

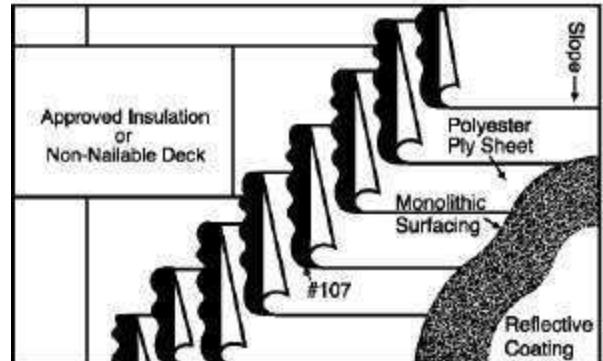


MONOLITHIC SURFACE POLYESTER ROOFING SYSTEM OVER INSULATION (OR NON-NAILABLE DECK)

DESCRIPTION

- ☒ Cold applied built-up roof. Consists of Fiberglass Base Sheet over Insulation or Non-Nailable Deck and 2 plies of Polyester Ply Sheets. Interplies adhered with Asphalt Emulsion. Membrane is surfaced with Asphalt Emulsion reinforced with Chopped Fiberglass and finished with Reflective Coating. Specification suitable over approved insulation and non-nailable deck.
- ☒ Complies with U.L. Class A up to 1/2 in 12 slope
- ☒ #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.

3-PLY



GUIDE SPEC H3-IPE-MR

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. BASE PLY

- 1. #605 80# Underlayment, Inverted (concrete decks) **or**
- 2. #604 25# Glass Base (over insulation) **or**
- 3. #608 30# Modified Glass Base (over insulation)

B. BASE PLY ADHESIVE

- 1. #902 Permanent Bond Adhesive (Western U.S.) **or**
- 2. #903 High Solids Adhesive (Eastern U.S.)

C. INTERPLY □ 2 layers

- 1. #196 Polyester

D. INTERPLY ADHESIVE 4 gallons per 100 ft.² /ply

- 1. #107 Asphalt Emulsion
- 2. #100 Elastomulsion

E. SURFACING 9 gallons with 3 lbs. glass/100 ft.²

- 1. #107 Asphalt Emulsion **or**
- 2. #100 Elastomulsion
- 3. **and** #189 Chopped Fiberglass

F. REFLECTIVE SURFACING

- 1. #229 Aluminum Emulsion - 1½ gallons per 100 ft.² **or**
- 2. #869 Elastomeric Aluminum Roof Coating- 1½ to 2 gallons per 100 ft.² **or**

- 3. #220 Fibered Aluminum Coating □ 1½ gallons per 100 ft.² **or**

- 4. #280 Premium White Elastomeric Coating- 1 to 1¼ gallons per 100 ft.² over #291 Base Coat **or**

- 5. #280DC Premium Elastomeric White Roof Coating - 1 to 1¼ gallons per 100 ft.² over #291 Base Coat.

- 6. #291 Premium Elastomeric Base Coat - 1 to 1¼ gallons per 100 ft.².

G. INSULATION (Edit as required)

- 1. (INSERT APPROVED INSULATION), R-Value _____.

- 2. Overlay board of ½□ minimum perlite, fiberboard or Henry ¼□Re-Cover board over Polyisocyanurate or EPS.

- 3. #111 INSUL-BOND cold adhesive

H. 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 sheets into appropriate lengths. Allow to flatten before application.

3.04 INSULATION (Edit as required)

- A. **GENERAL** Lay insulation in parallel courses. Stagger end joints in adjoining courses. Apply insulation flush to parapets and wood nailers.
- B. **COLD ADHESIVE ATTACHMENT**. Over roof surface set insulation in INSUL-BOND cold adhesive in accordance with manufacturer's requirements.
- C. **ALTERNATE □ MECHANICAL ATTACHMENT**. Mechanically attach insulation using a minimum of one fastener per 2.7 sq.ft. Install additional board, perimeter and corners fasteners if required to meet FM 1-90 wind up-lift.
- D. **SECOND LAYER**. Install second layer in #111 INSUL-BOND cold adhesive. Stagger joints with the layer below.
- E. Do not install any more insulation than can be roofed the same day.

3.05 BASE PLY

- A. **CONCRETE DECKS WITHOUT INSULATION** Apply #605 base ply, granule side down, with 2□ side laps and 4□ end laps. Apply the first sheet of base with a 12□ width and the remaining sheets full width. Adhere ply with 9□ diameter spot application of [#902] or [#903] 18□ on center, staggered in two rows 12□ from each edge.
- B. **OVER INSULATION** Apply [#604] or [#608] base ply in a uniform application of [#902] or [#903] at 2 gallons per 100 ft.². with 2□ side laps and 4□ end laps. Apply the first sheet of base with a 12□ width and the remaining sheets full width.

3.06 INTERPLIES

- A. Over the base sheet, apply a uniform layer of [#107] or [#100] asphalt emulsion using a brush or spray equipment at rate of 4 gallons/100 ft.². Immediately embed the fabric by rolling it into the wet emulsion without wrinkles. The fabric must be pressed into the emulsion by a soft push broom or paint roller. Apply the first sheet with an 18□ width then over that a full width sheet. Install the remaining sheets full width overlapping preceding sheet 21□ Endlaps to be 4□

The side and end laps must also be thoroughly coated with emulsion. Offset second and third ply end laps at least 12□ in all directions from first ply laps. Cut the fabric to fit snugly around pipes and projections. Extend plies to top of cant.

- B. Before the end of each day, provide waterstops and seal all terminations.

3.07 FLASHINGS

- A. Install Flashing Specification #180, #600 or #196.

3.08 SURFACING (Monolithic System)

- A. Protect adjacent walls not scheduled for emulsion and reflective coating. Protect equipment, roof top units, etc. from overspray.
- B. Cover prepared surfaces with [#107] or [#100] asphalt emulsion at rate of not less than 9 gallons/100 ft.² but sufficient quantity to achieve 72 dry mils. Evenly blend emulsion with ¾" Henry #189 Fiberglass Roving reinforcing sprayed with equipment approved by Henry Company. Tufting of the glass fibers is not acceptable.
- C. Spray emulsion in a pattern into laps of membrane so that when system is dry, there are no voids or bridging of glass over any seam of the membrane.
- D. Spray base flashings and other designated surfaces with the Monolithic□ System.

3.09 REFLECTIVE COATING

- A. Allow emulsion surfacing to cure. Clean the surface of dust and debris. Scrub out any pockets of residue.
- B. **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.² in one coat.
 2. White Elastomeric Coating: Apply [#280] or [#280DC] 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.². per coat.
 - b. Apply [#280] or [#280DC] White Elastomeric Roof Coating at a rate not less than one gallon/100 ft.² 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
 3. Any areas that peel must be redone before the project will be considered complete.