



Last Rev Date: 10/18/2013

**Physical Properties**

<b>Appearance</b> Black liquid	<b>Consistency @ 77° F</b> Spray grade	<b>Maximum VOS</b> 2.08 lbs/gal
<b>Asphalt By Weight</b> 52% min.	<b>Flash Point</b> 105°F (ASTM D-93)	<b>Solids By Weight</b> 75% (ASTM D-4479)
<b>Base</b> Selected asphalts	<b>Lap Peel Strength</b> 48.9 lbf/in. min. (ASTM D-3019)	<b>Specific Gravity @ 77° F (25°C)</b> 1.08
<b>Color</b> Black	<b>Maximum VOC</b> 250 g/l (ASTM D-3960)	<b>Weight Per Gallon</b> 9.0-9.2 lbs (ASTM D-1475)

**Approvals and Certifications**

Manufactured to meet the requirements of ASTM D-3019, Type III, Grade I and Dade County Compliant.

UL listed for Class A and B fire rated roof coverings.

FM approved. Subject to the conditions of approval as a roof coating when intalled as described in the current edition of the FMRC approval guide.

Consult Henry Representative for specific assembly ratings and requirements.

See Henry Specification Manual for detailed Roofing, Reroofing, and Roof Maintenance & Restoration.



**Description**

**HE902 - PERMANENT BOND ADHESIVE** is a premium, modified, and rubberized, Cold-AP® waterproof roofing adhesive. It is squeegee or spray grade, and is made from asphalt and solvents formulated to bond layers of asphalt coated base sheets in built-up roofing applications. As a replacement for hot asphalt in BUR, **HE902 - PERMANENT BOND ADHESIVE** provides the following benefits:

- **SAFE** - Eliminates burn and fire hazards of hot asphalt
- **STRONG** - Greater cohesive strength for a reliable roof
- **FLEXIBLE** - Greater cold weather flexibility than hot asphalt
- **EFFICIENT** - Cold-Ap® requires less labor than hot asphalt
- **APPROVED** - U.L. Class A in a variety of roof systems

**Usage**

Use for BUR, bonding asphalt coated fiberglass base sheets, modified base and cap sheets, polyester, conventional mineral surfaced cap sheets and bonding gravel or granule surfacing.

## Coverage

Apply uniformly between layers of roofing at the rate of 1 1/2 to 2 gallons per 100 sq. ft. DO NOT OVER APPLY. For spot application of the first layer to smooth, non-nailable surfaces, use 1 gallon per 100 square feet. For bonding gravel use 5 gallons per 100 square feet.

## Surface Preparation

All surfaces to be coated must be clean, dry, smooth and even. Surface must be free from oil, grease, rust, scale, loose paint, dirt, and all foreign matter that would interfere with a good bond. NOTE: A roof membrane in poor condition, moisture in the existing roof or local building codes may require tearoff of an old roof.

## Application

Stir adhesive to uniform consistency before using. Do not thin. It is suitable for spray application with most roof coating pumps and spray guns - air-atomized or airless type. The pump must be able to deliver at least 800 to 1000 psi at the spray gun tip. The tip must be .100 size with 80° fan "ten eighty" tip. The hose diameter must be at least 3/4" I.D., with the last 50' being 1/2" I.D. For hose lengths longer than 200', 1" I.D. is recommended. The product must be at least 70°F (21°C) at the tip for spray applications. Apply adhesive evenly and uniformly with full coverage between each layer. After adhesive is placed, a few minutes of "open time" will accelerate curing time. Roofing may usually be placed up to 1/2 hour after adhesive has been applied. While adhesive is tacky, press roofing into adhesive by brooming. Roll seams with a weighted roller several hours later. Adhesion is improved by brushing underside of sheets at laps and walls with a thin film of adhesive. Remove excess adhesive from exposed surfaces. On walls, apply adhesive to both surfaces and allow approximately 1/2 hour open time. On slopes over 1" in 12", blind nail 2nd and 3rd layer 1" down from upper edge every 12".

**Top Coating:** Allow one week of warm, dry weather before surfacing BUR with emulsion and a reflective coating.

**Built-Up Roofing:** BUR is a demanding and exacting job for the roofing professional - it is not recommended for the Do-It-Yourselfer. As it is impossible to cover all the details of built-up roofing here, follow the directions of the roofing material manufacturer and follow NRCA guidelines for details and terminations.

