



Product Data Sheet

A-600 BASE

DESCRIPTION

A-600 BASE by Mule-Hide is an all-acrylic polymer based coating designed for improved adhesion to the surface of suitably cleaned, weathered (minimum 4 years) TPO (Thermoplastic PolyOlefin) roofing membranes and flashings. A-600 BASE is top coated with A-300 FINISH



BASIC USES

A-600 BASE provides a well bonded surface for the application of A-300 FINISH over a properly cleaned, weathered TPO roofing membrane and flashings. Incidental areas of membrane repairs (new membrane) can also be coated when using this system.

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 range for any particular property of this product.

COLORS

The standard color is light gray.

PACKAGING

Packaging is standard in 4.75 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 MSDS 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

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 sunshine.

CAUTION!! COATED AREAS BECOME EXTREMELY SLIPPERY WHEN WET.



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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 p.s.i.

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 – Weathered TPO Roofs

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

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.

For proper spray equipment, always refer to the Mule-Hide Airless Spray Equipment Requirement Chart.

Cleaning

Apply A-151 EPDM ReSurface Agent full strength using an agricultural sprayer or any air-less spray equipment. Adjust the spray nozzle to a uniform spray pattern. A continuous spray pattern with a 3 to 4 foot arc works the best. Allow the A-151 EPDM ReSurface Agent™ to stand for a minimum of 5 minutes. Power wash using a commercial power-washer, with a minimum pressure of 2000 psi and a spray (fan) tip of not less than .040 inches. Hold the spray tip approximately 12 inches from the roof membrane. **Use care not to damage the TPO membrane or seams by holding the spray tip too close to the membrane.** Begin cleaning at the highest point of the roof. Use a constant overlapping pattern and work down the roof. When properly cleaned, the TPO surface will become bright white. If streaking is apparent, repeat the rinse step until the TPO is totally clean and white. Allow the roof to dry completely when cleaned. Consult A-151 EPDM ReSurface Agent specification for further details.



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Base Coat

Apply A-600 BASE full strength by either brush, roller, or air-less spray equipment over clean, dry roof surface. Apply A-600 BASE at a minimum rate of 1 gallon per 100 square feet. For extended performance apply at 1.5 gallons per 100 square feet. Allow roof to dry completely before application of Finish Coat. Approximate Drying Time is 12 hours (75° F @ 50% rel. hum.).

APPLICATION – Weathered TPO Roofs - (continued)

Finish Coat

Apply A-300 FINISH over prepared surface using either roller or air-less spray equipment over clean, dry base coat at a minimum application rate of 1 gallon per 100 square feet. For extended performance, apply A-300 at 1.5 gallons per 100 square feet.

Application Precautions

Do not apply either the A-600 BASE or the A-300 FINISH at a coverage rate higher than 2 gal per 100 square feet per coat. Application at coverage rates higher than 2 gal per 100 square feet can result in surface splitting or blistering due to trapped moisture. When applying multiple coats, both the A-600 BASE and A-300 FINISH 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.

Consult A-300 FINISH specifications for further details.

WARRANTY

A material warranty may be available when products are installed according to Mule-Hide's published specifications

Warranty	A-600 BASE Required	A-300 FINISH Required
5-Year Membrane Only	Min 1 Gallon per Square	Min 1 Gallon per Square
10-Year Membrane Only	Min 1.5 Gallons per Square	Min 1.5 Gallons per Square

PRECAUTIONS

Existing spray equipment must be thoroughly cleaned prior to application of A-600 BASE. Ensure that all residue from previous applications of A-125 PRIMER, or other products containing zinc oxide is completely removed from spray equipment. **Contamination of A-600 BASE with zinc oxide will result in lower adhesion to TPO membranes**

Application temperature of A-600 BASE is between 40°F and 100°F. Do not apply A-600 if ambient temperatures are expected to fall below 40°F until product is fully dry.

Do not apply during periods of high humidity (>90%) or if rain is expected.

Store material at 45°F and above.



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PRECAUTIONS (continued)

Do not allow A-600 BASE to freeze. Frozen material is unusable and must be disposed of.

Roof surfaces will become extremely slippery during application of A-151, A-600 and A-300 products, and will be very slippery when wet after completion of project.

CURED FILM PROPERTIES of A-600 BASE

Property	Test Method / Condition	Result
Approximate Drying Time to Recoat	75° F @ 50% rel.hum	12 hours
Tensile Strength	ASTM D2370	250 psi +/- 25%
Elongation	ASTM D2370	220% +/- 50%
Low Temp. Flexibility	ASTM D522 - 0.5" mandrel	PASS
Water Permeance	ASTM D1653	< 50

CLEAN UP

Equipment clean up is simple using 115 CLEANER 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.

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.