

ELASTOMERIC ACRYLIC COATINGS

FAQ'S & REFERENCE GUIDE

Frequently asked questions about coatings

Problem Reference Guide



"The name trusted in roofing since 1906"



ELASTOMERIC ACRYLIC COATINGS FAQ'S

WHAT DO I NEED TO GET STARTED IN THE ELASTOMERIC COATINGS BUSINESS?

Equipment & manpower needs are small – a 3 or 4 person crew equipped with a power washer, roller, brushes, and hand tools. For larger projects, Mule-Hide recommends the use of an airless spray rig. (Contact Mile-Hide for equipment recommendations.)

WHAT MAKES A COATING “ELASTOMERIC”?

Many products (paints, aluminum coatings) are being sold as elastomerics even though they don't actually have properties of a truly high-performance elastomeric coating.

Elastomeric means:

1. It stretches as the substrate moves and then returns to its original shape without deformation.
2. The coating “membrane” is formed in place, right on the roof deck where the curing takes place.

Mule-Hide Professional Grade Elastomeric Coatings clearly meet the criteria:

Superior Flexibility – eliminates leaking and cracking over a broad range of temperature fluctuations.

Durability – 100% acrylic emulsion offers resistance to weathering, abrasion, and hydrolysis (water penetration); and is resistant to yellowing and chalking

A-300 and A-320 are CRRC® rated and ENERGY STAR® listed – Mule-Hide white A-300 FINISH has been independently tested to EPA guidelines with results of initial solar reflective values up to 86% and 3 year aged values up to 72%; plus emissivity values of 91%. This can reduce surface temperatures on metal roofs by as much as 50°F and interior temperatures by 15°F.

HOW LONG SHOULD AN ELASTOMERIC METAL ROOF COATING SYSTEM LAST?

Based on application rates, Mule-Hide offers warranties up to 10 years. However, roof and environment conditions vary greatly, and may permit longer lifecycles.

WHAT ABOUT A HEAVILY RUSTED ROOF DOES THIS PROJECT DEMAND A NEW METAL ROOF?

Not as long as the metal roof is sound. Mule-Hide offers warranties up to 10 years. However, roof and environmental conditions vary greatly, and may permit longer lifecycles.

WHAT IS THE PURPOSE OF THE A-200 FLASHING GRADE?

This highly flexible, elastomeric sealant retains superior flexibility over a broad range of temperature extremes creating a watertight seal around penetrations, seams, fasteners, and joints.

DO I REALLY NEED TO APPLY A SECOND FINISH COAT?

Yes, applying coatings at rates higher than 2 gal. per square can result in surface splitting or blistering due to trapped moisture.

ARE THERE CERTAIN APPLICATIONS WHERE I SHOULD NOT USE ACRYLIC COATINGS?

Cool temperatures and high humidity retard curing. Do not apply any elastomeric coatings if weather conditions will not permit complete cure. For applications in higher temperatures (above 91°F) Mule-Hide recommends multiple thin coats to prevent trapped moisture problems.



WHAT ARE THE WARRANTY FEES?

Fees vary depending on the level of warranty. Current fees are listed on the Mule-Hide Warranty Applications.

DO CONTRACTORS NEED TO PROVIDE INVOICES ALONG WITH WARRANTY APPLICATIONS?

Yes, invoices must be provided for all Elastomeric Coating Warranties.

WHAT DOES THE TYPE OF WARRANTY HAVE TO DO WITH COVERAGE RATES?

The application or coverage rate directly impacts what level of warranty the roof coating system is eligible for as shown here:

ACRYLIC 5-YEAR MATERIAL WARRANTY (no fee):

115 CLEANER	1 gal. per 100 sq. ft.
A-125 METAL ROOF PRIMER	½ gal. per 100 sq. ft.
A-200 FLASHING GRADE	1 gal. per 100 linear ft. of seams (3" wide x 60 wet mils)

ACRYLIC 10-YEAR SYSTEM WARRANTY (fee)*:

115 CLEANER	1 gal. per 100 sq. ft.
A-125 METAL ROOF PRIMER	½ gal. per 100 sq. ft.
A-200 FLASHING GRADE	1 gal. per 100 linear ft. of seams (3" wide x 60 wet mils)
A-300 (300-FF, 320) FINISH	1.5 gal. per 100 sq. ft. (2 coats minimum)

*System warranties available on metal roof only.

WHAT ADDITIONAL ACCESSORIES MIGHT I NEED FOR REPAIR PROJECTS?

Mule-Hide SEAL-FAST® Fabric Tape – White, 6" x 25' roll Mule-Hide FAST-CAPS® & Tool – 500 caps plus 1 tool per bag.

