

A-400-W MASONRY WALL COATING

DESCRIPTION

Mule-Hide A-400-W MASONRY WALL COATING ("A-400-W") is a tough, elastic, acrylic coating for exterior masonry surfaces. A-400-W has an exceptional balance of elongation and tensile strength that permits it to "bridge" minor cracks up to 1/16" that form in the substrate before and after the coating has been applied. Mule-Hide A-400-W will not wrinkle or split when temperature changes cause cracks to expand and contract up to 1/16". The formulation is based on chemistry that imparts excellent dirt resistance despite the soft, flexible nature of the film.

TYPICAL PHYSICAL PROPERTIES

Weight / Gallon	12.3 +/- 0.3 lbs
Solids	
(% by weight)	69 +/- 3
(% by volume)	53 +/- 3
Viscosity - cps	16000 +/- 1500
- KU	100 +/- 5
pH	>8.5
Service Temperature Range	-30°F to 200°F
Application Temperature Range	40°F to 100°F

USES

Mule-Hide A-400-W is designed to provide a flexible, protective waterproofing membrane over various substrates including concrete, stucco, block, and other exterior masonry walls.

COLORS

Mule-Hide A-400-W is available in five standard colors, White, Beige, Tan, Light Gray and Dark Gray.

PACKAGING

Packaging is standard in 5 gallon pails, 55 gallon drums and 275 gallon reusable 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.

ALL A-SERIES COATINGS MUST BE PROTECTED FROM FREEZING AT ALL TIMES.

PROTECTION & SAFETY

Protect all areas not scheduled to be finished or coated by masking or covering to prevent over spray or accidental coating. The contractor 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 sun shine.
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 touch-ups. Use a synthetic bristle brush.
2. Roller: Suitable for smaller areas. Use a medium to long napped roller cover.
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 two gallons per minute at 3000 psi.

Gun

The airless spray gun should be equipped with a ball bearing swivel for ease of handling. Recommended orifice size is .019 to .035 inch diameter with a wide angle fan pattern. Exact orifice size will vary with the temperature of the product and the weather conditions. A Reverse-A-Clean nozzle is recommended and the filter screen should be removed.

Hoses

Minimum recommended amount is three 50 foot lengths of high pressure material 1/2" ID hose and one length of high pressure 3/8" ID whip hose.

APPLICATION

Prior to the application of any Mule-Hide Coatings, 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.

New concrete must cure for a minimum of 28 days before applying A-400-W.

Properly clean wall surface with Mule-Hide 115 CLEANER and rinse well. Fill all cracks larger than 1/16" up to a maximum width of 1/8" with A-200 FLASHING GRADE and feather all edges. Use the masonry industry's standard repair procedures for repairing large cracks or repairing broken blocks. Apply Mule-Hide A-400-W in two coats; the first coat shall be applied at the minimum rate of 1 gal per 100 square feet with a maximum rate of 2 gallons per 100 square feet. After a minimum of 12 hours cure time, but before 72 hours, apply the second coat of A-400-W perpendicular to the first coat at the minimum rate of 1 gal per 100 square feet. The finished coverage must be a minimum rate of 2 gal per 100 square feet. Coverage rates may vary with surface texture and porosity. Cool temperatures and high humidity retard cure, which can result in longer cure times between coats.

Note: Applying the A-400-W in one coat higher than 2-gal per square can result in runs or sags and surface splitting.

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CURED FILM PROPERTIES

<u>Property</u>	<u>Test Method/Condition</u>	<u>Result</u>
Approx. Drying Time		
- to touch	70°F @ 50% rel. hum.	1 hour
- to full cure	70°F @ 50% rel. hum.	5-7 days
Tensile Strength	ASTM D412	290 +/- 25 psi
Elongation	ASTM D412	325% +/- 50%
Hardness, Shore A	ASTM D2240	60 +/- 5
Low Temp. Flexibility	ASTM D412, 1/2" mandrel	PASS
Weathering Resistance	5000 hrs. Atlas Weatherometer	No effect
Water Permeability	ASTM E96-80	0.003 +/- 0.001

CLEAN UP

Clean up can be made using a mild detergent and water solution while coating is still wet; Mule-Hide 115 CLEANER is recommended. Thoroughly rinse all hoses and spray equipment at end of the day. Make sure all materials; debris, containers, etc. are removed from work area and properly disposed.

MATERIAL WARRANTY

Mule-Hide offers a Material Only Warranty for A-400-W for a period of five years against manufacturing defects and premature deterioration to the point of failure. Substrate preparation and material application must be in accordance with Mule-Hide recommendations and procedures. A-400-W shall be applied at a minimum finished coverage rate of 2 gallons per 100 square feet. Coverage rates may vary with surface texture and porosity. The Contractor must complete and submit a warranty application prior to the start of the project. Upon confirmation of the completion of the project and proof of purchase a 5 yr material warranty will be issued.

TECHNICAL SERVICE

Contact Mule-Hide Products Company at 800/786-1492 for technical service information.

Prior to use of this material, read all appropriate Material Safety Data Sheets and warnings.

DISCLAIMER

The statements provided concerning the material shown are intended as a guide for material usage and are believed to be true and accurate. 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 make nor does it authorize anyone to make any warranty of merchantability or fitness for any purpose or any other warranty, guarantee or representation, expressed or implied, concerning this material except that it conforms to Mule-Hide's physical properties. Buyer and user accept the product under these conditions and assume the risk of any failure, any injury of 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 complaint or failure before repairs are made.