










Product	ASTM	Application Rate / Gallon Varies by surface roughness & porosity	Spray Equipment		Brush	Roll
			Required psi	Tip Size		
#120 Premium Non-Fibered Aluminum Paint	D2824 Type I	¼ to ½ Gallon/100 ft. ²	1000 - 1500	.019-.030	Ok	Ok
#220 Alumi-Top® Fibered Aluminum Roof Coating	D2824 Type II	1½ to 2 Gallons/100 ft. ²	1000 - 2000	.055-.071	Ok	No
#555 Brilliant Aluminum Roof Coating	D2824 Type III	1½ to 2 Gallon/100 ft. ²	1000 - 2000	.055-.071	Ok	No
#869  Elastomeric Aluminum Roof Coating	D2824 Type III	1½ to 2 Gallons/100 ft. ²	1000 - 2000	.055-.071	Ok	No









WHEN TO COAT THE ROOF:

GOOD	BETTER	BEST
Apply protective coating in the 5 th to 7 th year	Apply protective coating the 3 rd years	Apply protective coating on new roof the 1 st year

GENERAL

-  Power wash surface (use pressure of 800 to 1200 psi). Scrub areas with build up of dirt, grease and other foreign matter with solution of tri-sodium phosphate (TSP¹) and water. Rinse thoroughly.
 -  Repair defects: Splits, cracks, ridges, large blisters, deteriorated flashings, cracked metal edging and any other defect affecting waterproofness of the roofing system. See Henry Repair Guide. Allow to cure as required.
 -  Test drains before start of work and again at completion to make sure they are running freely.
 -  Read product data completely.
 -  Observe weather limitations. Take weather conditions into consideration at time of application as well as within 48 hours following application.
 -  Do not apply asphalt primer when coating roof with emulsion.
 -  For best results reinforce valleys, waterways and alligatored surfaces with layer of 107 emulsion and 196 polyester. Allow to cure.
 -  Asphalt-based products form a small amount of water soluble material as they weather. Normally not noticeable because rain washes it away. Roofs with poor drainage will accentuate the problem by concentrating the water soluble material in low spots. This can degrade the aluminum coating. If there is no rainfall, hose these roofs to remove the water solubles.
- ¹ - Check with local municipalities for any limitations on use of TSP. Some TSP substitutes are not effective on roof oils.

Helpful Tips -

-  For best results spray apply coating. Can also be applied by brush. Roller applications not recommended.
-  Stir until all dark streaks disappear. Power mix for best results. To make stirring easier, turn new unopened container over several hours before stirring. This allows the heavier material that has settled at the bottom to mix into the coating.
-  **MUST NOT BE THINNED!**
-  Surface must be dry. Temperature must not drop below 40 F. during application or drying time. Do not apply if rain is expected before product is dry. Dry time will vary by temperature and humidity.
-  Use stretch film to protect roof top units.
-  Close or cover air intakes when spraying to prevent odor being drawn inside.
-  Apply coatings in a single coat. Apply in parallel strokes to avoid blotchy appearance.
-  Do not prime when coating roof with #869.

GUIDE SPECIFICATION #HMS-[120] or [220] or [555] or [869]

1. PREPARATION
 - a. Power wash all surfaces. Scrub out build up of dirt and grease. With TSP.
 - b. Repair defects in the roof membrane and flashings per Henry Roof Repair Guide.
 - c. Protect adjacent walls not scheduled for coating. Protect equipment, roof top units, etc. from overspray. Close air intakes when spraying.
 - d. Reinforce valleys, badly alligatored surfaces and areas that pond water with a layer of #196 polyester embedded in 4 gallons of #107 emulsion and and surfaced with 3 gallons of #107 emulsion.
2. SURFACE REQUIREMENTS
 - a. Coat APP membranes and new roofs with a glaze coat with a uniform layer of #107 asphalt emulsion applied by brush or spray at the rate of 3 gallons per 100 ft.²
 - b. Coat new glass cap installations within 48 hours of original installation.
 - c. Wait 90 days if roof has been surfaced with a solvent based (cut-back) coating.
3. REFLECTIVE COATING
 - a. Over prepared dry surface apply # _____ Aluminum Coating at the rate of _____/gallons per 100 ft.² in one coat.
 - b. Any areas that peel must be redone before the project will be considered complete.

