



# A-125 METAL ROOF PRIMER

## DESCRIPTION

Revision Date: Apr 2021

A-125 Metal Roof Primer ("A-125") is a water-based, 100% acrylic polymer, zinc-rich, corrosion inhibiting primer which encapsulates existing rust and inhibits the development of new rust. A-125 provides excellent adhesion for base and top coats on rusted metal surfaces.



## TYPICAL PHYSICAL PROPERTIES

Property*	Method	Value
Viscosity	ASTM D2196	10,000 cps
Solids by Weight	ASTM D1644	50%
Solids by Volume	ASTM D2697	38%
Weight per Gallon	ASTM D1475	10.4 lbs.
VOC	EPA 24	<25 g/l

\*Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.

## USES

A-125 Metal Roof Primer is intended for the preparation of rusty metal surfaces prior to the application of acrylic and silicone roof coatings. Its light yellow color changes to a darker amber color as the primer dries. This allows for visual confirmation of the primer's level of cure and readiness for application of the top coatings. It is formulated to a relatively thin viscosity allowing for complete penetration and encapsulation of surface rust. Not to be used on surfaces that pond water.

## COLORS

The standard color is dark yellow (when dry).

## PACKAGING

Packaging is standard in 5 gallon pails and 55 gallon drums.

## STORAGE & HANDLING

All materials shall have proper identification & labels. All containers must have airtight unbroken seals or unopened containers. All materials must be stored in a secure area to prevent theft, damage, or vandalism. Any containers without proper manufacturer's identification will not be acceptable. All materials at jobsite must have proper SDS Sheets available at the project site. All materials are to be stored at not less than 45°F. Shelf life is 12 months from date of manufacture with proper storage and handling. Do not store in temperatures above 90°F.

***ALL ACRYLIC COATINGS MUST BE PROTECTED FROM FREEZING AT ALL TIMES.***

## APPLICATION EQUIPMENT

Application may be by brush, roller, or airless spray.

1. Brush: Suitable for small areas and flashings. Use a synthetic bristle paint brush.
2. Roller: Recommended when coating small areas. Use a long (1.25") napped roller.
3. Airless Spray Equipment: The following spray equipment is recommended by Mule-Hide:

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- a. Pump: The pump should be capable of producing a minimum material output of 0.75 gallons per minute at 3,000 p.s.i.
  - b. Hoses: Maximum of 300' of high-pressure material hose. Hose ID are available from 1/2" to 1/4" Whip hose length should be one (1) ID size smaller than rest of hose length.
  - c. Gun: The airless spray gun should be equipped with a ball bearing swivel for ease of handling. Recommended orifice size is .015 to .027 inch diameter with a wide-angle fan pattern. A Reverse-A-Clean nozzle is recommended. Exact orifice size will vary with temperature of the material and weather conditions.
4. Application rate is 0.5 to 0.75 gallons per 100 square feet (8 – 12 wet mils) maximum.

## PRE-APPLICATION

**ALWAYS TEST FOR PROPER ADHESION.** Mule-Hide recommends jobsite adhesion tests be performed when the substrate is a factory painted or previously field coated metal panel). Acrylic and Silicone systems cannot be installed over Kynar painted panels or metal roof panels that have been coated with aluminum coatings. Aluminum roof coatings must be removed prior to application of acrylic or silicone products. A-125 will not adhere well to a Kynar finished metal surface. If in doubt as to the compatibility of the coating or painted metal surface, Mule-Hide recommends adhesion tests allowing a minimum six day cure from preparing to performing adhesion tests. All surfaces to be tested must be clean, dry, and free of oil, grease, dirt or loose rust. Various sound and tightly adhered existing coatings require adhesion tests with the coating intended for application to the roof surface. If the new coating fails the adhesion tests, contact Mule-Hide Technical Department for alternative products. Follow the Mule-Hide Technical Bulletin 1803 (Roof Coating Adhesion Test) for performing adhesion tests.

Before application of the A-125, any loosely adhered materials must be removed and surfaces must be power washed clean with Mule-Hide 115 Cleaner. The surface may be damp but must be free of standing water. Mechanically mix before using. Do not store above 90°F. Apply only at temperatures above 40°F and rising with less than 90% humidity and no threat of rain for 48 hours.

## APPLICATION

A-125 should be applied at a maximum rate of 0.5 to 0.75 gallons per 100 square feet (approximately 8 -12 wet mils or 2.8 – 4.2 dry mils thick). Applying the A-125 at coverage rates higher than 0.75 gallons per 100 square feet can result in surface splitting and blistering (due to trapped moisture) and loss of adhesion.

Mule-Hide recommends a minimum of 12 hours cure time of the A-125 prior to application of Acrylic or Silicone coatings. The product should be sufficiently dry that foot traffic will not damage the coating. A-125 should be coated within 72 hours to minimize or prevent contamination that would require additional cleaning.

Cool temperatures and high humidity are factors that may retard curing, which can result in longer cure times between coats.

Applying the product too thick or at high surface temperatures (over 100°F) may also result in splitting, blistering and loss of adhesion.

Commencement of work by the contractor implies his approval of the deck surface.

## CURED FILM PROPERTIES

Property*	Test Method / Condition	Result
Approximate Drying Time to Recoat	75° F @ 50% RH	12 hours
Hardness, Shore A	ASTM D2240	70 +/- 5
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## **CLEAN UP**

For clean-up, use 115 Cleaner (or soap) and water while the product is still wet. Thoroughly rinse all hoses and spray equipment at the end of each day and make sure all materials, debris, and containers are removed from the job site and properly store or discard.

## **PRECAUTIONS**

- When applied to areas that retain water more than 48 hours service life will be severely diminished and adhesion failure can be expected.
- Avoid prolonged contact with or inhalation of fumes.
- Do not take internally. If swallowed, do not induce vomiting. Contact medical personnel immediately.
- Read SDS prior to use.
- For professional use only.
- Do not apply at application rates thicker than recommended.

## **PROTECTION & SAFETY**

Mule-Hide maintains Safety Data Sheets on all of its non-exempt products. Safety Data Sheets contain health and safety information for your development of appropriate product handling procedures to protect your employees and customers. Mule-Hide's Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Mule-Hide products in your facilities.

## **ADDITIONAL INFORMATION**

The information given on this PDS is subject to change without notice. Always check the Mule-Hide website at [www.mulehide.com](http://www.mulehide.com) for the latest information, changes and updates or contact Mule-Hide Products Company at 800-786-1492.

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