



## Product Data Sheet

# A-300 FINISH

### DESCRIPTION

Revision Date: Mar 2023

Mule-Hide A-300 FINISH ("A-300") is a high-quality water-based elastomeric coating available in white or as tinted, which cures to form a seamless membrane when applied over the entire roof area. In addition to keeping the surface cool, A-300 Finish extends the life cycle of new and existing roof systems, providing protection from ultraviolet sun and other weather exposures.



### BASIC USES

- Suitable for use on various conventional smooth and granulated BUR and polymer modified roof membranes with smooth mineral surfacing, most metal roof systems, single-ply membranes (primers or special precautions may be required), and SPF. A substrate adhesion test is recommended prior to product application.

### FEATURES AND BENEFITS

- Extends the useful life of the roof.
- UV resistant.
- Decreases roof surface temperature which can reduce energy costs.
- Offers high tensile strength and elongation.
- Resistant to dirt pick up and is fungal and algal resistant.
- Low VOC and non-flammable.

### TYPICAL PHYSICAL PROPERTIES

Property	Method	Value
Viscosity (cP)	Brookfield <sup>®</sup> 4d/5 RPM/77°F	28,000 – 58,000
Solids Volume (%)	ASTM D2697	53 ± 2
Solids Weight (%)	ASTM D1644	68 ± 2
Elongation (%)	ASTM D2370	250 ± 25
Tensile Strength (psi)	ASTM D2370	275 ± 50
Permeance (perms)	ASTM D1653	14 ± 3
Water Swell (%)	ASTM D471	12 ± 1
Accelerated Weathering @ 1000 hr (pass/fail)	ASTM D4798	pass
Adhesion (pli)	ASTM C794/ASTM D903	pass
Fungi Resistance (pass/fail)	ASTM G21	pass
Tear Resistance (lbf/in)	ASTM D624	70 ± 5
Low Temp Flexibility (1/2" mandrel @ -26°C) (pass/fail)	ASTM D522	pass
VOC (gm/L)	Calculated	< 50
Weight/gal (lb)	ASTM D1475	12 ± 0.5

\*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 gray, and dark gray. A custom color program is also available upon request.

### PACKAGING

Packaging is standard in .9-gallon cans, 4.75-gallon pails, 50-gallon drums or 275-gallon totes.

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### APPLICATION

#### **Surface Preparation:**

- All surfaces to receive coating must be clean, dry and free from any foreign matter such as dirt, oils, grease or other debris that could inhibit the adhesion capabilities of the newly installed products. Metal surfaces that display rusting or other oxidation, to be prepared with a grinder or wire brush as needed to remove surface contaminants.
- Visually inspect existing roof systems for conditions that may adversely affect adhesion of performance of newly installed products. Repair any visible deficiencies such as splitting, blistering, and buckling with A-200 Flashing Grade and Polyester Reinforced Fabric.
- Repair metal and non-metal flashings, edges, drains, valleys, and through-roof penetrations.
- Do not apply to wet or visibly damp surfaces, or surfaces previously covered with coal tar-based products or Kynar® finishes.
- Any substrate where there is a question related to the ability of a Mule-Hide coating to properly adhere should have an adhesion test performed following the procedures in Mule-Hide Technical Bulletin 07-1803.

#### **Application:**

- Stir well prior to application.
- Apply with high pressure sprayer for best appearance and coverage, however the product may be applied by roller or brush applications.
- Apply at a maximum of 24 wet mils (1.5 gallon per 100 square feet) per coat.
- Typical application conditions require two coats at 24 wet mils per coat. To minimize potential voids or pinholes in coating application, apply second coat perpendicular to the first.
- Allow coating to dry overnight prior to applying second coat.
- Apply only when ambient temperatures are 50°F and rising. Cold weather could result in uneven application and improper curing of product. Do not apply if there is a threat of inclement weather within 24 hours of application.
- Do not thin product. Do not heat outside of container. Do not apply at temperatures greater than 120°F.
- Prior to using this product on new cap sheets (smooth or granulated), it is recommended to wait 30 days for weathering.
- Check weather conditions prior to start of work. Acrylic Coatings require the 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.
- Cool temperatures and high humidity are factors that may delay curing, which can result in longer cure times between coats. For applications in higher temperatures (above 90° F) Mule-Hide recommends application in multiple thin coats to prevent trapped moisture problems.

#### **Storage and Cleaning:**

- Shelf life is 18 months if stored in original unopened containers.
- All containers should be sealed when not in use.
- **Keep from freezing.**
- Store between 40°F and 100°F.
- Observe normal safeguards for storing and handling of this product prior to and during application.
- Clean hands with waterless hand cleaner.
- Application tools and equipment can be cleaned with lukewarm water and soap, followed by a rinse of isopropanol, acetone, or Simple Green® or 115 cleaner and thoroughly rinsed. Recirculate through lines and gun until residual coating is removed.
- DO NOT USE MINERAL SPIRITS, XYLENE, TOLUENE, OR VMP & NAPHTHA SOLVENTS.

**For Professional Use Only** - Keep out of the reach of children.

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### MANUFACTURING FACILITIES

- Fernley, NV
- Hazleton, PA
- Phoenix, AZ
- Waco, TX
- Winter Haven, FL

### RADIATIVE PROPERTIES

DESCRIPTION	INITIAL VALUE	AGED VALUE
CRRC Rated Product ID#: 0670-0001		
CRRC solar reflectance (smooth)	0.87	0.75
CRRC initial thermal emittance (smooth)	0.90	0.90
CRRC solar reflectance (rough)	Not Rated	Not Rated
CRRC initial thermal emittance (rough)	Not Rated	Not Rated
Solar Reflectance Index (SRI)	110	93
*The ratings above are subject to CRRC rating program conditions, requirements, and limitations. Visit <a href="http://Coolroofs.org">Coolroofs.org</a> for important information and disclaimers about CRRC rating requirements and limitations. For purposes of CRRC rating, a rough surface is a surface that is equally coarse to coarser than a new (i.e. unweathered) #11 granulated modified bitumen sheet. 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 <b>not</b> permitted for determination of radiative properties after 3 years.		

### 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](http://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](http://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.