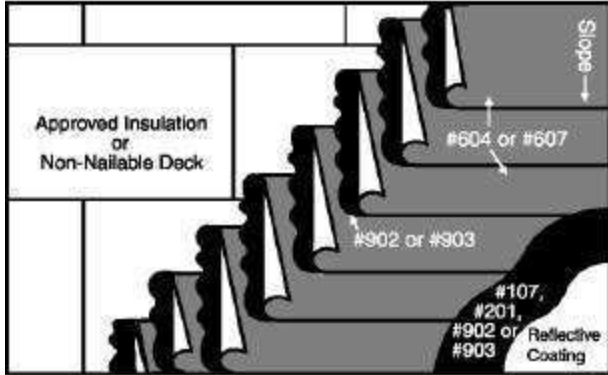




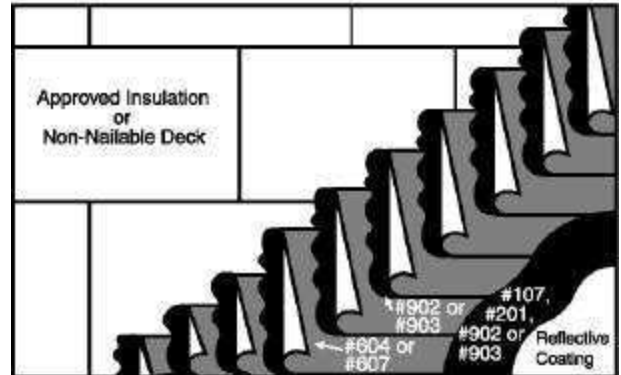
SMOOTH SURFACE FIBERGLASS ROOFING SYSTEM OVER INSULATION (OR NON-NAILABLE DECK)

3-PLY



GUIDE SPEC H3-IGC-CR

4-PLY



GUIDE SPEC H4-IGC-CR

DESCRIPTION

- ❖ ❖ Cold applied built-up roof consisting of insulation and 3 or 4 plies of Henry #604 or #607 Ply Sheet, or #605 Inverted Cap Sheet over Non-Nailable Deck and 2 or 3 plies of #604 or #607 Ply Sheets adhered with #902 or #903 Cold Adhesive. Membrane is surfaced with #902 or #903 allowed to cure 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



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 (concrete decks)
 1. #605 80# Underlayment, inverted
 - B. INTERPLY 2, 3, or 4 layers
 1. #604 25# Fiberglass Ply Sheet or
 2. #607 33# Fiberglass Base
 - C. INTERPLY ADHESIVE 2 gallons per 100 ft.²/ply
 1. #902 Permanent Bond Adhesive (Western U.S.) or
 2. #903 High Solids Adhesive (Eastern U.S.)
 - D. SURFACING
 1. #902 Permanent Bond Adhesive or
 2. #903 High Solids Adhesive
 - E. REFLECTIVE SURFACING
 1. #229 Aluminum Emulsion - 1½ gallons/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
 - F. INSULATION (Edit as required)
 1. INSERT APPROVED INSULATION, R-Value _____.
 2. Overlay board of ½ minimum perlite or fiberboard or Henry ¼ Re-Cover board over Polyisocyanurate or EPS.
 3. INSUL-BOND Cold adhesive.
 - F. 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.

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 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 corner fasteners if required to meet a specified FM wind up-lift rating.
- D. SECOND LAYER. Install second layer in INSUL-BOND. Stagger joints with the layer below.
- E. Over insulation install 3 or 4 plies in cold adhesive. Select from Paragraphs 3.06A2 or 3.06A3.05

3.05 BASE PLY – NON-NAILABLE DECKS WITHOUT INSULATION

- A. Install inverted #605 base granule side down with 2□ side laps and 4□ end laps. Apply the first sheet with a 12□width and the remaining sheets full width. Adhere ply with 9□ diameter spot application of cold applied adhesive 18□on center, staggered in two rows 12□ from each edge.
- B. Complete installation with 2 or 3 plies installed shingle fashion. See Paragraphs 3.06A1 or A2.

3.06 MEMBRANE APPLICATION

A. INTERPLIES (SELECT 1)

1. OVER BASE SHEET COMPLETE 3-PLY ASSEMBLY: Install two [#604 □ 25#] or [#607 □ 33#] interply sheets set in a uniform application of [#902] or [#903] cold applied adhesive at a rate of 2 gallons per 100 ft.². 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. OVER INSULATION 3-PLY ASSEMBLY or OVER BASE SHEET 4-PLY ASSEMBLY: Install three [#604 □ 25#] or [#607 □ 33#] interply sheets set in a uniform application of [#902] or [#903] cold applied adhesive at a rate of 2 gallons per 100 ft.². 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□.
3. OVER INSULATION 4-PLY ASSEMBLY: Install four [#604 □ 25#] or [#607 □ 33#] interply sheets set in a uniform application of [#902] or [#903] cold applied adhesive at a rate of 2 gallons per 100 ft.². Starting at the low point, apply a 9□wide piece, then over that, one 18□wide, then over that, one 27□wide. Over these 3 partial sheets, install a full width 36□piece. The following sheets are to be applied full width, overlapping preceding sheets by 27 ½ □

- B. Roll the membrane with a 75 lb. minimum roller.
- C. Provide waterstops 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 walls not scheduled for surfacing and equipment, roof 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 base coat of #107. Apply at 3 gallons/100 ft.².
- 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.² 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.². per coat.
 - b. Apply [#280] or [#299] 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
- D. Any areas that peel must be redone before the project will be considered complete