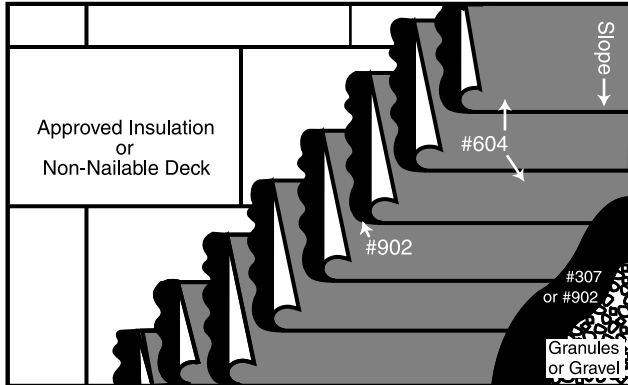
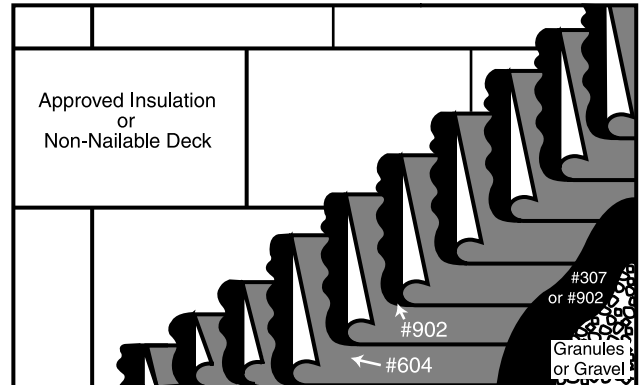


### 3-PLY



**GUIDE SPEC H3-IGC-GV-(GN)**

### 4-PLY



**GUIDE SPEC H4-IGC-GV-(GN)**

#### DESCRIPTION

- ◆ Consists of Insulation and 3 or 4 plies of Henry #604 or #607 Ply Sheets, or Base Sheet over Non-Nailable Deck and 2 or 3 plies of #604 or #607 Ply Sheets. Interplies adhered with #902 or #903 cold adhesive cement. Gravel (GV) or Granule (GN) surfacing is embedded in Fibered Asphalt Emulsion or #902 or #903 cold adhesive cement. Specification is suitable over approved insulation and non-nailable deck.
- ◆ Cold application
- ◆ 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.
- 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 (Select 1)
    1. #604 25# Fiberglass Ply Sheet (Standard)
    2. #607 33# Fiberglass Base (Heavy Duty)
  - C. INTERPLY ADHESIVE – 1½-2 gallons per square/ply (.6 - .8l/m<sup>2</sup>) (Select 1)
    1. #902 Permanent Bond Adhesive
    2. #903 High Solids Adhesive
  - D. SURFACING
    1. #307 Fibered Asphalt Emulsion with Gravel
    2. #903 High Solids Adhesive with #11 Granules
  - E. REFLECTIVE SURFACING FOR BASE FLASHINGS - 1½ gallons per square (.6l/m<sup>2</sup>) (Select 1)
    1. #229 Aluminum Emulsion
    2. #220 Fibered Aluminum

