



## Product Data Sheet

# A-300 BASE TPO

### DESCRIPTION

Revision Date: Mar 2023

Mule-Hide A-300 Base TPO is a VOC compliant, solvent-based primer designed to improve the adhesion of acrylic and silicone roof coatings to most aged TPO membranes. Its orange color enables strong identification for the applicator to achieve complete, monolithic surface application. 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*
Solids Volume (%)	ASTM D1683	6.5 ± 1.5
Flash Point (°F)	PMCC	116.6
Maximum VOC (gm/L)	Calculated	42
Weight/gal (lb)	ASTM D1475	10.5 ± 1

\*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 Orange.

### PACKAGING

Packaging is standard in 4.75-gallon pail (17.9 liters), 50-gallon drum (189 liter).

### FEATURES AND BENEFITS

- VOC compliant
- Enhances adhesion of acrylic and silicone roof coatings
- Single coat application
- Easy to apply
- One component
- Quick drying
- Outstanding coverage offers a cost-effective solution versus various competitive products

***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.***

### **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**

#### **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 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:**

- Mix well prior to application.
- Application rate: Apply at a rate of 4–6 mils. (300–400 sq ft per gallon)
- Apply with a roller, brush or sprayer.
- Drying times will vary depending on application rate, temperature and humidity. Typical drying time is between 5–15 minutes.
- Commencement of work by the contractor implies his approval of the deck surface.
- For information pertaining to the application of A-300 Base TPO over specific substrates please refer to the Mule-Hide published acrylic specifications.

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

### **PRECAUTIONS**

- Apply only when ambient temperatures are between 42°F and 120°F.
- Do not thin.
- Protect from freezing.
- Avoid breathing vapors and mists.
- Use with adequate ventilation.
- Keep product away from heat, sparks, flames, and all other sources of ignition.
- Do not permit smoking in use or storage areas.

### **STORAGE AND CLEANING**

- Shelf life is 24 months if stored in original unopened containers.
- All containers should be sealed when not in use.
- Store between 40°F and 100°F.
- If temperatures are cold, store product in a heated area overnight.
- **DO NOT HEAT WITH AN OPEN FLAME.**
- Observe normal safeguards for storing and handling of this product prior to and during application.
- Clean equipment and overspray with water.
- Clean hands with waterless hand cleaner.
- Application tools and equipment can be cleaned with odorless mineral spirits solvent. Recirculate through lines and spray equipment guns until residual coating is removed.
- **DO NOT USE WATER OR RECLAIMED 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

### **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.