

| Product   | ASTM             | Application Rate / Gallon<br>Varies by surface<br>roughness & porosity |                         |                         |                      |                       | Spray Equipment |                | Brush | Squeegee<br>Interply<br>only |
|---|------------------|--|-------------------------|-------------------------|----------------------|-----------------------|-----------------|----------------|-------|------------------------------|
|   |                  |  |                         |                         |                      |                       | Required<br>psi | Tip<br>Size    |       |                              |
| #101 Unfibred Roof & Foundation Coating               |                  | Interply: 2 to 3   | Smooth Surface: 1½ to 2 | Granule Surface: 2 to 3 | Bonding Granules: 3½ | Bonding New Gravel: 6 | N/A             | N/A            | ok    | N/A                          |
| #201 Fibred Asphalt Roof Coating                      | D-4479 Type I.   |  |                         |                         |                      |                       | 2000<br>3000    | .062 -<br>.080 | ok    | ok                           |
| #203 Cold-Ap® Cement                                  | D-3019 Type III  |  |                         |                         |                      |                       | N/A             | N/A            | ok    | ok                           |
| #403 Cold-Ap® Cement –[spray grade]                   | D-3019, Type III |  |                         |                         |                      |                       | 2000<br>3000    | .062 -<br>.080 | ok    | ok                           |
| #902 PBA™ Permanent Bond Adhesive                     | D-3019, Type III |  |                         |                         |                      |                       |                 |                |       |                              |
| #903 Modified Bitumen Membrane Adhesive – High Solids | D-3019, Type III |  |                         |                         |                      |                       |                 |                |       |                              |

| APPLICATIONS                               |   |   |
|--|---|---|
| MAINTENANCE                                | RESTORATION   | COLD APPLIED ROOFING  |
| Coat smooth surface Built-up or SBS roofs. | Use with #195 or #196 spunbond polyester. See Specifications H1or2-PE-CR or H1or2-PE-GN | Use with Henry base sheets or Henry ModifiedPlus SBS membranes – See Guide Specifications |

**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<sup>1</sup>) 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.
- ☛ In hot climates reflective coating, granule or gravel surfacing is required.
- ☛ For best results reinforce valleys, waterways and alligatored surfaces with a layer of Henry cold adhesive and 196 polyester.
- ☛ 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. If there is no rainfall, hose these roofs to remove the water solubles.

<sup>1</sup> - 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.
- ☛ Use self-cleaning or reverse-a-tip when spraying.
- ☛ Roller application not recommended.
- ☛ **DO NOT THIN!**
- ☛ During Cold Weather keep material inside until ready to use. Belt warmers for drums and WarmMaster recommended for easier spraying and proper application rate.
- ☛ Material temperature should be 70°F. to 90°F at the spray tip for interply applications.
- ☛ Surface must be 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.

**GUIDE SPECIFICATION #HMS-[101] or [201] or [203] or [403] or [902] or [903]**

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 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 Fabric embedded in 3 gallons per 100 ft.<sup>2</sup> of specified coating and surfaced with additional 3 gallons per 100 ft.<sup>2</sup> of specified coating.
2. SURFACING
  - a. Over prepared and dry surface prime with #103 or #104 Asphalt Primer at rate of ¼ to ½ gallon per 0 ft.<sup>2</sup> and allow to dry.
  - b. Apply a uniform coating of specified coating over all roof areas at recommended rate.
  - c. For granule or gravel embedment broadcast clean and dry material into the adhesive while it is still wet.
  - d. For reflective coatings wait 3 to 6 months before applying Henry #120, #220, #555 or #869 Reflective Coating.
  - e. For water based reflective coatings wait 3 to 6 months and apply a base coat of #107 emulsion at rate of 3 gallons per 100 ft.<sup>2</sup> before applying Henry #229, #280, #287, #291 or #299.

# Protective Coating Estimating Guide

## Repairs (See Henry Repair Guide)

\_\_\_\_\_ sq.ft. of roof and flashing repairs ÷ 33 ft.<sup>2</sup>. = \_\_\_\_ 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.<sup>2</sup>/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.<sup>2</sup>. = \_\_\_\_\_ 5 gallon pails  #906 FlashMaster Plus or @ \$\_\_\_\_\_/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

## Protective Asphalt Based Roof Coating

\_\_\_\_\_ sq.ft. of roof & flashings x (see application guide) \_\_\_\_\_ Gallons\*  #101  #201  #203  #403  #902  #903 = \_\_\_\_\_ gallons

5 Gallon Pail covers approximately \_\_\_\_\_\* ft.<sup>2</sup>. \_\_\_\_\_ Pails @ \$\_\_\_\_\_/Pail = \$\_\_\_\_\_

55 Gallon Drum covers approximately \_\_\_\_\_\* ft.<sup>2</sup>. \_\_\_\_\_ Drums @ \$\_\_\_\_\_/Drum = \$\_\_\_\_\_

LABOR: Option 1 - Use spray equipment sized to spray 2 to 4 gallons/minute.

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

## Aluminum Coating Option [if specified]

\_\_\_\_\_ sq.ft. of roof and flashings x 1½ - 2 gallons\*  #220 or  #555 or  #869 Aluminum Coating = \_\_\_\_\_ gallons

5 Gallon Pail covers approximately \_\_\_\_\_\* ft.<sup>2</sup> \_\_\_\_\_ Pails @ \$\_\_\_\_\_/Pail = \$\_\_\_\_\_

55 Gallon Drum covered approximately \_\_\_\_\_\* ft.<sup>2</sup>. \_\_\_\_\_ 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<br>Gallons/100 sq.ft. | Square Feet<br>Per 5 Gallon Pail | Square Feet<br>Per 55 Gallon Drum |
|--|----------------------------------|-----------------------------------|
| 1 ½                                    | 330                              | 3665                              |
| 2                                      | 250                              | 2750                              |
| 2 ½                                    | 200                              | 2200                              |

| Application Rate<br>Gallons/100 sq.ft. | Square Feet<br>Per 5 Gallon Pail | Square Feet<br>Per 55 Gallon Drum |
|--|----------------------------------|-----------------------------------|
| 3                                      | 165                              | 1830                              |
| 3 ½                                    | 140                              | 1570                              |
| 6                                      | 80                               | 915                               |