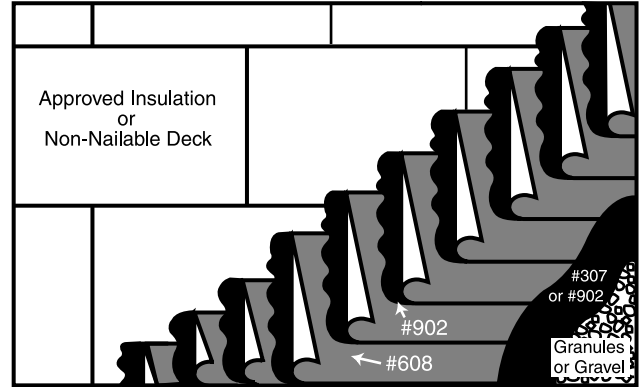


3-PLY



4-PLY



GUIDE SPEC H3-IMC-GV(GN)

GUIDE SPEC H4-IMC-GV(GN)

DESCRIPTION

- ◆ Consists of Insulation and 3 or 4 plies of Henry #608 Modified Ply Sheet, or #606 Modified Base Sheet over Non-Nailable Deck and 2 or 3 plies of #608 Ply Sheets. Interplies adhered with Cold Adhesive. Gravel (GV) or Granule (GN) surfacing is embedded in Fibered Asphalt Emulsion or Cold Adhesive. Specification 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. #606 Modified Underlayment, inverted
- B. INTERPLY – 2, 3 or 4 layers
 1. #608 30# Modified Fiberglass Ply Sheet
- C. INTERPLY ADHESIVE – 1½ -2 gallons per square/ply (.4-.6l/m²) (Select 1)
 1. #902 Permanent Bond Adhesive
 2. #903 High Solids Adhesive
 3. #201 Fibered Asphalt Roof Coating
- D. SURFACING:
 1. #307 Fibered Asphalt Emulsion with gravel
 2. #903 High Solids Adhesive with #11 granules
- E. REFLECTIVE SURFACING - BASE FLASHINGS (Select 1)
 1. #229 Aluminum Emulsion - 1½ gallons/square (.6l/m²)
 2. #220 Fibered Aluminum - 1½ gallons/square (.6l/m²)
- 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 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.
- 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. (.25m²). Install additional board, perimeter and corner fasteners if required to meet a 1-90 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 Paragraphs 3.06A2 or 3.063.
- 3.05 BASE PLY – CONCRETE DECK 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 interplies installed shingle fashion. Select from Paragraphs 3.06A1 or 3.06A2.
- 3.06 MEMBRANE APPLICATION
- A. INTERPLIES (SELECT 1)
1. OVER BASE SHEET COMPLETE 3-PLY ASSEMBLY Install 2 #608 interply sheets set in a uniform application of *(INSERT SELECTED PRODUCT #)* cold applied adhesive at a rate of 1 to 1-1/2 gallons per 100 sq.ft. (.4-.6l/m²). 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 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 #608 interply sheets set in a uniform application of *(INSERT SELECTED PRODUCT #)* cold applied cement at a rate of 1 to 1-1/2 gallons per 100 sq.ft. (.4-.6l/m²). 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 4 #608 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. (.4-.6l/m²). 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 walls not scheduled for surfacing. Protect equipment, roof top units, etc. from overspray.
- C. Apply a uniform coating of #307 Fibered Asphalt Emulsion at a rate of not less than 6 gallons per 100 sq. ft. (2.4l/m²).
- D. Base flashing, parapet walls, vents, ducts, and designated roof equipment shall also be coated with emulsion.
- E. Into the wet emulsion, embed an acceptable gravel at a rate of 400 pounds per square (19.4kg/m²). 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 surfacing. Protect, roof top units, etc. from overspray.
- C. Apply a uniform coating of *(INSERT SELECTED PRODUCT #)* cold applied adhesive at a rate of 5 gallons per 100 sq. ft. (1.6l/m²).
- 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/m²). Granules must be installed so that there is complete coverage across the entire surface.
- 3.10 REFLECTIVE COATING
- 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/m²) in one coat.