ESTIMATING TIPS

1. Always add 20% to the total roof area to compensate for panel profile.
2. A-200 FLASHING GRADE:

- Seams & End Lap Joints
calculate A-200 at 100 linear ft. per gal.
- HCAV penetrations, ridge vents, etc
calculate A-200 usage at 50 to 75 linear ft. per gal.
- Field Fasteners
approximately 1 gal. of A-200 per 300-400 fastener heads

**WARRANTIES AVAILABLE
REFER TO MULE-HIDE
COATINGS APPLICATION
HANDBOOK FOR DETAILS.**

LOOSE OR MISSING FASTENERS ON A METAL ROOF?

SOLUTION: A-200 FLASHING GRADE

Highly flexible, heavy bodied acrylic sealant brush roll or extrude

Step 1 – Power wash with 115 CLEANER
[Repair existing roof system]

Step 2 – Remove loose fasteners

Step 3 – Replace with oversize fasteners

Step 4 – Encapsulate fasteners with A-200
(1 gal. per 300-400 fastener heads)

Solids % by volume=51

Elongation values of 500%



COLD WEATHER SOLUTION: FAST-CAPS®

Instant watertight seal, prevents leaks, rust, fastener back-out Aluminum-faced disks with pressure-sensitive adhesive Reinforced with high-density polymers for tear strength.

Step 1 – Power wash with 115 CLEANER
[Repair holes, damaged areas
and remove old caulk]

Step 2 – Peel release paper, center FAST-CAPS®
over problem fastener

Step 3 – Center securing tool and push/twist
to create tight seal

LEAKING DUCTWORK?

SOLUTION: A-200 FLASHING GRADE

Highly flexible, heavy bodied acrylic sealant brush roll or extrude
50 to 75 linear ft. per gal.

Step 1 – Power wash with 115 CLEANER

Step 2 – Completely seal leaking areas with A-200

Step 3 – Embed polyester mat and coat over with A-200
(coat several inches of penetrations & roof panel)

Solids % by volume=51



COLD WEATHER SOLUTION: FAST-CAPS® TAPE OR SEAL-FAST® FABRIC TAPE*

Seals clean surfaces on contact for watertight seal for Metal
(also most PVC, TPO, Hypalon, BUR, Mod Bit-SBS/APP)

Will not crack or become brittle in extreme temperatures

Compatible with Mule-Hide Coatings, non-butyl!

Step 1 - Power wash with 115 CLEANER
[Repair holes, damaged areas
and remove old caulk]

Step 2 – Center SEAL-FAST® TAPE over area,
peel release paper

Step 3 – Set the SEAL-FAST® TAPE over the problem area

Step 4 – Roll securely into place with a 2" steel or nylon roller

*SEAL-FAST® FABRIC TAPE – ideal for metal roof seam reinforcement

LEAKING PENETRATION?

SOLUTION: A-200 FLASHING GRADE

Highly flexible, heavy bodied acrylic.
Brush, roll or spray 50 to 75 linear ft. per gal.

Step 1 – Power wash with 115 CLEANER

Step 2 – Encapsulate penetrations with A-200
(Coat several inches up sides of penetrations
& onto roof panel)
Solids % by volume=51
Elongation values of 500%



LEAKY OR RUSTY METAL ROOF?

SOLUTION: A-125 METAL ROOF PRIMER

Zinc-rich, modified acrylic for tough adhesion.
Encapsulates rust & inhibits new rust. Brush, roll or spray.
Dark Yellow color for easy to see coverage.

SOLUTION: A-300 FINISH

CRRC® rated and ENERGY STAR® listed!
Bright white, highly elastomeric and durable.
Brush, roll or spray. [Repair existing roof system, replacing missing or loose fasteners and metal panels as needed.]

Step 1 – Power wash with 115 CLEANER

Step 2 – Prime with A-125, .5 gals. Per 100 sf.
Medium to heavy rusted areas –
apply 2 coats of A-125
Solids % by volume=35

Step 3 – Encapsulate penetrations & seal seams with A-200,
1 gal. per 100 linear ft. of seams (3" wide x 60 wet mils)

Step 4 – Apply 2 coats of A-300, 1.5 gals. Per 100 sf.
(Allow 12 hrs cure time between coats)
Solids % by volume=54
Elongation values of 325%



NEED A TOP COAT FOR A NEW SPF ROOF?

SOLUTION: A-300 FINISH

CRRC® rated and ENERGY STAR® listed!
Bright white, highly elastomeric and durable.
Reflectivity up to 86%, 3-year aged values up to 72%.
Emissivity values of 91%. Brush, roll or spray.

