



## Product Data Sheet

# A-300 BASE TPO

### DESCRIPTION

Revision Date: May 2018

Mule-Hide A-300 Base TPO is an acrylic based elastomeric coating. It exhibits exceptional exterior durability and UV stability, superior flexibility in low temperature environments. The A-300 Base TPO is formulated from 100% acrylic polymers and supplied only in a light blue color. This allows the applicator to visually differentiate between the base and top coated areas. This is a water-based material and must be kept from freezing. A-300 Base TPO must be top coated with A-300 Finish.

### BASIC USES

The product is intended for application as a base coat when coating existing TPO membrane roof systems. In combination with the appropriate Mule-Hide accessories and when top coated with A-300 Finish, the A-300 Base TPO economically provides the base coat for a quality acrylic roof system. Contact Mule-Hide's Technical Department for details.

### TYPICAL PHYSICAL PROPERTIES

Property	Method	Value*
Viscosity	ASTM D2196	60,000 cps
Solids by Weight	ASTM D1644	63%
Solids by Volume	ASTM D2697	50%
Weight per Gallon	ASTM D1475	11.1 lbs.
Flash Point	ASTM D56	NA
VOC	EPA 24	19 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 or specification range for any particular property of this product.

### COLORS

The standard color is light blue.

### Packaging

Packaging is standard in 5 gallon pails, 50 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 sunglasses when applying the A-300 Base TPO coating in bright sunshine.

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

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### **APPLICATION EQUIPMENT**

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

1. Brush: Suitable for small areas and flashings. Use a soft bristle 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. Use of 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 and safety data. Refer to the Mule-Hide published specifications for appropriate application rates. Application rates are determined by surface type and warranty term requested. The acrylic specifications may be found on the Mule-Hide website: [www.mulehide.com](http://www.mulehide.com). The following instructions are basic guidelines only.

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

Mule-Hide recommends that 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. Any metal to be coated that has rusted areas must be primed with A-125 Metal Primer. Mule-Hide recommends A-300 Base TPO may be applied in 1 (one) coat at an approximate rate of 1.5 gal per 100 square feet (24 wet mils, 12 dry mils). Applying the A-300 Base TPO 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 Base TPO should always be applied at a rate of 1.5 gals per 100 square feet or less per coat.

Once the A-300 Base TPO is applied, Mule-Hide recommends allowing the coating to dry till the next day (a minimum of 12 hours) prior to the application of additional base or top coats. A-300 Base 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. A-300 Base TPO cannot be left exposed as a standalone finished product. A-300 Base TPO must always be top coated with A-300 Finish coating.

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.

For information pertaining to the application of A-300 Base over specific substrates please refer to the Mule-Hide published acrylic specifications.

***Not for use on other roof surfaces/substrates.***

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### **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 over an approved substrate/existing roof surface in compliance with Mule-Hide's published specifications by a Mule-Hide Eligible Contractor. Substrate preparation and material application must be in accordance with Mule-Hide application recommendations and procedures. Consult the Mule-Hide Technical Services Department for additional information on material and system warranties.

### **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.