## Precautions

Not all APP torch down membranes are alike, and as such, application with APP membranes may not yield satisfactory results. Please contact the Henry Technical Service Department and the APP membrane manufacturer before proceeding. DO NOT USE with #15 or #30 saturated felts. DO NOT USE with solvent sensitive insulation, rubber or PVC sheet roofing. Do not heat container except with a belt-type electric pail or drum heater limited by thermostat so as not to exceed 80°F (27°C). Weather should be at least 65°F (18°C), dry and clear, with no threat of rain for 48 hours. CLOSE AIR INTAKES ON ROOF UNTIL SOLVENTS DISSIPATE! Do not store at temperatures greater than 110°F (43°C). When transporting this product, be sure the pail is secured and the lid is tight. Do not allow pail to tumble, as this may loosen the lid and allow leakage to occur. Do not use this product as a coating, or to attempt to seal gravel, rubber, or PVC sheet roofing, or shingles of any kind.

NOTE: Asphalt-based coatings form a water soluble residue as they weather. In areas without regular rainfall, the roof should be hosed off occasionally to prevent build up and discoloration (removable with soap and water). Areas that pond water may accumulate more asphalt residue.

## Cleanup

Clean tools with **Henry Scrubbers™ Hand & Tool Cleaning Towels** or kerosene, paint thinner or mineral spirits. Clean hands with **Henry Scrubbers™** or with waterless hand cleaner.

## Caution

**WARNING! COMBUSTIBLE!** Contains petroleum distillate. Keep away from heat and flame. Do not heat container or store at temperatures greater than 110° F (43°C). **CLOSE AIR INTAKES** on roof until solvents dissipate. Contains volatile solvents that might contaminate potable water. Close container after use. **DANGER! HARMFUL OR FATAL IF SWALLOWED!** If **swallowed**, do not induce vomiting. CALL A PHYSICIAN IMMEDIATELY! Use protective measures to avoid contact with eyes and skin. **In case of eye contact**, open eyelids wide and flush immediately with plenty of water for at least 15 minutes. **In case of accidental injection** by spray equipment, GET MEDICAL ATTENTION IMMEDIATELY! **USE ONLY WITH ADEQUATE VENTILATION!** Avoid breathing of vapor. If you experience eye watering, headaches, or dizziness, leave area immediately or increase fresh air or wear respiratory protection (**NIOSH/MSHA TC 23C** or equivalent). Repeated and prolonged occupational overexposure to solvent vapor may cause permanent brain and nervous system damage, and may cause liver or kidney damage.

**FOR EXTERIOR USE ONLY.**

**KEEP OUT OF REACH OF CHILDREN!**

**WARNING:** This product contains detectable amounts of chemicals known to the State of California to cause cancer, and/or birth defects, or other reproductive harm.

**Employers** should obtain a copy of the **Material Safety Data Sheet (MSDS)** from your supplier or directly from Henry at the toll free number or website below.

## Product Sizes

BULK (GALLONS) (10 lb)

5 GALLON (47 lb)

55 GAL/205 L (513.7 lb)

## Limited Warranty

We, the manufacturer, warrant only that this product is free of defects, since many factors which affect the results obtained from this product - such as weather, workmanship, equipment utilized and prior condition of the substrate - are all beyond our control. We will replace at no charge any product proved to be defective within 12 months of purchase, provided it has been applied in accordance with our written directions for uses we recommended as suitable for this product. Proof of purchase must be provided. **DISCLAIMER OF WARRANTIES AND LIMITATION OF LIABILITY: THIS LIMITED WARRANTY IS IN LIEU OF ANY OTHER WARRANTIES EXPRESS OR IMPLIED INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FOR A PARTICULAR PURPOSE. MANUFACTURER SHALL HAVE NO LIABILITY OF ANY KIND BEYOND PRODUCT REPLACEMENT, INCLUDING FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES RESULTING FROM ANY DEFECTS OR ANY DELAYS CAUSED BY REPLACEMENT OR OTHERWISE. THIS LIMITED WARRANTY PROVIDES THE PURCHASER'S EXCLUSIVE REMEDY FOR ANY DEFECT IN THE PRODUCT.**