



SPECIFICATION SUPPLEMENT

AeroWeb Adhesive

Revision Date: September 2022

This Specification Supplement is to be used as an additional adhesive option for Mule-Hide's TPO, Fleece Back TPO, EPDM and Fleece Back PVC specifications.

Part 1 General

1.01 Description

Mule-Hide's AeroWeb can be used to install standard TPO, standard EPDM, and White-on-Black EPDM to horizontal surfaces. AeroWeb can also be used to adhere Fleece Back TPO and PVC, standard TPO, and standard or White-on-Black EPDM membrane to vertical substrates. AeroWeb is not approved to adhere Fleece Back TPO FR membrane. Additionally AeroWeb can be used as a primer to enhance the bond between Mule-Hide's F5 and various substrates, and priming unexposed asphalt prior to applying Helix® Max Low-Rise Adhesives for insulation attachment.

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.
- C. Store cylinders in protected, conditioned space with temperature maintained above 70°F. Do not store cylinders in areas where temperatures reach 110°F or higher. Contents are flammable.
- D. Store in accordance with local, state, and federal regulations.
- E. Keep cylinder valve open to maintain pressure in the hose and spray gun. Periodically spray in a safe manner to help prevent possible clogging. Keep spray gun trigger locked when not in use. Flush gun and hose with UN-TACK for long-term storage beyond 30 days.

Part 3 Execution

3.03 Substrate Preparation

- A. Acceptable vertical substrates include: Mule-Hide Poly ISO roof insulation, Poly ISO 1-HD, DensDeck® Prime, SECUROCK®, OSB, plywood, metal, residual asphalt, and clean concrete block. To improve adhesion and reduce the potential for asphalt bleed-through on vertical surfaces with residual asphalt, apply an initial "sealing" base coat of AeroWeb and allow to flash off properly; then, apply a secondary coating of AeroWeb to the vertical surface.
- B. Acceptable horizontal substrates include Mule-Hide Poly ISO roof insulation, Poly ISO 1-HD, DensDeck Prime, SECUROCK, OSB, and plywood. High Density Wood Fiberboard is **not** an acceptable substrate.
- C. The surface, on or against which AeroWeb is to be applied, shall be clean, smooth, dry, free of films, sharp edges, loose and foreign materials, oil and grease. Depressions greater than ¼" (6 mm) should be feathered, using epoxy, mortar or other approved patching material. All sharp projections shall be removed by sweeping, blowing or vacuum cleaning.
- D. All air intake ventilation equipment must be shut off and all ductwork openings and gaps in the deck/ substrate should be temporarily sealed during product application.

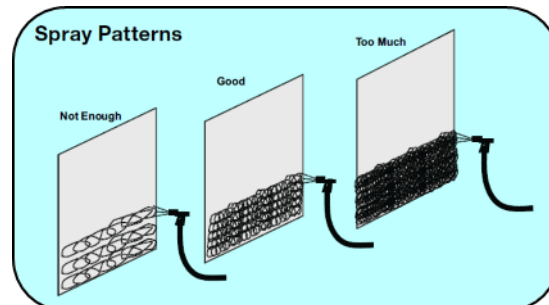
3.04 Installation

- A. General use instructions
 1. Refer to the applicable Product Data Sheets and Safety Data Sheets for cautions and warnings.
 2. Connect spray gun to hose and connect hose to cylinder. Use lithium grease or petroleum jelly on all fittings and be careful to avoid cross-threading. Open valve on cylinder to check fittings for leaks. Keep cylinder valve open to maintain pressure in the hose/spray gun when not in use.
 3. AeroWeb can be applied at ambient temperature of 25°F and above. Propellant in cylinders must be kept above 70°F for the product to spray properly. Utilize heated drum bands, power-heated blanket, and hot boxes when necessary. Substrate shall be clean, dry, and free of debris and contaminants.
 4. For applications taking place in ambient temperature below 70°F, store cylinders in heated space and move to project area during application. Cylinders must be kept warm on the jobsite. Dispense product from cylinder while it is still warm. When product in cylinder becomes too cold, it will begin to spit rather than spray. If this occurs, swap cold cylinder for warmer one and return cold cylinder to heated area. When changing cylinder, close the valve on the cylinder and depressurize the hose. Remove the hose and attach to the new cylinder. Open valve and do a test spray.
 5. Apply AeroWeb in an even coat to substrate (refer to the drawing on the next page), keeping the spray tip approximately 12" (30.5 cm) away and perpendicular to the surface during spray. Avoid high thickness buildup.
- B. AeroWeb Application rates (*approximate coverages):

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1. 1-Sided Primer – 2,000-2,500 ft²* when used with Mule-Hide F5 Air and Vapor Barrier or as a primer for Helix®
 2. 2-Sided Adhesive - Walls – 1,000 ft²*
 3. 2-Sided Adhesive - Field – 1,000 ft²*
- C. Vertical application using AeroWeb
- Approved membranes are Fleece Back TPO and PVC, standard TPO, and standard or White-on-Black EPDM (There are no height restrictions when using AeroWeb for vertical applications if the appropriate membrane terminations are utilized.)
1. Spray wall and back of the membrane, utilizing a 50% overlapping spray pattern.
 2. Do not apply adhesive to splice areas.
 3. Allow adhesive to become tacky but not overly dry; it should not transfer to fingers when touched.
 4. Mate membrane with the wall from the center of the sheet towards the edges, smoothing by hand.
 5. Broom the membrane with a soft-bristle broom.
 6. Roll in with a hand roller.
- D. Horizontal application using AeroWeb
- Approved membranes are standard TPO, standard EPDM, and White-on-Black EPDM
1. Application shall be continuous and uniform, avoiding globs or puddles.
 2. Spray substrate and back of the membrane with enough overlap to ensure 100% coverage (2"-3" of overlap).
 3. Do not apply adhesive to splice areas.
 4. Allow adhesive to become tacky but not overly dry; it should not transfer to fingers when touched.
 5. Roll the membrane onto the adhesive-coated substrate while avoiding wrinkles. Immediately brush down the bonded portion of the sheet with a soft-bristle push broom, and then roll the membrane with a clean, dry roller to achieve maximum contact.



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