

Physical Properties

Appearance Smooth White	Maximum VOC <50 g/l	Specific Gravity @ 77° F (25°C) 1.24
Application Temperature 50° F and rising	Maximum VOS <0.41 lbs/gal	Tensile Strength Film (Initial) 210 psi (ASTM D-2370)
Brookfield Viscosity 15,000-20,000 cPs, 5D@20 RPM	Near Normal Emittance (LEED) 0.94 (ASTM E408)	Thermal Emittance 88% (ASTM C1371)
Color White	pH 9.0	Water Absorption 1.21 (ASTM D471)
Drying Time @ 50% R.H. 68°F (20°C) 2.5 hr	Recovery 97.3% (ASTM D2370)	Water Vapor Permeance 8.1 (ASTM D-1653)
Elongation (Initial) 300% (ASTM D2370)	Reflectance 86% (ASTM C1549)	Weight Per Gallon 11.8-12.2 lbs (ASTM D1475)
Flash Point >212° F (ASTM D56)	Solids By Weight 48-52%	

Approvals and Certifications

Henry stipulates that these rating were determined in accordance with the applicable Cool Roof Rating Council procedures. Rated Product ID - 0620-0007.

As an ENERGY STAR® Partner, Henry has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

Consult Henry Representative for specific assembly ratings and requirements.

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



Description

HE287SF - SOLARFLEX® 287SF BRILLIANT WHITE ELASTOMERIC COATING is a premium, elastomeric, water-based acrylic latex coating. Properly applied, it is highly resistant to disbonding, chalking, mildew, and discoloration. HE287SF - SOLARFLEX® 287SF BRILLIANT WHITE ELASTOMERIC COATING provides the following benefits:

- Reflects over 85% of sun's heat and U.V
- Bright white with excellent "hide"
- Lowers roof and interior temperatures
- Prolongs roof life
- Reduces air conditioning costs

Usage

- Well drained surfaces which do not "pond" water
- Conventional, SBS, or APP mineral surface cap sheet
- Smooth surface built-up roofing, SBS, APP, or metal which has first been coated with conventional Henry #107 Asphalt Emulsion
- Roof surfaces previously coated with white or aluminum (aluminum must be allowed to weather before coating with HE287SF -

SOLARFLEX® 287SF BRILLIANT WHITE ELASTOMERIC COATING)

- Stucco parapet walls

Coverage

Apply 2.0 - 2.5 gal/sq. (2 coat application of 1.0 - 1.25 gal/sq each). Allow to dry between coats. It is best to apply both coats on the same day. If the roof is large, it is better to apply two coats to a portion of it on one day, and two coats to the remainder on the next.

Surface Preparation

First seal leaks before coating with HE287SF - SOLARFLEX® 287SF BRILLIANT WHITE ELASTOMERIC COATING. Carefully inspect area to be coated, including around pipes, chimneys, equipment, roof edges, and walls. Repair all cracks, breaks, splits, and holes by embedding Henry #296 ElastoTape® polyester fabric between 2 heavy coats of Henry #289 White Roofing Sealant applied over and at least 2 inches beyond repair. Henry #289 White Roofing Sealant can usually be coated within 24 hours. However, if you use solvent-based asphalt mastic (plastic roof cement) to seal leaks, it must cure for 30 days to avoid bleed through.

Surface must be clean and in good repair. Sweep and hose down area to remove all dust, dirt, and residues. Scrub areas where water ponds with detergent and water, and rinse well. Coat newly applied asphalt emulsion as soon as it can take foot traffic without scuffing the surface, normally 1-7 days.

