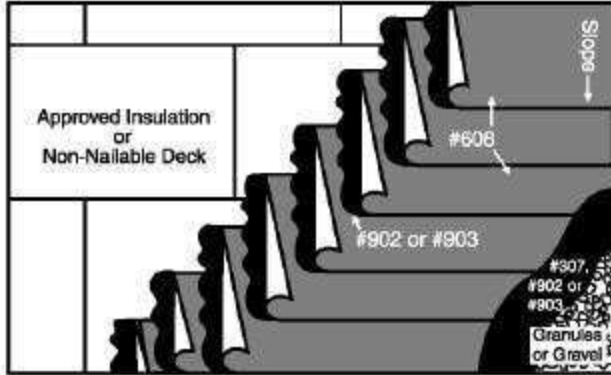


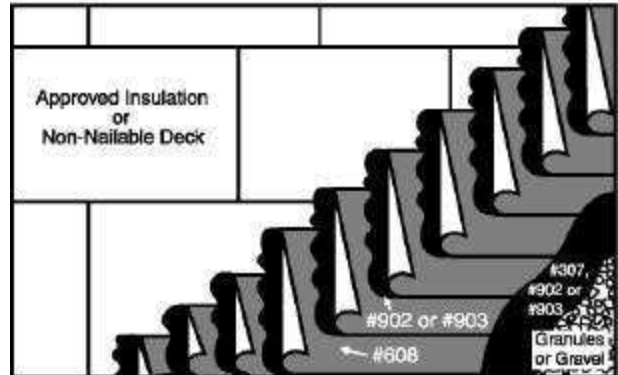


GRAVEL (OR GRANULE) SURFACED MODIFIED ROOFING SYSTEM OVER INSULATION (OR NON-NAILABLE DECK)

3-PLY



4-PLY



GUIDE SPEC H3-IMC-GV(GN)

GUIDE SPEC H4-IMC-GV(GN)

DESCRIPTION

Cold applied modified built-up roof. Consists of Insulation and 3 or 4 plies of Henry #608 Ply Sheets, or #606 Base Sheet over Non-Nailable Deck and 2 or 3 plies of #608 Ply Sheets. Interplies adhered with #902 or #903 cold adhesive. Granule (GN) surfacing is embedded in #307 Fibered Asphalt Emulsion or #100 Elastomulsion or #902 or #903 cold adhesive cement. Gravel (GV) can be embedded in #902 or #903. Specification is suitable over approved insulation and non-nailable deck.

Roof warranties available. Consult with Henry Representative for requirements in your area.

Complies with U.L. Class A up to 3 in 12 slope.

- 5. Gravel ASTM D1863 or
- 6. Granules #11

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. #606 Modified Underlayment, inverted
- B. INTERPLY 2, 3 or 4 layers
 - 1. #608 30# Modified Fiberglass Ply Sheet
- C. INTERPLY ADHESIVE 2 gallons per square/ply
 - 1. #902 Permanent Bond Adhesive (Western U.S.) or
 - 2. #903 High Solids Adhesive (Eastern U.S.) or
- D. SURFACING
 - 1. #307 Fibered Emulsion w/Granules or
 - 2. #100- Elastomulsion w/Granules or
 - 3. #902 Permanent Bond Adhesive w/Gravel or Granules or
 - 4. #903 High Solids Adhesive w/Gravel or Granules

- E. REFLECTIVE SURFACING FOR BASE FLASHINGS - 1½ gallons per 100 ft.²
 - 1. #229 Aluminum Emulsion or
 - 2. #869 Elastomeric Aluminum Coating- or
 - 3. #220 Fibered Aluminum Roof Coating
- 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.
- 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.
- 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 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 A3.

3.05 BASE PLY □ NON-NAILABLE DECK WITHOUT INSULATION

- A. Install inverted #606 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 #608 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 #608 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 #608 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 the preceding sheets by 27-1/2□

- B. Roll the membrane with a 75 lb. minimum roller.
- C. Provide waterstops and seal all terminations.

3.07 FLASHINGS

- A. Install Flashing Specifications Numbers #180.

3.08 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 and reflective coating. Protect equipment, roof top units, etc. from overspray.

3.09 EMBEDDING COAT & GRANULES

- A. EMULSION: Apply a uniform coating of [#307] or [#100] at 5 gallons per 100 ft.² Coat base flashing, parapet walls
- B. ALTERNATE: COLD ADHESIVE & GRANULES Apply a uniform coat of [#902] or [#903] cold adhesive at a rate of 4 gallons per 100 ft.².
- C. Immediately embed granules at a rate of 60-100 pounds per square Granules must be installed so that there is complete coverage across the entire surface.

3.09 ALTERNATE: COLD-AP CEMENT & GRAVEL

- A. Apply a uniform coat of [#902] or [#903] cold applied adhesive at a rate of 6 gallons per 100 ft.²
 - B. Immediately embed dry and clean gravel at a rate of 400 pounds per square. Gravel must be installed so that there is complete coverage across the entire surface and at least 50% of the gravel is solidly adhered.
- 3.10 REFLECTIVE COATING FOR BASE FLASHINGS
- A. As soon as flashing surfacing has cured, clean the surface of dust and debris.
 - B. SELECT ONE: 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.