



Last Rev Date: 04/04/2014

Physical Properties

Appearance Black fibrous	Freezability Will not freeze	Solids By Weight 78% +/- 2% (ASTM D-4479)
Asphalt By Weight 45% (ASTM D-4479)	Lap Peel Strength 30 lbf/in. min. (ASTM D-3019)	Specific Gravity @ 77° F (25°C) 1.2
Base Selected asphalts	Maximum VOC 250 g/l	Stormer Viscosity 60 - 80 (ASTM D-4479)
Flash Point 105° F (ASTM D-3278)	Maximum VOS 2.08 lbs/gal	Weight Per Gallon 9.9 -10.4 (ASTM D-1475)

Approvals and Certifications

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

FM approved. Subject to the conditions of approval as a roof coating when installed 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

HE903 - MODIFIED BITUMEN MEMBRANE ADHESIVE - HIGH SOLIDS is a premium, modified and rubberized, cold process, waterproofing roofing adhesive which contains low solvent content compared with conventional cold adhesives. This high solids fibered formulation is modified with SBS rubber polymer resulting in a high strength bond when used to adhere SBS modified bitumen membranes and other asphalt based roofing sheets. It exhibits excellent low temperature flexibility and lap strength adhesion properties. It does not require red label solvent identification. It reduces the possibility of solvent vapor entrapment, thereby eliminating the potential of membrane softening or damage. It is UL and FM classified in a variety of SBS modified bitumen and cold process roofing assemblies.

Features:

- Adheres and waterproofs mod bit membranes and other asphalt based roofing sheets
- Fibered and rubberized for high strength adhesion
- Excellent low temperature flexibility and low solvent content
- Cold-applied, replaces hot asphalt
- Spray or squeegee

Usage

Mod Bit horizontal applications of coated fiberglass base sheets, polyester fabric, organic base sheets, SBS modified bitumen membranes and aggregate top surfacing.

Surface Preparation

All surfaces to be coated must be dry, clean, and free from oil, grease, rust, scale, loose paint, and dirt. For best adhesion over worn or previously coated surfaces, an application of **Henry #910 Asphalt Primer** is recommended.

Application

MODIFIED BITUMEN: Stir in container and apply by notched squeegee or commercial grade spray equipment. A notched squeegee with notches 1/4" long, 1/8" deep, spaced on 1" centers, is preferred for smooth surfaces. For irregular surfaces, the notch should be 1/4" deep. Average application rate over a smooth surface is 1.5 gal/100 sq. feet. Over porous substrates, the coverage rate will increase to approx. 2 gal/100 sq. feet. **DO NOT OVER APPLY.** Sufficient adhesive should be applied at laps to result in a visible bead of adhesive at completed lap edge. SBS modified bitumen membranes should be cut in maximum 18 foot lengths and membrane allowed to relax on job site. For best results, it is recommended that the end and side laps be rolled with a weighted roller immediately after installation.

NOTE: For best results, use **Henry #906 FlashMaster™ Plus Wet or Dry Flashing Cement** or **#209 Extreme Wet Patch® Roof Leak Repair** for SBS vertical wall flashing details.

COLD PROCESS ASSEMBLIES: Apply uniformly between layers of roofing plies at the rate of 2 to 3 gallons per 100 sq. ft. **DO NOT OVER APPLY.** For spot application of the first layer to smooth, non-nailable surfaces, adhere with 9 inch diameter spot application 18 inches o.c. staggered in two rows. For bonding gravel, use 6 gallons per 100 sq. ft.

Precautions

Adhesive does not freeze. Cold weather will cause it to stiffen. Store unopened container in a warm area at least 24 hours before using. Do not thin. **Do not use with modified bitumen membranes with polyethylene backing.** For use with modified bitumen membranes that are sand backed or do not contain polyethylene or film surfacing. Contact the membrane manufacturer for additional information. 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. When transporting this product, make sure the pail is secured and the lid is tight to prevent spills. **CLOSE AIR INTAKES ON ROOF UNTIL SOLVENTS DISSIPATE!** 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 until solvents dissipate. Contains volatile solvents that might contaminate potable water. Close container after each use. Dispose of container and unused contents in accordance with Local, State and Federal regulations. **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 power 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 equal). Repeated and prolonged occupational overexposure to solvent vapor may cause permanent brain and nervous system damage, and may cause liver or kidney damage.

KEEP OUT OF REACH OF CHILDREN.

FOR EXTERNAL USE ONLY.

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 GAL/18.93 L (53 lb)

55 GAL/205 L (527.5 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 FITNESS 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.** This limited warranty is in addition to and supplemented by the product warranty located on our website at: www.henry.com/warranty which also applies to this product.