Over APP modified bitumen membranes and before applying HE287SF - SOLARFLEX® 287SF BRILLIANT WHITE ELASTOMERIC COATING, sweep the surface clean of all contaminants, then apply a barrier coat of Henry #107 Asphalt Emulsion and allow to dry such that it will bear foot traffic, usually 1-7 days. For best results, over APP and in ponding conditions, use Henry #280DC White Elastomeric Roof Coating over Henry #291 Premium Elastomeric Base Coat. Over smooth SBS modified bitumen membranes, thoroughly sweep the surface clean of all contaminants and anti-blocking agents, then apply a barrier coat of Henry #107 Asphalt Emulsion and allow to dry such that it will bear foot traffic, usually 1-7 days, prior to applying HE287SF - SOLARFLEX® 287SF BRILLIANT WHITE ELASTOMERIC COATING. Over mineral surfaced SBS membranes, remove all loose granules before applying HE287SF - SOLARFLEX® 287SF BRILLIANT WHITE ELASTOMERIC COATING.

Application

Choose a warm sunny day when the roof surface is warm to the touch. HE287SF - SOLARFLEX® 287SF BRILLIANT WHITE ELASTOMERIC COATING can be applied to a dry or slightly damp--not wet--surface. Sweep the water out of any puddles. Stir coating to a uniform consistency. Apply with a deep-pile paint roller or heavy-duty spray. Select a sturdy paint roller with a wood - not plastic - handle, with a pole with a metal - not wood - threads. When applied by roller, keep strokes in one direction. Apply second coat at right angles to first coat.

Do not apply HE287SF - SOLARFLEX® 287SF BRILLIANT WHITE ELASTOMERIC COATING over surfaces which will be subjected to ponded water conditions. Use Henry Pond Patch #176 to create positive drainage in those areas prior to the application of HE287SF - SOLARFLEX® 287SF BRILLIANT WHITE ELASTOMERIC COATING. Follow the recommended curing instruction as shown in the pond patch label or use Henry #280DC White Elastomeric Roof Coating over Henry #291 Premium Elastomeric Base Coat.

2-STEP SYSTEM: For newer roofs in "good to excellent" condition, 1) Patch with Henry #289 White Roofing Sealant and Henry #296 ElastoTape®. 2) Coat with HE287SF - SOLARFLEX® 287SF BRILLIANT WHITE ELASTOMERIC COATING. Apply directly to mineral surface cap sheet (conventional, SBS, or APP torch down), roofs previously coated with white or aluminum which has weathered, or asphalt emulsion.

3-STEP SYSTEM: If the above roof types are older and only in "fair to good" condition, however, add a protective base coat of conventional Henry #107 Asphalt Emulsion. 1) Patch with Henry #289 White Roofing Sealant and Henry #296 ElastoTape®. 2) Coat with Henry #107 Asphalt Emulsion. 3) Coat with HE287SF - SOLARFLEX® 287SF BRILLIANT WHITE ELASTOMERIC COATING. Always use the 3-Step System for: previously uncoated metal, smooth surface (not granule surfaced) SBS and APP, and solvent based black asphalt coatings and hot-mopped asphalt which are thoroughly cured.

Precautions

DO NOT APPLY WHEN AIR TEMPERATURE IS BELOW 50°F, OR IF THERE IS A THREAT OF RAIN, FOG, OR TEMPERATURES BELOW 50° F WITHIN 48-72 HOURS. Do not heat container or store at temperatures greater than 120° 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, in roof areas with inadequate drainage (i.e., ponding water), over gravel, polyurethane foam, rubber or PVC sheet roofing, 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. In locations where ice and snow occur, apply over mineral surface cap sheet only. Wear sunglasses when applying in bright, sunny weather.

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 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. 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.

FOR EXTERIOR USE ONLY.</br>

KEEP OUT OF REACH OF CHILDREN.

PROTECT 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 Henry at the toll free number or website below.

Product Sizes

GALLON (13 lb)

5 GALLON (57 lb)

55 GAL/205 L (693 lb)

275 GALLON (3000 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 beyond our control. We will replace at no charge any product proved to be defective within 7 years of purchase, provided it has been applied in accordance with our written directions for uses we recommend as suitable for this product. Proof of purchase must be provided. **DISCLAIMER OF WARRANTIES:** The 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; and we, the manufacturer, shall have no further liability of any kind including liability for consequential or incidental damages resulting from any defects or any delays caused by replacement or otherwise.