

Distributed by: **BEST MATERIALS LLC**
Ph: 800-474-7570, 602-272-8128 Fax: 602-272-8014
www.BestMaterials.com Email: Sales@BestMaterials.com

Last Rev Date: 05/26/2010



Physical Properties

Appearance Black liquid	Consistency @ 77° F Thixotropic liquid	Maximum VOS 0 calculated
Application Temperature 50° F and rising	Flammability Non-flammable when wet	Solids By Volume 40 - 50%
Base Asphalt, bentonite clay emulsion	Flash Point >212° F	Solids By Weight 47 - 53% (ASTM D-2939)
Brookfield Viscosity 8000-15,000 cPs (ASTM D-2196)	Freezability Keep from freezing	Weight Per Gallon 8.5 - 9.1 lbs/gal
Color Black	Maximum VOC 0 calculated	

Approvals and Certifications

Manufactured to exceed the requirements of ASTM D-1227-95, Type III, Class I, 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 installed as described in the current edition of the FMRC approval guide.

Consult Henry Representative for specific assembly ratings and requirements. (800) 486-1278

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



Description

HE107 - ASPHALT EMULSION is a premium, versatile coating for the protection of roofing materials, metal, and masonry surfaces. Solvent free, it is made from asphalt emulsified with bentonite clay and water. **HE107 - ASPHALT EMULSION** is cold-applied, non-flammable while wet, corrosion-resistant, and waterproof when dry. **HE107 - ASPHALT EMULSION** does not crack, "alligator," run, or sag under extreme weather conditions. Resists most corrosive fumes and spray.

Usage

- As a protective coating for new or existing composition roofs with smooth (not graveled) surfaces.
- As a base coat for reflective coatings.
- In the **Henry Monolithic™ System** with chopped glass reinforcement for roofing and waterproofing. Specifications are available upon request.
- As a waterproofing adhesive for polyester systems. Specifications are available upon request.
- Dampproofing exterior below-grade foundations and walls.
- Anti-corrosive protection for metal roofs, steel structures, pipes, and tanks above or below ground level. **HE107 - ASPHALT EMULSION** has not been tested or approved by the NSF for contact with potable water.
- Protective lining for planters and septic tanks.

Coverage

Coverage per 100 square feet.

- Maintenance surfacing-----3 gallons
- **MONOLITHIC™** surfacing-----9 gallons w/3# chopped glass

- Embedment coating w/polyester----4 gallons

Surface Preparation

Carefully inspect area to be coated, including around pipes, chimneys, equipment, roof edges, and walls. Repair all cracks, breaks, splits, and holes by embedding # 195 or #196 Polyester Fabric or # 181 or # 183 Glass Fabric between 2 heavy coats of Henry # 204® Plastic Roof Cement, or # 209 Elastomastic® applied over and at least 2 inches beyond repair. After sealing leaks with # 204 allow to cure for 30 days. **Note: HE107 - ASPHALT EMULSION** is not designed to seal leaks!

Surface must be clean and in good repair. Remove rust by wire brushing. Sweep or hose down area to remove all dust, dirt, and residues. Scrub areas where water ponds with detergent and water, and rinse well. A tighter bond will result if surface is damp when coating is applied, but it must be free of standing water. Stir thoroughly--**HE107 - ASPHALT EMULSION** is thixotropic and comes to the right consistency for application when stirred. Prime concrete and masonry with **HE107** thinned by stirring in 20% water or if applying to a hard-to-clean surface such as a built-up roof from which the gravel has been removed.

Application

Apply emulsion by roofing brush or spray. Uniformly cover the surface at the rate of 3-4 gallons per 100 square feet per application. For additional protection, apply a 2nd coat at the same rate as soon as the first coat is thoroughly dry and firm enough to take foot traffic without damage. Brush the second coat at right angles to the first. Apply a reflective coating as soon as the top coat has completely cured.

MAINTENANCE SYSTEM: To renew smooth-surface roofs, reinforce valleys, and seal flashings, apply a base coat of **HE107 - ASPHALT EMULSION** at 3-4 gallons per 100 square feet. Embed a layer of polyester fabric without wrinkles or buckles into the wet base coat as reinforcement and "broom in" immediately. When dry enough to take foot traffic, apply a 2nd coat of **HE107 - ASPHALT EMULSION** at 3-4 gallons per 100 square feet. Top with a reflective coating as soon as the emulsion has completely cured.

DRYING: Usually occurs in 6-24 hours in hot and dry weather conditions. Drying will be slower, 2 to 7 days, in cool, damp weather. Allow to dry completely between coats. **Coating becomes waterproof only after drying thoroughly.**

MONOLITHIC™: Cover prepared surfaces with not less than 9 gallons per 100 square feet of **HE107 - ASPHALT EMULSION** evenly blended with 3 lbs per 100 square feet of 3/4" of # 189 Fiberglass Roving sprayed with equipment approved by Henry Company. Finish to be 72 mils dry.

