

# A-300 FINISH

## DESCRIPTION

Mule-Hide A-300 FINISH ("A-300") is an acrylic based elastomeric coating. It exhibits exceptional exterior durability and UV stability, superior flexibility in low temperature environments and high reflectivity. The primary use of this product is for waterproofing and finish coating of metal roofs. This product may also be used as a maintenance coating to coat other surfaces, such as, aged (over 5 years) smooth BUR, aged Hypalon and EPDM. Contact Mule-Hide's Customer Service Department for details.

## TYPICAL PHYSICAL PROPERTIES (Meets ASTM D-6083) (Florida Product Approval FL8262)

Weight / Gallon	11.9 +/- 0.2 lbs.
Solids	
(% by weight)	71.0 +/- 3
(% by volume)	54.3 +/- 3
Viscosity - cps	16000 +/- 1500
- KU	125 +/- 6
pH	>9.0
Service Temperature Range	-45° F to 200° F
Application Temperature Range	40° F to 100° F
V.O.C. Content: 37.6 grams/liter	

## USES

Mule-Hide A-300 may be easily applied to various substrates including metal roofs. In combination with the appropriate Mule-Hide primer (if required) and flashing grade sealant, A-300 economically provides a quality watertight roof system when installed over properly prepared metal roof panels.

## COLORS

The standard color is white.

## PACKAGING

Packaging is standard in 5-gallon pails, 55-gallon drums or 275 gallon totes.

## 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 MSDS Sheets available at the project site. All materials are to be stored at not less than 45°F.

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

## PROTECTION & SAFETY

Protection of areas not intended to be coated, or items such as, skylights, HVAC units, etc., must be protected by masking or covering to prevent over spray or accidental coating. The applicator will be responsible for any material spills, spray drift, or over spray. Mule-Hide recommends that applicators wear sun glasses when applying the finish coating in bright sun shine.

***CAUTION!! COATED AREAS BECOME EXTREMELY SLIPPERY WHEN WET.  
ALWAYS MAKE SURE ALL WORK ENVIRONMENTS COMPLY WITH OSHA STANDARDS.***

## A-300 FINISH - Continued

### 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 medium (1/2") or a long (1.0") napped roller.
3. Airless Spray Equipment: The following spray equipment is recommended by Mule-Hide.

### **PUMP**

The pump should be capable of producing a minimum material output of 2 gallons per minute at 3,000 p.s.i.

### **GUN**

The airless spray gun should be equipped with a ball bearing swivel for ease of handling. Recommended orifice size is .025 to .035 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.

### **HOSES**

Minimum recommended amount is three 50-foot lengths of high-pressure material hose with a 1/2" ID and one length of high-pressure whip-hose with a 3/8" ID.

### APPLICATION - Metal Roofs

Prior to the application of any Mule-Hide Metal Roof Coatings System, always read all pertinent use, storage, application and safety data.

### **ALWAYS TEST FOR PROPER ADHESION**

Mule-Hide recommends a jobsite adhesion test be performed. If in doubt as to the compatibility of the coating and substrate, allow a minimum six-day cure.

Check weather conditions prior to start of work. Mule-Hide Acrylic Coatings require complete evaporation of water to cure. Cool temperatures and high humidity retard cure. Do not apply if weather conditions will not permit complete cure before rain, dew or freezing temperatures.

For proper spray equipment, always refer to the Mule-Hide Airless Spray Equipment Requirement Chart.

The metal roof surface shall be clean and dry with all rusted areas primed with A-125. Mule-Hide recommends a minimum finished application rate of 2 gals per 100 square feet. For extended performance Mule-Hide A-300 may be applied in two coats at a rate of 1.5 gal per 100 square feet, per coat for a final coverage rate of 3 gals per 100 square feet. Do not apply the A-300 at a coverage rate higher than 2 gal per 100 square feet per coat. Applying the A-300 at coverage rates higher than 2 gal per 100 square feet can result in surface splitting or blistering due to trapped moisture. When applying multiple coats, A-300 should always be applied at a rate of 1.5 gals per 100 square feet or less.

Mule-Hide recommends approximately 12 hours cure time between coats or the product should be sufficiently dry that foot traffic will not damage the coating. Multiple coats should always be applied within 72 hours of each coat to minimize or prevent contamination that would require additional cleaning.