Aluminum Estimating Guide

Repairs (See Henry Repair Guide)

_____ sq.ft. of roof and flashing repairs ÷ 33 ft.². = _____ cans 104Q Spray primer @ \$ _____/Can = \$ _____

Repair Method 1:

#600 Ruftac (Alternative repair material) _____ 9" x 50' Rolls @ \$ _____/Roll = \$ _____
 _____ 12" x 50' Rolls @ \$ _____/Roll = \$ _____
 _____ 36" x 38' Rolls @ \$ _____/Roll = \$ _____
 #209 ElastoMastic (use at termination edges of Ruftac – 12½ ft.²/gallon) @ \$ _____/Pail = \$ _____

ElastoMastic available in 11 oz. Cartridges, 1 Gallon, 3½ Gallon, 5 Gallon containers

Repair Method 2:

Roof and flashing repairs to be 3 coursed:

_____ sq.ft. ÷ 30 ft.². = _____ 5 gallon pails #906 FlashMaster Plus or @ \$ _____/Pail = \$ _____
 _____ sq.ft. ÷ 21 ft.². = _____ 3½ gallon pails #289 ElastoCaulk @ \$ _____/Pail = \$ _____

#196 Polyester - 40" x 324' _____ Rolls @ \$ _____/Roll = \$ _____
 #181 Asphalt Coated Glass Fabric x 150 ft. long: _____ 4" Rolls @ \$ _____/Roll = \$ _____
 _____ *6" Rolls @ \$ _____/Roll = \$ _____
 _____ 12" Rolls @ \$ _____/Roll = \$ _____
 _____ *36" Rolls @ \$ _____/Roll = \$ _____

* These sizes also available in #183 Yellow Coated Glass Fabric x 150' long

#107 Asphalt Emulsion Base Coat (when required)

_____ sq.ft. of roof and flashings x 3 gallons* #107 Asphalt Emulsion= _____ gallons.

5 Gallon Pail covers approximately 165 ft.². _____ Pails @ \$ _____/Pail = \$ _____

55 Gallon Drum covers approximately 1830 ft.². _____ Drum @ \$ _____/Drum = \$ _____

Check for local availability in 275 gallon totes or bulk

LABOR: Option 1 - Use spray equipment sized to spray 3 to 10 gallons/minute.

Option 2 – Brush application – Labor varies by skill and experience of the crew

Aluminum Coating

_____ Squares of roof and flashings x 1½ - 2 gallons* #220 or #555 or #869 Aluminum Coating = _____ gallons

_____ Squares of roof and flashings x ¼ to ½ - gallons* #120 Aluminum Coating = _____ gallons

5 Gallon Pail covers approximately _____* ft.². _____ Pails @ \$ _____/Pail = \$ _____

50 Gallon Drum covered approximately _____* ft.². _____ Drum @ \$ _____/Drum = \$ _____

LABOR: Option 1 – Use equipment sized to spray at 3 to 5 gallons/minute.

Option 2 – Brush application – Labor varies by skill and experience of the crew

*Coverage Rates

***Note: coverage rate may be lower depending on surface roughness and porosity.**

Application Rate Gallons/100 sq.ft.	Square Feet Per 5 Gallon Pail	Square Feet Per 55 Gallon Drum
¼	2000	22,000
½	1000	11,000
1 ½	330	3,665

Application Rate Gallons/100 sq.ft.	Square Feet Per 5 Gallon Pail	Square Feet Per 55 Gallon Drum
2	250	2,750
3	165	1,830

