Henry®
#1 CHOICE OF PROFESSIONALS®

PRODUCT & ESTIMATE GUIDE
#HMS-[100] [107] or [307]
Asphalt Emulsion Roof Coatings

Product		ASTM	Application Rate / Gallon 100 ft.² Varies by surface roughness & porosity					Spray Equipment		Brush	Roll
								Required psi	Tip Size		
#100	ElastoMulsion®		Interply With Polyester 4	Coating Smooth Surface: 4 to 5	Coating Granule Surface: 4 to 6	Bonding Granules: 3½	Monolithic: (107 or 100) 9 Gallons With 3# Chopped glass #189	500 to 1500	.036 .080	ok	No
#107	Asphalt Emulsion	D1227 Type III, Class 1							.035 #30	ok	No
#307	Fibered Emulsion	D1227 Type II, Class 1					N/A		.050 #10	ok	No

WHEN TO COAT THE ROOF:

GOOD	BETTER	BEST
Apply protective coating in 5th to 7th Year	Apply protective coating in 5th year	Apply protective coating on new roof the 1st 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 (TSP[1]) 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.
- Do not allow emulsion to freeze. 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.
- Emulsion is thixotropic so can appear to be too thick. If using pails, use a long stir stick and cut a figure 8 through the material. This allows you to more easily pour the material onto the roof. Material will further liquefy when brushing the material over the roof surface.
- Surface may be damp, but not wet.
- Temperature must not drop below 50 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.
- Hose down building walls and grounds adjacent to spray area to avoid damage to building and grounds in the event of overspray.
- Use Stretch film to protect roof top units.
- Immerse brushes and tools in water when not in use and for easier clean-up.

GUIDE SPECIFICATION #HMS-[100] or [107] or [307]]

1. PREPARATION
   a. Power wash all surfaces. Scrub out build up of dirt and grease.
   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. 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. EMULSION APPLICATION
   a. Over prepared dry or damp roof surface, apply a uniform layer of #_____asphalt emulsion using a brush or spray equipment at the rate of _____ gallons per 100 ft.²
   b. Spray base flashings and other designated surfaces.
3. REFLECTIVE COATING (optional)
   a. Over prepared dry or damp 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.

Emulsion 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 ll 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

Asphalt Emulsion

_____sq.ft. of roof and flashings x ___*___ gallons* ☐#100 ☐#107 ☐ #307 Asphalt Emulsion = _____gallons.

5 Gallon Pail covers approximately ____*____ ft.^{2}. _____ Pails @ $_____/Pail = $_____

55 Gallon Drum covers approximately ____*____ ft.^{2}. _____ Drums @ $_____/Drum = $_____

Check for local availability in 275 gallon totes or bulk

LABOR: Option 1 - Use spray equipment sized to spray 3 to 15 gallons/minute.

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

Aluminum Coating (Optional)

_____Squares of roof and flashings x 1½ - 2 gallons* ☐#220 or ☐#555 or ☐#869 Aluminum Coating = _____gallons

5 Gallon Pail covers approximately ___*___ ft.^{2} _____ Pails @ $_____/Pail = $_____

55 Gallon Drum covered approximately ___*___ ft.^{2}. _____ Drums @ $_____/Drum = $_____

LABOR: Option 1 - Use spray equipment sized to spray 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
1 ½	330	3665
2	250	2750
3 ½	140	1570
4	125	1375

Application Rate Gallons/100 sq.ft.	Square Feet Per 5 Gallon Pail	Square Feet Per 55 Gallon Drum
5	100	1100
6	83	916
9	--	610