For applications in higher temperatures (above 90° F) Mule-Hide recommends application in multiple thin coats to prevent trapped moisture problems.

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

## A-300 FINISH - Continued

### APPLICATION OVER OTHER SUBSTRATES

For information pertaining to the application of A-300 over other substrates such as the following listed below, please refer to the Mule-Hide Elastomeric Acrylic Coatings Application Handbook.

1. Smooth built-up asphalt roofing (new, less than 5 years old)
2. Smooth built-up asphalt roofing (old, greater than 5 years)
3. Modified Bitumen roofs (smooth or granulated)
4. Hypalon
5. EPDM
6. SPF
7. Masonry
8. Skylights

Contact Mule-Hide for substrates not listed above. Certain substrates may require the use of a primer or a base coat prior to the application of the A-300. Please note: Do not use this product on coal-tar-pitch roofs.

### CURED FILM PROPERTIES (Meets ASTM D-6083) (Florida Product Approval FL8262)

<u>Property</u>	<u>Test Method/Condition</u>	<u>Result</u>
Approximate Drying Time to Recoat	75° F @ 50% rel.hum	12 hours
Tensile Strength	ASTM D412	270 +/- 25 psi
Elongation	ASTM D412	325% +/- 50%
Hardness, Shore A	ASTM D2240	60 +/- 5
Low Temp. Flexibility	ASTM D412 - 0.5" mandrel	PASS
Weathering Resistance	5000 hrs. Atlas Weatherometer	No effect
Water Permeability	ASTM E96-80	0.003 +/- 0.00

### RADIATIVE PROPERTIES

For Energy Star, Cool Roof Rating Council (CRRC), and LEED.

	<b>TEST METHOD</b>	<b>A-300 Finish</b>
<b>ENERGY STAR</b> initial solar reflectance	Solar Spectrum Reflectometer	0.86
<b>ENERGY STAR</b> solar reflectance after 3 years	Solar Spectrum Reflectometer	0.75
<b>CRRC</b> initial solar reflectance	ASTM C1549	0.86
<b>CRRC</b> solar reflectance after 3 years	ASTM C1549	0.75
<b>CRRC</b> initial thermal emittance	ASTM C1371	0.91
<b>CRRC</b> thermal emittance after 3 years	ASTM C1371	0.91

An ENERGY STAR qualified low slope roof product must have an initial solar reflectance of at least 0.65 and a 3-year aged solar reflectance of at least 0.50.

The Cool Roof Rating Council (CRRC) does not specify minimums for reflectance or emittance but they do require specific protocols for testing and reporting. Cleaning of the aged roof surface is **not** permitted for determination of radiative properties after 3 years.

## A-300 FINISH - Continued

### CLEAN UP

Equipment clean up is simple using Mule-Hide 115 CLEANER 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.

### WARRANTY

A watertight warranty may be available, when installed in compliance with Mule-Hide's published specification for application over an existing positive sloped metal roofing system by a Mule-Hide Eligible Contractor. Substrate preparation and material application must be in accordance with Mule-Hide application recommendations and procedures. Consult Mule-Hide for full information on warranted systems. Substrates other than metal may receive a material warranty.

### TECHNICAL SERVICE

Contact Mule-Hide Products Company at 800/786-1492 for additional information.

***PRIOR TO USE OF THIS MATERIAL, READ ALL APPROPRIATE MATERIAL SAFETY DATA SHEETS AND WARNINGS AND THE APPLICATION HANDBOOK.***

### DISCLAIMER

The statements provided concerning the material shown are intended as a guide for material usage and are believed to be true and accurate. No statement made by anyone may supersede this information, except when done in writing by Mule-Hide Products Co., Inc. Since the manner of use is beyond our control, Mule-Hide does not make nor does it authorize anyone to make any warranty of merchantability or fitness for any purpose or any other warranty, guarantee or representation, expressed or implied, concerning this material except that it conforms to Mule-Hide's physical properties. Buyer and user accept the product under these conditions and assume the risk of any failure, any injury of person or property (including that of the user), loss or liability resulting from the handling, storage or use of the product whether or not it is handled, stored or used in accordance with the directions or specifications. Mule-Hide must be notified in writing of any claims and be given the opportunity to inspect the complaint or failure before repairs are made.