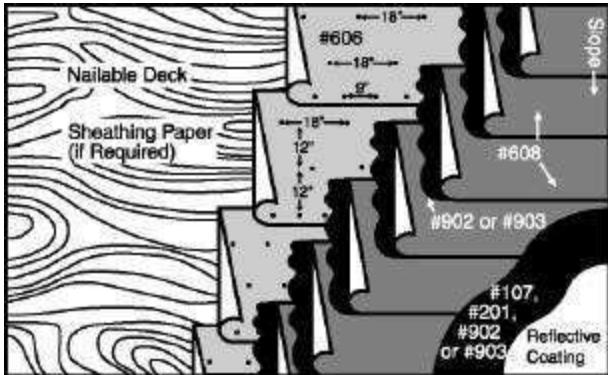


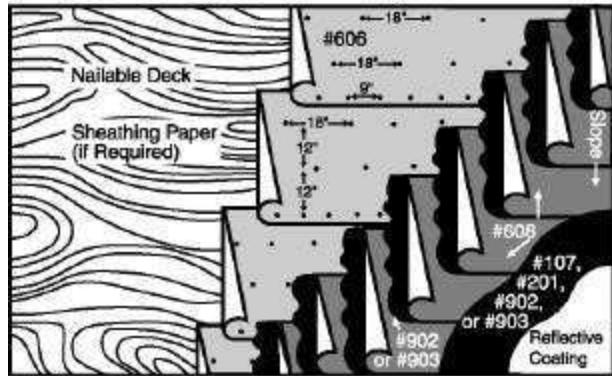


## SMOOTH SURFACE MODIFIED ROOFING SYSTEM OVER NAILABLE DECK

3-PLY



4-PLY



### GUIDE SPEC H3-NMC-CR

#### DESCRIPTION

- ☒ Cold applied modified built-up roof. Consists of mechanically attached #606 Modified Underlayment and 2 or 3 plies of #608 Modified Fiberglass Base Sheet adhered with Cold Adhesive. Membrane is surfaced with #902 or #903 allowed to cure 3 to 6 months and finished with Reflective Coating. Specification suitable for nailable deck without insulation.
- ☒ #280 White Elastomeric Roof Coating or #869 Elastomeric Aluminum Roof Coating Energy Star qualified.
- ☒ Roof warranties available. Consult with Henry Representative for requirements in your area.

### GUIDE SPEC H4-NMC-CR

gallons per 100 ft.<sup>2</sup> or



INSERT □ PART 1 □ GENERAL □ as part of this specification

#### PART 2 □ PRODUCTS

##### 2.01 ACCEPTABLE MANUFACTURERS

- A. Materials manufactured or supplied by Henry Company, 2911 Slauson Ave., Huntington Park, CA 90255. (323) 583-5000 or (800) 486-1278.

##### 2.02 PRODUCT DELIVERY

- A. Bulk delivery material shall be accompanied by a Henry Company bill of lading.

##### 2.03 MATERIALS

- A. Sheathing paper (wood decks only) -1 ply
- B. BASE PLY
  - 1. #606 Modified Underlayment, Inverted
- C. INTERPLY □ 2 or 3 layers
  - 1. #608 30# Modified Fiberglass Ply Sheet
- D. INTERPLY ADHESIVE & SURFACING
  - 1. #902 Permanent Bond Adhesive (Western U.S.)  
or
  - 2. #903 High Solids Adhesive (Eastern U.S.)

##### F. REFLECTIVE SURFACING

- 1. #229 Aluminum Emulsion - 1½ gallons per 100 ft.<sup>2</sup> or
- 2. #869 Elastomeric Aluminum Roof Coating- 1½ to 2 gallons per 100 ft.<sup>2</sup> or
- 3. #220 Fibered Aluminum Coating - 1½

- 4. #280 Premium White Elastomeric Coating □ 1 to 1¼ gallons per 100 ft.<sup>2</sup> over #291 Base Coat or

- 5. #299 Premium Elastomeric White Roof Coating - 1 to 1¼ gallons per 100 ft.<sup>2</sup> over #291 Base Coat.
- 6. #291 Premium Elastomeric Base Coat - 1 to 1¼ gallons per 100 ft.<sup>2</sup>

##### G. MISCELLANEOUS PRODUCTS

- 1. Primer
  - a. #104 Asphalt Primer or
  - b. #103 VOC Compliant Primer
- 2. #906 Plastic Cement
- 3. #209 ElastoMastic
- 4. ModifiedPlus NP180s/s SBS modified base flashing.
- 5. Ruftac □ 75 mil - SBS modified self-adhesive membrane
- 6. Reinforcing Glass □ Yellow
- 7. Walk pads
- 8. Approved mechanical fasteners

## **PART 3 □ APPLICATION**

### **3.01 GENERAL**

- A. Henry Company's General Requirements and Product Data are a part of this specification.
- B. (Include if reroofing) Do not remove any more roofing than can be replaced the same day.

