National Roofing Contractors Association) publications.
- E. Coordinate work between all trades to avoid traffic over completed sections of roofing.

1.06 Warranty.

Fees are required for all Labor and Material (System) Warranties. System Warranties must be obtained through a Mule-Hide Warranty Eligible Applicator. A Mule-Hide Representative must inspect all projects requesting a System Warranty. Components of the roofing system must be supplied by Mule-Hide. Warranty covers only Mule-Hide supplied materials. Sample warranties are available upon request. Contact Mule-Hide Warranty Department for warranty requirements.

Part 2 Products

2.01 General

- A. The components of this roofing system are to be manufactured, supplied, or approved in writing by Mule-Hide Products.

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2.02 Membrane

Mule-Hide SBS or APP, self-adhering, polyester reinforced, Granulated surfaced Cap Sheet and self-adhering Base Sheets are used for this system. The Cap Sheet roll size is 33'-10" x 3'-3 3/8" (10m by 1 m) and is available in a variety of colors. Base sheets rolls are 65'-8" x 3'-3 3/8" (20m x 1m). Refer to our Product Data Sheets for physical properties and other information.

2.03 Related Materials

Mule-Hide products include: Granulated Cap Sheets, Smooth Surfaced Base Sheets, Nail-Base Sheets, Mod Bit Flashing Cements, Asphalt Primer, Insulation Fasteners and Plates, and other components.

Part 3 Execution

3.01 General

- A. Work should begin at the highest point of the roof level and proceed to the lowest point. Work should be completed on a daily bases including flashings, terminations, and daily seals.
- B. Prepare the existing roof deck or substrate according to Mule-Hide design guides and full-system specifications prior to applying the new roofing system.

3.02 Roof Deck Criteria

- A. A proper substrate shall be provided by the building owner. The structure shall be able to withstand normal construction loads and live loads.
- B. Substrate must allow for drainage so that all water is removed within 48 hours after a rain.

3.03 Substrate Preparation

- A. Re-cover projects - All wet or damaged materials must be removed and replaced with new materials.
- B. Substrate must be clean, level, and smooth so that the insulation lays flat. Fresh applications of bitumen based roof cement must be removed or covered.

3.04 Installation

Refer to the applicable Product Data Sheets and Material Safety Data Sheets for cautions and warnings.

A. Insulation Attachment

Attach roof insulation or Nail Base with Manufacturer supplied roofing fasteners and plates, or low-rise foam adhesive. Attachment rates and insulation requirements will vary depending upon substrate and desired wind uplift. (Membrane may also be adhered directly to a compatible substrate). Consult Mule-Hide Warranty Department for substrate and attachment requirements.

B. Membrane Installation and Seaming

Place membrane over substrate with minimum 3" side laps and 6" end laps and positioned so that laps will shed water. Fold the top half of the sheet back and remove the release liner. Roll membrane back into place. Repeat procedure for remaining half of sheet. Once sheet is adhered, make 45° cut in bottom layer and apply sealant. Remove release liner from end-lap and side-laps and mate surfaces together to form seam. Roll each layer with a 75 lb. roller. Entire sheet must be rolled. Repeat for remaining plies.

C. Membrane Flashing

All existing base flashings are to be removed. Install new membrane flashings as per manufactures details and guidelines. Flashings must be terminated along top edge as per appropriate Mule-Hide detail.

D. Other Related Work

1. Walkways should be provided in areas where regular rooftop traffic is expected. Walkways are considered a maintenance item and are excluded from the Mule-Hide warranty.
2. Walkways may be constructed from an additional layer of Cap Sheet adhered to roof surface with modified bitumen adhesive. Contact Mule-Hide Warranty Department for other options.
3. Copings, counter flashing and other metal work shall be fastened to resist wind uplift and prevent buckling. Metal should be sealed to prevent moisture infiltration.

This summary specification represents the applicable information available at time of publication. Mule-Hide reserves the right to change this information at any time. Contact Mule-Hide Products or visit our website at www.mulehide.com for the latest updates, changes, or modifications to this summary specification.