

A-320 FINISH

PRODUCT DESCRIPTION

A-320 FINISH ("A-320") is a white, non-yellowing acrylic based elastomeric coating. It exhibits exceptional exterior durability and UV stability, superior flexibility in low temperature environments, and high reflectivity. A-320 FINISH will maintain its white appearance when applied over any mod bit or fresh asphaltic substrates (New smooth BUR or Granulated Cap Sheets less than 5 years old) and areas that periodically pond water (not to exceed 48 hours). A-320 FINISH is formulated to improve resistance to damage caused by periodic ponding. However, A-320 FINISH is not intended as a "cure all" for ponded water situations and prolonged exposure to moisture in ponded areas may be detrimental to A-320 FINISH. Areas where ponded water remains for more than 48 hours may require the installation of new drains to provide proper drainage or tapered insulation and new, compatible roofing materials to create positive drainage to the existing drain system. NRCA guidelines for ponding water state, "If the ponding condition cannot be eliminated, perform more frequent inspections to monitor and maintain the membrane surface affected by the ponding condition. Implement permanent solutions at the time of reroofing." A-320 FINISH is available in 1 and 5 gallon pails, 55 gallon drums, and 275 gallon totes.

BASIC USES

A-320 FINISH is designed to impart a white, weatherproof seal over a variety of surfaces, such as:

- Asphaltic roof surfaces
 - New Smooth BUR (less than 5 years old)
 - Modified Bitumen
 - Granulated Cap Sheets
- Acrylic Coatings - Used as a topcoat
- Metal Substrates - Used as a topcoat

Use A-320 FINISH in areas where the existing fresh asphalt or aged asphalt based roof system would discolor and stain a conventional white acrylic coating.

TYPICAL PHYSICAL PROPERTIES

Typical Physical Properties	
Weight per Gallon	11.7 +/- 0.4 lbs
Solids - % by Weight	63.2 +/- 3
Solids - % by Volume	51.0 +/- 3
Viscosity - cps	16,000 +/- 1,500
Viscosity - KU	125 +/- 6
PH	>9.0
Service Temperature Range	-45° F to 200° F
Application Temperature	40° F to 100° F
V.O.C	36.6 grams per liter

COLOR

Standard color is WHITE

PACKAGING

5-gallon pails, 55-gallon drum, and 275-gallon reusable totes.

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BENEFITS & SUPPLEMENTAL STATEMENTS

Resistant to staining from asphaltic products.

TYPICAL PHYSICAL PROPERTIES

Property	Test Method / Condition	Result
Approximate drying time to recoat	75° F @ 50% RH	12 hours
Tensile Strength	ASTM D412	220 psi +/- 25 psi
Elongation	ASTM D412	285% +/- 50%
Hardness, Shore A	ASTM D2240	60 +/- 5
Low Temp. Flexibility	ASTM D412 - 0.5" mandrel	Pass
Weathering Resistance	5000 hrs. Atlas Weatherometer	No Effect

RADIATIVE PROPERTIES

For Energy Star and Cool Roof Rating Council (CRRC)

	TEST METHOD	A-320 Finish
ENERGY STAR initial solar reflectance	Solar Spectrum Reflectometer	0.83
ENERGY STAR solar reflectance after 3 years	Solar Spectrum Reflectometer	0.60
CRRC initial solar reflectance	ASTM C1549	0.83
CRRC solar reflectance after 3 years	ASTM C1549	0.66
CRRC initial thermal emittance	ASTM C1371	0.91
CRRC thermal emittance after 3 years	ASTM C1371	0.90

An ENERGY STAR qualified low slope roof product must have an initial solar reflectance of at least 0.65 and a 3-year aged solar reflectance of at least 0.50.

The Cool Roof Rating Council (CRRC) does not specify minimums for reflectance or emittance but they do require specific protocols for testing and reporting. Cleaning of the aged roof surface is **not** permitted for determination of radiative properties after 3 years.

COVERAGE RATES

Coverage rates vary by substrate

INSTALLATION TEMPERATURE

40° F to 100° F

INSTALLATION INSTRUCTIONS

APPLICATION EQUIPMENT

Can be applied by roller or spray
 Airless Spray Rig with minimum material output of 2 gal at 3,000 psi
 Max. of 300' of high-pressure hose.
 Spray tip: 0.015" to 0.027" (will vary with temperature)
 Consult Application Handbook for additional information

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SURFACE PREPARATION

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

APPLICATION

Properly clean roof surface scheduled to receive coating, and rinse well. Make all necessary repairs to the existing roof surface in accordance with NRCA recommended procedures. Mule-Hide recommends a minimum finish application rate of 2 gals per 100 square feet. For extended performance Mule-Hide A-320 may be applied in two coats at a rate of 1.5 gal per 100 square feet, per coat for a final coverage rate of 3 gals per 100 square feet. Do not apply the A-320 at a coverage rate higher than 2 gal per 100 square feet per coat. Applying the A-320 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, A-320 should always be applied at a rate of 1.5 gals per 100 square feet or less.

Mule-Hide recommends a 12-hour (approximately) cure time between coats or that the product be sufficiently dry so 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. Commencement of work by the contractor implies his approval of the deck surface.

PRECAUTIONS

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.

CLEAN UP

Equipment clean up is simple using Mule-Hide 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.

STORAGE & HANDLING

Do not store any products in areas where temperatures will fall below freezing (no less than 45° F).
ACRYLIC PRODUCTS MUST BE PROTECTED FROM FREEZING AT ALL TIMES.

PROTECTION & SAFETY

Mule-Hide maintains Material Safety Data Sheets on all of its products. Material 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 Material 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

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