### **3.02 EXAMINATION**

- A. Inspect deck and advise Owner's Representative of any corrections required before proceeding with roofing.

### **3.03 PREPARATION**

- A. Sweep or vacuum all surfaces prior to commencement of roofing. Allow surface to dry before proceeding.
- B. Cut base and ply sheets into appropriate lengths. Allow plies to flatten before application.

### **3.04 MEMBRANE APPLICATION**

- A. (Wood decks only.) Over roof deck install one layer of rosin sheathing paper. Lap each sheet 2□ and nail sufficiently to hold in place.
- B. BASE PLY Install #606 base granule side down with 2□ side laps and 4□ end laps. Apply the first sheet of base ply with a 12□ width and the remaining sheets full width. Nail base ply at side laps 9□ on center and 18□ on center, staggered in two rows 12□ from each edge.

#### **C. INTERPLIES (SELECT 1)**

1. TO COMPLETE 3-PLY ASSEMBLY: Over the base ply, apply two #608 Modified\_interply sheets set in a uniform application of [#902] or [#903] cold applied cement at a rate of 2 gallons per 100 ft.<sup>2</sup>. Apply the first sheet with an 18□ width then over that a full width piece. Install the remaining sheets full width overlapping preceding sheet 19□. On slopes greater than 1½:12, backnail interply sheets 2□ from top edge, 12□ on center. On slopes over 3□ in 12□, install interplies parallel to slope blindnailing 4□ end laps only, 6□ on center.
2. TO COMPLETE 4-PLY ASSEMBLY: Over the base ply, apply three #608 Modified\_interply sheets set in a uniform application of [#902] or [#903] cold applied cement at a rate of 2 gallons per 100 ft.<sup>2</sup>. Starting at the low point, apply a 12□ wide piece, then over

that, one 24□ wide, then over both, a full width piece. Install the remaining sheets full width overlapping preceding sheet 24-2/3□.

- D. Before the end of each day, roll the membrane with a weighted roller (75 lb. minimum). Provide water stops and seal all terminations.

### **3.05 FLASHINGS**

- A. Install Flashing Specification #180.

### **3.06 SURFACING**

- A. After adhesive has thoroughly cured (no solvent odor is evident and laps cannot be pulled apart), sweep or pressure blow dust and debris from the roof surface to provide a clean surface. Hose and/or scrub off with water any residue accumulation.
- B. Protect adjacent walls not scheduled for surfacing. Protect equipment, roof top units, etc. from overspray.
- C. Cover prepared surfaces in a uniform application of [#902] or [#903] cold applied adhesive at a rate not less than 4 gallons per 100 sq.ft.
- D. Spray base flashings and other designated surfaces with [#902] or [#903].

### **3.07 REFLECTIVE COATING**

- A. Allow surfacing to completely cure not less than 90 days. Clean the surface of dust and debris. Scrub out any pockets of residue.

- B. Water based coatings (#229, #280, #291, #299) require a base coat of #107 applied at rate of 3 gallons per 100 ft.<sup>2</sup>.

#### **C. SELECT ONE:**

1. Apply [#229 Aluminum Emulsion] or [#869 Elastomeric Aluminum Coating] or [#220 Fibered Aluminum Coating] at a rate not less than 1½ gallons /100 ft.<sup>2</sup> in one coat.
2. White Elastomeric Coating. Apply [#280] or [#299] White Elastomeric Roof Coating over a base coat of #291.
  - a. Apply #291 Premium Elastomeric Base Coat at a rate not less than one gallon/100 ft.<sup>2</sup> per coat.
  - b. Apply [#280] or [#299] White Elastomeric Roof Coating at a rate not less than one gallon/100 ft.<sup>2</sup> per coat.
  - c. Apply base and top coat the same day. Allow to dry thoroughly between coats. Schedule work so second coat can dry before nightfall. Apply second coat at right angles to first coat
- D. Any areas that peel must be redone before the project will be considered complete.