



Product Data Sheet

A-300 FINISH

DESCRIPTION

Revised Feb 2020

Mule-Hide A-300 FINISH ("A-300") is an acrylic based elastomeric coating. It exhibits exceptional exterior durability, UV stability, superior flexibility in low temperature environments and high reflectivity. A-300 is the top coat applied when installing an acrylic roof coating system.



BASIC USES

In combination with the appropriate Mule-Hide primer (if required), base coat and flashing grade sealant, A-300 provides an economical, quality acrylic roof coating system that may be applied over various approved substrates such as metal, single-ply, modified bitumen and smooth BUR. Contact Mule-Hide Technical Department for specific approved substrates and application information.

TYPICAL PHYSICAL PROPERTIES

Property	Method	Value
Viscosity	ASTM D2196	60,000 cps
Solids by Weight	ASTM D1644	64%
Solids by Volume	ASTM D2697	52%
Weight per Gallon	ASTM D1475	11.7 lbs.
Flash Point	ASTM D56	NA
VOC	EPA 24	18 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.

COLORS

The standard colors are white, beige, tan, Arizona tan, light grey and dark grey. A custom color program is also available upon request.

PACKAGING

Packaging is standard in 1 gallon cans, 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 SDS Sheets available at the project site. All materials are to be stored at not less than 45°F. Shelf life is 12 months with proper storage and handling.

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.



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

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 psi.

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 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.

Application Temperatures

Temperature of surfaces to be coated should be above 45°F and below 110°F. Do not apply material if there is a chance that ambient temperatures may drop below 45°F within 48 hours after application.

APPLICATION

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

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.

All roof surfaces shall be clean and dry with all rusted areas to be coated primed with A-125. For application rates refer to the published acrylic specifications that are specific to each approved substrate/surface. Do not apply the A-300 at a coverage rate higher than 1.5 gal per 100 square feet per coat. Applying the A-300 at coverage rates higher than 1.5 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.



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APPLICATION OVER OTHER SUBSTRATES

For information pertaining to the application of A-300 over other substrates please refer to the Mule-Hide Acrylic Specifications published on the Mule-Hide Website.

Not for use on coal-tar-pitch roofs.

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

Property	Test Method / Condition	Result
Approximate Drying Time to Recoat	75° F @ 50% rel.hum	12 hours
Tensile Strength	ASTM D2370	275 +/- 25 psi
Elongation	ASTM D2370	240% +/- 50%
Hardness, Shore A	ASTM D2240	60 +/- 5
Low Temp. Flexibility	ASTM D522 - 0.5" mandrel	PASS
Weathering Resistance	1000 hrs. Atlas Weatherometer	No effect
Water Permeability	ASTM D1653	< 50 perms

RADIATIVE PROPERTIES

DESCRIPTION	TEST METHOD	VALUE
ENERGY STAR® initial solar reflectance	ASTM C1549	0.85
ENERGY STAR® solar reflectance after 3 years	ASTM C1549	0.76
ENERGY STAR® initial emissivity	ASTM C1371	0.89
CRRC initial solar reflectance	ASTM C1549	0.85
CRRC solar reflectance after 3 years	ASTM C1549 (uncleaned)	0.76
CRRC initial thermal emittance	ASTM C1371	0.89
CRRC thermal emittance after 3 years	ASTM C1371 (uncleaned)	0.91
CRRC SRI (Solar Reflectance Index)	ASTM E1980	107
CRRC SRI (Solar Reflectance Index after 3 yrs)	ASTM E1980	95
CRRC Product ID	N/A	0670-0001

A-300 by Mule-Hide is LEED compliant and ENERGY STAR® and California Title 24 rated roof products.

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. Cleaning the aged roof surface is not permitted by the ENERGY STAR test protocol. Energy Star is only valid in the United States for Roofing Products.

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 LEED "point" may be earned for low-sloped roofs (with a slope less than or equal to 2:12) by using a roofing material that has a Solar Reflectance Index (SRI) equal to or greater than 78

Solar Reflectance Index (SRI) is calculated per ASTM E 1980. The SRI is a measure of the roof's ability to reject solar heat, as shown by a small temperature rise. It is defined so that a standard black (reflectance 0.05, emittance 0.90) is 0 and a standard white (reflectance 0.80, emittance 0.90) is 100. Materials with the highest SRI values are the coolest choices for roofing. Due to the way SRI is defined, particularly hot materials can even take slightly negative values, and particularly cool materials can even exceed 100.



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California Title 24 requires an initial minimum reflectance of 0.70 and emittance of 0.75 as determined by CRRC.

CLEAN UP

Equipment clean-up is simple using 115 CLEANER by Mule-Hide 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 approved substrates by a Mule-Hide Warranty 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.

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 for the latest information, changes and updates or contact Mule-Hide Products Company at 800-786-1492.

DISCLAIMER

The statements provided concerning the material shown are intended as a guide for material usage and are believed to be true and accurate at the time of printing. 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 authorize anyone to make any warranty of merchantability or fitness for any particular purpose or any other warranty, guarantee or representation, expressed or implied, concerning this material. This product may be eligible for a Mule-Hide warranty, please check the Mule-Hide website at www.mulehide.com or contact Mule-Hide directly at 800-786-1492 for details. Buyer and user accept the product under these conditions and assume the risk of any failure, any injury 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 alleged failure before repairs are made.