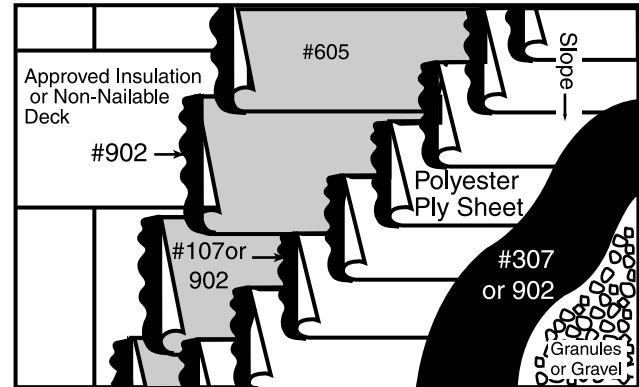


3-PLY



DESCRIPTION

- ◆ Consists of Fiberglass Base sheet over Insulation or over Non-Nailable Cold Adhesive.. Membrane is surfaced with Gravel (GV) or Granules (GN) 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

GUIDE SPEC H3-IPC-GV(GN)

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
1. #607 33# Fiberglass Base (over insulation)
 2. #605 80# Underlayment, inverted (over Concrete)
- B. BASE PLY ADHESIVE
1. #903 High Solids Adhesive
 2. #902 Permanent Bond Adhesive
- C. INTERPLY – 2 layers
1. #196 Polyester
- D. INTERPLY ADHESIVE – 3 gallons/square/ply (Select 1)
1. #902 Permanent Bond Adhesive
 2. #903 High Solids Adhesive
 3. #107 Asphalt Emulsion – 4 gallons/ square/ply
- E. SURFACING
1. #307 Fibered Asphalt Emulsion with Gravel - 6 gallons/square (2.4l/m²)
 2. #902 Permanent Bond Adhesive #903 High Solids Adhesive with #11 Granules
- F. BASE FLASHING REFLECTIVE SURFACING 1½ gallons/square (.6l/m²) (Select 1)
1. #220 Fibered Aluminum Coating
 2. #229 Aluminum Emulsion
- G. 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.
- H. MISCELLANEOUS PRODUCTS
1. Primer (Select 1)
 - a. 104 Asphalt Primer
 - b. #103 VOC Compliant Primer (S. CA)
 2. #504 Plastic Cement
 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 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 corners fasteners, if required to meet FM 190 wind up-lift.
 - 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. Complete installation with 2 or 3 interplies installed shingle fashion.
- 3.05 BASE PLY
- A. CONCRETE DECKS WITHOUT INSULATION Apply #605 base ply, granule side down, with 2" (51mm) side laps and 4" (102mm) end laps. Apply the first sheet of underlayment with a 12" (305mm) width and the remaining sheets full width. Adhere ply with 9" (229mm) diameter spot application of (INSERT SELECTED PRODUCT #) Cold Adhesive 18" (457mm) on center, staggered in two rows 12" (305mm) from each edge.
 - B. OVER INSULATION Apply #607 fiberglass base ply in a uniform application of (INSERT SELECTED PRODUCT #) Cold Adhesive at 1-½ to 2 gallons per 100 sq.ft. (.6 - .8l/m²) with 2" (51mm) side laps and 4" (102mm) end laps. Apply the first sheet of base with a 12" (305mm) width and the remaining sheets full width.
- 3.06 INTERPLIES
- A. Over the base sheet, apply a uniform layer of (INSERT PRODUCT #) using a brush or roofing spray equipment at the rate of 3 gallons per 100 sq. ft. (4 gallons for #107 Asphalt Emulsion). Immediately embed the fabric by rolling it into the wet adhesive without wrinkles. The fabric must be pressed into the adhesive by a soft push broom or paint roller. Apply the first sheet with an 18" (457mm) width then over that a full width sheet. Install the remaining sheets full width overlapping preceeding sheet 21" (534mm). Endlaps to be 4" (102mm). The side and end laps must also be thoroughly coated. Offset second and third ply end laps at least 12" (305mm) 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 Specifications Number(s) _____, _____, _____.
- 3.08 EMBEDDING COAT & BALLAST
- A. GENERAL
 1. After adhesive has thoroughly cured (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.
 2. Protect walls not scheduled for surfacing. Protect equipment, roof top units, etc. from overspray.
 - B. GRAVEL SURFACED
 1. 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) over entire roof surface, base flashings and other designated areas.
 2. ALTERNATE: Apply a uniform coating of (INSERT SELECTED PRODUCT #) Cold Adhesive at a rate of not less than 5 gallons per 100 sq. ft.
 3. Into the wet emulsion or cold adhesive, embed an approved 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.
 - C. ALTERNATE: COLD-AP CEMENT & GRANULES
 1. Apply a uniform coating of (INSERT SELECTED PRODUCT #) Cold Adhesive at a rate of not less than 4 gallons per 100 sq. ft.
 2. Follow same procedure to coat base flashings and parapet walls.
 3. Immediately embed granules at a rate of 60-100 pounds per square (19.4kg/m²). Granules must be installed so that there is complete coverage across the entire surface.
- 3.09 REFLECTIVE COATING – BASE FLASHINGS
- A. As soon as flashing surfacing has cured (tack-free and black), 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.