

**Physical Properties**

<b>Appearance</b> Liquid with asphalt odor	<b>Color</b> Black	<b>Solids By Weight</b> 54%
<b>Application Temperature</b> 50° F and rising	<b>Flash Point</b> > 212° F	<b>Specific Gravity @ 77° F (25°C)</b> 1.01
<b>Ash</b> 1.3%	<b>Maximum VOC</b> 10 g/l	<b>Weight Per Gallon</b> 8.3-8.7 lbs
<b>Brookfield Viscosity</b> 400-800 cPs	<b>Maximum VOS</b> 0.08 lbs/gal	

**Description**

**HE019 - BINDER/TACK EMULSION CONTRACTO R GRADE** is a fluid chemical emulsion containing surface active agents to aid in "wetting" pavement surfaces. It is stable to mixing with clean sand and coarse aggregates for the preparation of surfacing or patching mixes and extensive dilution with cool, clean soft water for use as a priming and tack coat.

**Usage**

Diluted product is recommended for tack coating asphalt pavement surface whenever the bonding of pavement surface coating products is questionable. It is also used as the binder for mastic mixes construction.

**Surface Preparation**

Pavement surfaces should be swept with a stiff broom to remove all loose particles or blown clean with a high pressure air stream. Whenever possible, pavement should be flushed with a high velocity stream of water for maximum dirt removal. Puddles of water must be removed. Vertical walls should be clean and free of loose particles, dirt or grease.

**Application**

**USED AS A TACK COAT:** Dilute **HE019 - BINDER/TACK EMULSION CONTRACTO R GRADE** with four to eight volumes of cool, clean water and mix thoroughly. Broom onto surface at a rate of 250 - 400 sq. ft. per gallon of diluted emulsion. Coverage will vary with pavement texture and porosity. Do not allow diluted emulsion to collect in low areas.

**USED AS A MASTIC PATCHING MIX:** The following recommendations are for patching only. Do not use for complete overlay.

**Patching Mix (for thickness up to 1/2"):**

- 1 Vol - (1 50 lb. bag) Portland Cement
- 1 Vol - ( 7 1/2 gals.) **Henry #19 Binder/Tack Emulsion**
- 3 Vol - (22 1/2 gals.) Clean Sharp Concrete Sand (approx. coverage 80 sq. ft. 1/2" thick)

**Patching Mix (for thickness from 1/2" but not greater than 1" per application. Allow 24 hours between application):**

- 1 Vol - (1 50 lb. bag) Portland Cement
- 1 Vol - (7 1/2 gals.) **Henry #19 Binder/Tack Emulsion**
- 2 Vol - (15 gals. ) Clean Hard Sand
- 4 Vol - (30 gals.) 1/4" Crushed Stone or Gravel

**MIXING EQUIPMENT**

- Mix in mechanical mortar mixer or mortar box using hoe, shovel or trowel.

**MIXING BATCHES:**

- Dry mix measured quantities of cement and dry aggregates. Add just enough water to make a damp, stiff mix.
- Mix the measured amount of **Henry #19 Binder/Tack Emulsion** (undiluted) and mix until the mastic is uniform in color and

texture.

- If mixture is too dry and tends to ball up, add water in small quantities until a uniform stiff mix is obtained.
- Do not overmix.
- Use only enough water to obtain a uniform stiff mix
- Mix only quantities that will be placed within one hour.

**USED AS A DAMPPROOFER:** Spray apply without thinning at a uniform rate of 50-75 sq. ft. per gallon. To assist in spraying, material may be heated to 110 -130°F before application. **DO NOT OVER APPLY. USE ONLY ON NEW CONSTRUCTION. DO NOT APPLY OVER SILICONE-TREATED CONCRETE.**

### Precautions

Do not apply in rain or when frost is forecasted within 24 hours. As temperature and humidity affects curing time, applications on warm, sunny days are recommended. Apply only when air temperature is 50°F and rising. When transporting this product, be sure the container is secured and the lid is tight. Do not allow container to tumble as this may loosen the lid and allow leakage to occur.

### Cleanup

Clean hands with water before emulsion has dried. Dried emulsion can be cleaned with mineral spirits.

### Caution

**CAUTION!** 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. In case of accidental injection by power spray equipment, **GET MEDICAL ATTENTION IMMEDIATELY!** Dispose of container and unused contents in accordance with Local, State and Federal regulations.

**KEEP OUT OF REACH OF CHILDREN!**

**KEEP FROM FREEZING.**

**WARNING:** This product contains detectable amounts of chemicals known to the State of California to cause cancer, 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 the toll free number or website below.

### Product Sizes

5 GALLON (44.85 lb)

55 GAL/205 L (502.75 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.**