Dampproofing of Exterior Surfaces Below Grade - Dense Surfaces: For dense concrete surfaces not subject to hydrostatic pressure, a single coat of **HE107 - ASPHALT EMULSION**, approximately 1/16" in thickness is generally adequate. If applying by spray or for severe conditions, two coats are preferable. Apply each coat at 2 to 3 gallons per 100 square feet, allowing first coat to dry before applying second coat. Fill in all crevices and grooves, making sure coating is continuous and free from breaks and pinholes. Carry coating over exposed top and outside edge of footing. Spread around all joints, grooves, and slots and into all chases, corners, reveals, and soffits. Bring the coating to finished grade.

Dampproofing of Exterior Surfaces Below Grade - Porous Surfaces: For dampproofing of porous surfaces such as concrete block, 3 alternate techniques are equally effective; base your selection upon local preference and the availability of equipment.

A) Two Coat System: Apply a base coat of **HE107 - ASPHALT EMULSION**, cut 20% by volume with clean water, over entire prepared surface. Apply base coat at a rate of 1.5 gallons per 100 square feet. Allow base coat to dry tacky to touch and apply 1 coat of **HE107 - ASPHALT EMULSION** as described under Dense Surfaces. Allow to set 24 to 48 hours before backfilling as described previously.

B) Membrane System: For severe conditions or added protection, apply a base coat followed by a coat of **HE107 - ASPHALT EMULSION** as described above. Within 2 hours, apply **Henry # 183 Glass Fabric** membrane over all surfaces of coating, overlapping edges at least 3" to 4". Embed glass fabric into coating without wrinkles or buckles. Within 24 hours apply an additional coat of **HE107 - ASPHALT EMULSION**; allow to set at least 24 to 48 hours and backfill as previously described.

C) Parge Coat System: Apply a parge coat of cement mortar to the block wall, carrying the parge coat from the bottom of the footings to grade level and forming a cove at the junction of the wall and footing. Allow to cure. Apply 1 to 2 coats of **HE107 - ASPHALT EMULSION** as described under Dense Surfaces. Allow to set and then backfill as previously described.

Interior Surfaces Above Grade - Weather Resistive Barrier: **HE107 - ASPHALT EMULSION** is used for dampproofing the exterior face of interior walls in cavity wall construction. **HE107 - ASPHALT EMULSION** is compatible with masonry, concrete, CMU, and gypsum sheathing. Apply product in 1 coat, carrying the coating in and around all joints, grooves, and slots, following all reveals and soffits of windows and continuing 12" out on adjoining partitions and soffits. Allow to set. If walls are to receive

hard wall plaster, use furring strips or metal lath.

Drying: Usually 8 to 12 hours in warm, dry weather. Drying will be slower, 2 to 7 days, in cool, damp weather. Allow to dry between coats. On below-grade foundations, let cure at least 24 to 48 hours, with good air circulation, before exposure to water or backfilling. Use forced air if needed. **COATING BECOMES WATERPROOF ONLY AFTER DRYING THOROUGHLY!** Test for dryness in slowest drying area by vigorously rubbing the surface with a wet finger. Coating is dry if no staining occurs. The dry membrane should be protected from back-filling damage by installing **Henry Protection Board**, adhered with **Henry #204® Plastic Roof Cement**.

Precautions

Do not apply when air temperature is below 50° F or if there is a threat of rain or temperatures below 50° within 24 hours. Do not heat container or store at temperatures greater than 110° F. **DO NOT ALLOW COATING IN PAIL TO FREEZE.** When transporting this product, be sure the pail is secured and the lid is tight. Do not allow pail to tumble; this may loosen the lid and cause leakage to occur. This coating is not recommended over gravel, rubber, or PVC sheet roofing or shingles of any kind. The usual age limit for roofs to be coated is 7 to 10 years, but this varies with condition of the roofing. Application over hot applied asphalt without reinforcement may not prevent alligatoring.

Cleanup

Fresh coating can be removed with water. Use kerosene, paint thinner, or mineral spirits if material has started to dry. Clean hands with waterless hand cleaner. Keep brushes in water when not in use.

Caution

CAUTION! Do not heat container or store at temperatures greater than 120° F. Close container after each use. **DO NOT TAKE INTERNALLY!** Use protective measures to avoid contact with eyes and skin. **If swallowed, CALL PHYSICIAN IMMEDIATELY!** **In case of eye contact**, open eyelids wide and flush immediately with plenty of water for at least 15 minutes. **GET MEDICAL ATTENTION.** **In case of accidental injection** by power spray equipment, **GET MEDICAL ATTENTION IMMEDIATELY!** **KEEP OUT OF REACH OF CHILDREN! DO NOT ALLOW THIS PRODUCT TO FREEZE!**

WARNING:

This product contains detectable amounts of chemicals known to the State of California to cause cancer, 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.

Note: This coating, like all asphalt-based products, forms a small amount of water soluble material as it weathers. Normally this is not noticeable because the rain washes it away. However, roofs having a pitch less than 1/2" per foot, or ones having poor drainage, will accentuate the problem by concentrating the water soluble material in low spots. If there is no rainfall, hose these roofs off to remove the water solubles. Frequent inspection of these roofs is recommended because abnormally rapid deterioration of any roofing material may occur where water stands for long periods.

Product Sizes

BULK (GALLONS) (8.58 lb)	GALLON (9.5 lb)	5 GAL/18.93 L (47 lb)
5 GALLON (47 lb)	55 GAL/205 L (499 lb)	275 GALLON (2365 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.**