TECHNICAL DATA SHEET

HE280DC - WHITE ELASTOMERIC ROOF COATING

Distributed by: BEST MATERIALS LLC, Phoenix AZ
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Physical Properties

Accelerated Weathering 1000 hrs Pass - No cracking or checking (ASTM D-4798)	**Fungi resistance, rating** 0 (ASTM G-21)	**Tensile Strength Film (Initial)** >240 psi (ASTM D-2370)
Appearance Smooth Paint Like	**Maximum VOC** <50 g/l	**Thermal Emittance** 0.90 (ASTM C-1371)
Application Temperature 50º F and rising	**Maximum VOS** <0.42 lbs/gal	**Viscosity** 115 - 130 KU (ASTM D-562)
Brookfield Viscosity 30,000-40,000 cPs (ASTM D-2196)	**Near Normal Emittance (LEED)** 0.94 (ASTM E-408)	**Water Swelling, Mass%** <11.0 (ASTM D-471)
Color White	**pH** >9.0	**Water Vapor Permeance** <7.0 (ASTM E-96)
Elongation (Initial) >250% (ASTM D-2370)	**Solar Reflectance Index** 112 (ASTM E-1980)	**Weight Per Gallon** 11.0-11.3 lbs
Elongation after 1000 hr. WOM >230% (ASTM D-2370)	**Solar Reflectance, Initial** 0.88 (ASTM C-1549)	**Wet Adhesion to Concrete Substrate, pli** >5.8 (ASTM D-794/D-903)
Flash Point Non-Flammable	**Solids By Volume** >52.0% (ASTM D-2697)	**Wet Adhesion to Galvanized Metal, pli** >10.5 (ASTM D-794/D-903)
Flexibility (Low Temperature) Pass- 1/2" mandrel @ -15º F (ASTM D-522)	**Solids By Weight** >65.0%	**Wet Adhesion to SBS Mod. Bitumen, pli** >7.5 (ASTM D-794/D-903)
Freezability Do not freeze	**Tear Resistance** >80 lbf/in (ASTM D-624)	

Approvals and Certifications

* Meets ASTM D-6083-97a, and ASTM D-6083-05
* Florida Product Approval #4600.2. Approved in HVHZ per conditions of Product Control Notice of Acceptance # 04-1027.01 *
Miami-Dade County, Florida, NOA - 04-1027.01. Expiration Date: June 2, 2010. Refer to the NOA for Dade County use and application requirements
* Meets the requirements of California Energy Commission Title 24 Section 118(i)3
* UL Classified and Fire Rated. UL Class A and Class B over wide range of roofing systems. Contact Henry Tech Service
* Cool Roof Rating Council (CRRC) Product ID# 0620-0015
Meets LEED requirements for Credit 7.2 - Cool Roof - compliant with reflectivity (ASTM E-903) and emissivity (ASTM E-408)
* Energy Star Rated

Description

HE280DC - WHITE ELASTOMERIC ROOF COATING is a premium, water-based acrylic latex coating. Properly applied, it is highly resistant to disbonding, chalking, mildew, fungi, and discoloration. **HE280DC - WHITE ELASTOMERIC ROOF COATING** gives the following benefits:

- Reflects up to 88% of sun's heat and U.V.
- Lowers roof and interior temperatures
- Prolongs roof life
- Reduces air conditioning costs

Usage

HE280DC - WHITE ELASTOMERIC ROOF COATING may be used in the following applications:

- Well adhered, weathered, previously coated white or aluminum roof surfaces
- Mineral surface cap sheet (conventional, SBS or APP)
- Smooth surface BUR, SBS and APP roofs require a base coat of Henry Asphalt Emulsion
- Metal roofs require a base coat of Henry Asphalt Emulsion - also see **Henry MetalShield®** for metal roofs
- Stucco and masonry parapet walls
- Aged PVC, EPDM and Hypalon membranes
- Recoat of Polyurethane Foam Roofs

Coverage

On smooth surfaces--approximately 2 - 2 1/2 gallons per 100 sq. ft. (applied in two coats of 1 gallon per 100 sq. ft). (For 20 dry mils, apply in two coats of 1 1/4 gallons per 100 sq. ft.) **On mineral surfaces**--approximately 2-3 gallons per 100 sq. ft. depending on porosity and roughness of surface (applied in two coats of 1 - 1 1/2 gallons per 100 sq. ft.).

