

Physical Properties

Appearance Granular, dry powder	Color Grey to tan	Maximum VOS 0 lbs/gal
Application Temperature 40° F. and rising	Maximum VOC 0 g/l	

Description

HE176 - POND PATCH is an innovative method for filling and leveling roof "ponds" to assure positive drainage. Extremely versatile, it can be used over the roof membrane for maintenance or under the new roof membrane in reroofing applications. **HE176 - POND PATCH** is strong, durable, has great compressive strength (125 psi) and will not burn. It is convenient to use, mixing readily with water to create a trowel grade material which is easily shaped and worked. At less than 3# per sq. ft. per inch of thickness, **HE176 - POND PATCH** is very light weight (approximately 33# per cu. ft.) It reduces the destructive potential of ponding water on roof structures.

Usage

USES

- Fill Ponding areas.
- Form crickets.
- Fill in voids over a sound structure to support a new roofing membrane.
- Use on the following substrates: wood, concrete, metal, insulation.
- Use on the following membranes: BUR (cap sheet or smooth surface), SBS, APP. On gravel roofs, scrape the gravel off in the area which requires the patch.

Coverage

Coverage: 12.5 sq. ft. (3/4" depth) per 6 gallon Pail

Cured Weight: 3# per sq. ft. @ 1" thickness

Cured Compressive Strength: 125 psi

Surface Preparation

Clean the roof. Repair the roof leaks and potential roof leak areas. Mark the low areas to be filled. Coat these areas with **Henry # 107 Asphalt Emulsion** and allow the emulsion to cure until it can take foot traffic without scuffing. (If the roof is old and/or dirty, a thin coat of **Henry # 103 or # 104 Asphalt Primer** may be advisable prior to applying the emulsion.) Add 4 to 5 gallons of clean water to the 6 gallon (23#) pail of **HE176 - POND PATCH**. The best method is to place a large, heavy duty, thick mil plastic trash bag over the mouth of the pail and invert it so the contents go into the bag. Hold the neck of the bag mostly closed and add the water. Mix by kneading the mixture inside the bag. Alternately, use a wheelbarrow or mixing tray. Start with at least 80% of required water and mix for about 30 seconds - then add the balance of the water. Continue to mix 5 to 8 minutes. Mix thoroughly until there are no lumps and **HE176 - POND PATCH** is spreadable with a cement trowel. **Note:** When starting to mix, it may feel like the batch needs more water; but after a few minutes of mixing, it feels right. While a thinner mix trowels easier, a thicker mix holds the desired shape better. Too much water makes a batch difficult to finish properly. If applied on a slope, **HE176 - POND PATCH** will exude water on the downhill side of the mixture as it cures. This is normal.

Application

Apply **HE176 - POND PATCH** with a trowel just as you would apply concrete. Screed and finish trowel to proper height over the pond area. After **HE176 - POND PATCH** has cured for 2 days, remove any high spots and ridges with a wire brush. Fill in any low areas and check for proper slope. Slight bubbles inside and on the cured **HE176 - POND PATCH** are normal and expected. After **HE176 - POND PATCH** has cured, apply a coat of **Henry # 107 Asphalt Emulsion** at the rate of 3 gal. per 100 sq. ft. over the entire patched area, overlapping 6" onto the existing membrane. While the emulsion is wet, embed polyester fabric into it, going beyond the edges of the patch onto the membrane surface. Immediately apply a top coating of asphalt emulsion. If the membrane is granule surfaced, broad cast matching granules into the wet emulsion. If the roof has a reflective coating, allow the emulsion to cure and then apply a reflective coating to match the surrounding roof. **HE176 - POND PATCH** will hold some moisture in the cured product. If a non-breathing coating or membrane is applied over **HE176 - POND PATCH**, a means of escape for the water vapor (venting) is required.

Precautions

Do not use **HE176 - POND PATCH** to mask structural defects. Building deflection and ponds may be caused by a structural problem. If so, this must be corrected to prevent structural failures and possible building collapse. Determine that the structure is strong enough to hold all material loads. Do not apply when there is a threat of rain within 48 hours. Temperature must be above 40° F. for application and curing. If applied product freezes before it is cured, it will be ruined. Unmixed product is a fine powder - caution should be used on windy days to prevent creating a dust hazard. SEE PERSONAL PROTECTIONS RECOMMENDED UNDER "CAUTION." 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.

Cleanup

Clean tools with water. Wash hands with soap and water.

Caution

CAUTION! Contains Portland Cement (crystalline silica and calcium aluminate). Use an approved dust mask to prevent breathing the dry product, as breathing dust may be harmful to your health. Prolonged breathing of dust will increase the risk of serious lung disease (silicosis). Use approved protective measures (mask or goggles) to avoid getting dust into eyes. **In case of eye contact**, open eyelids wide and flush immediately with plenty of water for at least 15 minutes. **GET MEDICAL ATTENTION** if irritation persists. **DO NOT TAKE INTERNALLY!** If **swallowed**, drink plenty of water. **CALL PHYSICIAN. KEEP OUT OF REACH OF CHILDREN!**

WARNING:

This product contains detectable amounts of chemicals (crystalline silica sand) 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.

Product Sizes

23 LBS PAIL

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.**