Step 1 – Apply 2 coats of A-300, 1.5 gals. Per 100 sf.
(Allow 12 hrs. cure time between coats)
Solids % by volume=54
Elongation values of 325%



WEATHERED SKYLIGHT?

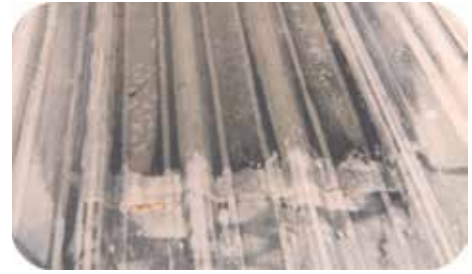
SOLUTION: A-301 SKYLIGHT FINISH

100% acrylic – milky white in pail, dries to clear, flexible film.
Brush, roll or spray.

Step 1 – Power wash with 115 CLEANER
[Repair holes, damaged areas
and remove old caulk]

Step 2 – Seal outer panel edges with A-200

Step 3 – Apply A-301, 2 gals. Per 100 sf.
Solids % by volume=36
Elongation values of 400%



ALLIGATORED BUR?

SOLUTION: A-320 FINISH FOR COATING OVER ASPHALTIC SUBSTRATES

CRRC® rated and ENERGY STAR® listed!
Highly durable, white, reflective acrylic.
Brush, roll or spray.

Step 1 - Power wash with 115 Cleaner
[Repair existing roof system]

Step 2 – Encapsulate penetrations with A-200, 1 gal. per
100 linear ft. (3" wide, 60 wet mils)

Step 3 – Apply 2 coats of A-320, 1.5 gal. Per 100 sf.
(Allow 12 hrs. cure time between coats)
Solids % by volume=51
Elongation values of 450%



DETERIORATED MINERAL SURFACE CAP SHEET?

SOLUTION: A-320 FINISH FOR COATING OVER ASPHALTIC SUBSTRATES

CRRC® rated and ENERGY STAR® listed!
Highly durable, white, reflective acrylic.
Brush, roll or spray.

Step 1 - Power wash with 115 Cleaner
[Repair existing roof system]

Step 2 – Encapsulate penetrations with A-200,
1 gal. per 100 linear ft.

Step 3 – Apply 2 coats of A-320, 1.5 gal. Per 100 sf.
(Allow 12 hrs. cure time between coats)
Solids % by volume=51
Elongation values of 450%



PERIODIC PONDED WATER?

SOLUTION: A-320 FINISH FOR COATING AREAS WHERE PERIODIC PONDED WATER OCCURS

CRRC® rated and ENERGY STAR® listed!

Areas where ponded water remains 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.

Prep & Base Coat Steps – See base coat system steps
[Repair existing roof system]

Finish Step – Apply A-320 to periodic ponded water area,
2 gal. per 100 sf.
Solids % by volume=54
Elongation values of 285%



CRACKED MASONRY WALL?

SOLUTION: A-400-W MASONRY WALL COATING

Tough, elastic acrylic for exterior masonry surfaces.

Brush, roll or spray.

Step 1 – Power wash with 115 CLEANER

Step 2 – Fill cracks larger than 1/16" with A-200
[Repair large cracks (>1/8") & broken blocks]

Step 3 – Apply 2 coats of A-400-W, at 1-1.5 gal. per 100 sf.
(Allow 12 hrs. cure time between coats)
Available in white, beige, tan, light gray, or dark gray.
Solids % by volume=50.9
Elongation values of 325%



WEATHERED EPDM?

SOLUTION: MULE-HIDE EPDM RESTORATION SYSTEM™

Finish Step – Featuring our 115 Cleaner for tough adhesion of A-300 Finish to EPDM



WARRANTIES AVAILABLE

REFER TO MULE-HIDE PRODUCT DATA SHEETS & ACRYLIC COATING SYSTEM SPECIFICATIONS PRIOR TO APPLICATION OF MULE-HIDE ELASTOMERIC COATINGS.

Consult Mule-Hide Technical Support 1-800-786-1492 for detailed repair recommendations for each of the conditions described in this brochure. The illustrations are only general recommendations that may or may not be applicable under certain conditions. To ensure proper adhesion, all coatings must be applied to a clean surface free of dirt, oil, and grease. Adhesion tests should be performed to ensure adhesion and compatibility between the coating and the substrate.



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“The name trusted in roofing since 1906”

Customer Line: 800-786-1492 • www.mulehide.com

Check our website monthly for the latest updates & technical bulletins.

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