Surface Preparation

Surface must be clean and in good repair. Sweep and power wash area to remove all dust, dirt, loose granules, and residues. Scrub areas where water ponds with detergent and water, and rinse well. Carefully inspect area to be coated, including around pipes, chimneys, equipment, roof edges and walls. Repair all cracks, breaks, splits and holes by embedding polyester fabric between 2 heavy coats of **Henry #289 ElastoCaulk®** at least 2 inches beyond repair. Allow to completely cure. **Henry #289 ElastoCaulk** can usually be coated within 24 hours. On metal roofs, tighten all fasteners. Seal fasteners and seams with **Henry #289 ElastoCaulk**. NOTE: All leaks must be sealed prior to application of this product. **Henry #600 Ruftac®** self-adhering membrane may be used in lieu of mastic. Coat **Henry #600 Ruftac** with Asphalt Emulsion prior to coating with this product. When coating over newly-applied asphalt emulsion, proceed as soon as the emulsion has cured, normally 1-7 days. When recoating a previously coated aluminum or white roof, for best results, apply a base coat of **Henry #107® Asphalt Emulsion** at a rate of 3 gallons per 100 sq. ft. Allow emulsion to cure completely before application of **HE280DC - WHITE ELASTOMERIC ROOF COATING**.

For best results, apply base coat of **Henry #291 Premium Elastomeric Base Coat** at a rate of 1 gallon per 100 sq. ft. When **Henry #291 Premium Elastomeric Base Coat** is used at the recommended rate, **HE280DC - WHITE ELASTOMERIC ROOF COATING** may be applied in a single coat at recommended rate.

On new APP and roofs where ponding (water that remains on roof more than 48 hours after rainfall) may occur, apply a base coat of Asphalt Emulsion at a rate of 3 gallons per 100 sq. ft., then apply a base coat of **Henry #291 Premium Elastomeric Base Coat**.

For best results on roofs where ponding may occur, use **Henry #176 PondPatch**® to create positive drainage in those areas prior to the application of **HE280DC - WHITE ELASTOMERIC ROOF COATING**. Follow the recommended curing instructions as shown in the **Henry #176 PondPatch** label.

Over metal, BUR, smooth SBS and APP modified bitumen membranes, thoroughly sweep the surface clean of all contaminants and anti-blocking agents and apply a base coat of Asphalt Emulsion at a rate of 3 gallons per 100 sq. ft., prior to applying 2 coats of **HE280DC - WHITE ELASTOMERIC ROOF COATING** at 1 - 1 1/4 gallon per 100 sq. ft. per coat.

Application

Choose a warm, sunny day--the roof surface should be warm to the touch. If the roof surface is too hot to touch (140º F+), it is too hot to coat. Apply to a clean, dry surface. Do not dilute. Stir coating to a uniform consistency, and apply by heavy-duty spray, deep-pile paint roller, or 4-knot brush. When applied by brush or roller, keep strokes in one direction. Apply in two coats at recommended rate for the substrate. Apply both coats the same day. Allow to dry thoroughly between coats. Schedule work so second coat can dry before nightfall. Apply second coat at right angles to first coat.

Precautions

DO NOT APPLY WHEN AIR TEMPERATURE IS BELOW 50º F, OR IF THERE IS A THREAT OF RAIN, FOG, DEW, OR TEMPERATURES BELOW 50º F WITHIN 48-72 HOURS. Do not heat container or store at temperatures greater than 120 º F. 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 ALLOW COATING IN PAIL TO FREEZE.** This coating is not recommended over walking decks, over gravel, T.P.O., shingles of any kind, or old roofs that are too dry and brittle to withstand the shrinkage stresses that occur after the application of any coating.

Cleanup

Before coating dries, clean tools, spillage, etc., with warm soapy water. If coating has dried, soften the dried film on tools with

lacquer thinner, then scrape clean. When using lacquer thinner, exercise safe practices concerning flammability and toxicity. Clean hands with waterless hand cleaner.

Caution

CAUTION! Do not heat container or store at temperatures greater than 120º 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. 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! DO NOT ALLOW THIS PRODUCT TO FREEZE!**

WARNING: This product may contain 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.

Product Sizes

5 GALLON (58 lb)	55 GAL/205 L (666 lb)	275 GALLON (3044 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 10 years 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.**