#### F. INSULATION (Edit as required)

1. (INSERT APPROVED INSULATION), R-Value \_\_\_\_\_
  2. Overlay board of ½" minimum perlite or fiberboard for Polyisocyanurate or EPS.
  3. INSUL-BOND® cold adhesive.
- #### G. MISCELLANEOUS PRODUCTS
1. Primer (Select 1)
    - a. #104 Asphalt Primer
    - b. #103 or #105 VOC Compliant Primer (S. CA.)
  2. #505 FlashMaster
  3. #600 Ruftac – 75 mil - SBS modified self-adhesive membrane
  4. #183 Reinforcing Glass – Yellow
  5. Walk pads
  6. 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 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. (.25m<sup>2</sup>). Install additional board, perimeter and corner fasteners if required to meet a I-90 FM wind up-lift rating.
- D. SECOND LAYER. Install second layer in INSUL-BOND cold adhesive. Stagger joints with the layer below.
- E. Do not install any more insulation than can be roofed the same day.
- F. Over insulation install 3 or 4 plies in cold adhesive. Select from Paragraphs 3.06A2 or A3.
- 3.05 BASE PLY – NON-NAILABLE DECKS WITHOUT INSULATION
- A. Install base ply with 2" (51mm) side laps and 4" (102mm) end laps. Apply the first sheet with a 12" (305mm) width and the remaining sheets full width. Adhere ply with 9" (229mm) diameter spot application of (INSERT SELECTED PRODUCT #) cold applied adhesive 18" (457mm) on center, staggered in two rows 12" (305mm) 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 2 (INSERT SELECTED PRODUCT #) interply sheets set in a uniform application of (INSERT SELECTED PRODUCT #) cold applied adhesive at a rate of 1-1/2 to 2 gallons per 100 sq.ft. (.6 - .8l/m<sup>2</sup>). Apply the first sheet with an 18" (457mm) width then over that a full width piece. Install the remaining sheets full width overlapping preceding sheet 19" (482mm). On slopes greater than 1½":12" (125mm/m), backnail interply sheets 2" (51mm) from top edge, 12" (305mm) on center. On slopes over 3" in 12" (250mm/m), install interplies parallel to slope blindnailing 4" (102mm) end laps only, 6" (152mm) on center.
2. OVER INSULATION 3-PLY ASSEMBLY or BASE SHEET 4-PLY ASSEMBLY Install 3 (INSERT SELECTED PRODUCT #) interply sheets set in a uniform application of (INSERT SELECTED PRODUCT #) cold applied cement at a rate of 1-1/2 to 2 gallons per 100 sq.ft. (.6 - .8l/m<sup>2</sup>). Starting at the low point, apply a 12" (457mm) wide piece, then over that, one 24" (610mm) wide, then over both, a full width piece. Install the remaining sheets full width overlapping preceding sheet 24-2/3" (699mm).
3. OVER INSULATION 4-PLY ASSEMBLY: Install (INSERT SELECTED PRODUCT #) interply sheets set in a uniform application of (INSERT SELECTED PRODUCT #) cold applied cement at a rate of 1-1/2 to 2 gallons per 100 sq.ft. (.6 - .8l/m<sup>2</sup>). Starting at the low point, apply a 9" (229mm) wide piece, then over that, one 18" (457mm) wide, then over that, one 27" (686mm) wide. Over these 3 partial sheets, install a full width 36" (914mm) piece. The following sheets are to be applied full width, overlapping the preceding sheets by 27-1/2" (699mm)
- B. Before the end of each day, roll the membrane with a 75 lb. (34kg) (minimum) weighted roller. Provide waterstops and seal all terminations.
- 3.07 FLASHINGS
- A. Install Flashing Specifications Numbers \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.
- 3.08 EMULSION EMBEDDING COAT & GRAVEL
- 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 emulsion and reflective coating. Protect equipment, roof top units, etc. from overspray.
- C. Apply a uniform coating of #307 Fibered Asphalt Emulsion at 6 gallons per 100 sq. ft. (2.4l/m<sup>2</sup>).
- D. Coat base flashing, parapet walls, vents, ducts, and designated roof equipment shall with emulsion.
- E. Into the wet emulsion, embed an acceptable gravel at a rate of 400 pounds per square (19.4kg/m<sup>2</sup>). Gravel must be installed so that there is complete coverage across the entire surface and at least 50% of the gravel is solidly adhered.
- 3.09 ALTERNATE: COLD-AP CEMENT & GRANULES
- 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. Apply a uniform coat of (INSERT SELECTED PRODUCT #) cold applied adhesive at a rate of 4 gallons per 100 sq. ft. (1.6l/m<sup>2</sup>).
- D. Follow same procedure to coat base flashings and parapet walls.
- E. Immediately embed granules at a rate of 60-100 pounds per square (2.9 – 4.8kg/m<sup>2</sup>). Granules must be installed so that there is complete coverage across the entire surface.
- 3.10 REFLECTIVE COATING FOR BASE FLASHINGS
- A. As soon as flashing surfacing has cured, clean the surface of dust and debris.
- B. Apply (INSERT SELECTED PRODUCT #) Aluminum Coating at the rate of 1½ gallons per 100 square feet (.6l/m<sup>2</sup>) in one coat.