



Product Data Sheet

A-300 BASE

DESCRIPTION

Revision Date: Mar 2023

A-300 Base is an acrylic based elastomeric coating. It exhibits exceptional exterior durability and UV stability, superior flexibility in low temperature environments. The A-300 Base is formulated from 100% acrylic polymers and supplied only in the color gray. This is a water-based material and must be kept from freezing. A-300 Base must be top coated with A-300 Finish.



BASIC USES

The product is intended for application as a base coat when coating various acceptable roof surfaces and substrates, such as uncorroded metal, smooth and granulated asphalt BUR and Mod Bit, aged PVC, Hypalon, EPDM and polyurethane foam. In combination with the appropriate Mule-Hide accessories and top coated with the A-300 Finish, A-300 Base economically provides the base coat for a quality acrylic roof system. Contact the Mule-Hide Technical Department for additional information.

TYPICAL PHYSICAL PROPERTIES

Property	Method	Value
Viscosity (cP)	Brookfield@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 color is gray.

PACKAGING

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

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

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Flashing 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.

MANUFACTURING FACILITIES

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

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.

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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.