



TECHNICAL DATA SHEET
Pro-Grade[®] 280
Elastomeric White Roof Coating

Physical Property	Typical Value	Test Method
Appearance	White, fluid	-
Elongation, Initial	>250%	ASTM D2370
Elongation, after 1000 Hours Aging	>230%	ASTM D2370
Tear Resistance	>80 lbs./in.	ASTM D624
Tensile Strength, Initial	>240 psi	ASTM D2370
Flash Point	Non-flammable	-
Fungi Resistance	Zero Rating	ASTM G21
Low Temperature Flexibility, after 1000 Hours Aging	PASS, No Cracking or Checking	ASTM D6083
pH	9.0	-
Solids Content by Volume	>52-56%	ASTM D2697
Viscosity (Brookfield)	30,000-40,000 cPs	ASTM D2196
VOC Content (maximum)	50 g/l	EPA Method 24
Water Swelling, Mass %	<20%	ASTM D471
Water Vapor Permeance	<50 perms	ASTM E96
Weight per Gallon	11.0-11.3 lbs.	ASTM D1475
Solar Reflectance, Initial	0.88	ASTM C1549
Solar Reflectance, 3 Yr.	0.73	ASTM C1549
Thermal Emittance, Initial	0.90	ASTM C1549
Thermal Emittance, 3 Yr.	0.87	ASTM C1549
Solar Reflectance Index (SRI), Initial	111	ASTM E1980
Solar Reflectance Index (SRI), 3 Yr.	89	ASTM E1980

Approvals and Certifications

- Meets ASTM D6083 - Standard Specification for Liquid Applied Acrylic Coating Used in Roofing
- ENERGY STAR[®] Certified
- Florida Approved
- Miami-Dade County Approved
- FM Certified
- UL Certified
- Meets the requirements of California Energy Commission (CEC) Title 24 Section 118(i)3
- Cool Roof Rating Council (CRRC) Rated
- Can contribute to LEED certification credits

Description

Pro-Grade[®] 280 Elastomeric White Roof Coating is a water-based 100% acrylic latex coating. It is designed to reflect solar radiation and reduce roof surface temperature, which helps lower interior temperatures as well as energy costs. Properly applied, it is highly resistant to disbonding, chalking, mildew, fungi, discoloration and helps extend the roof's life cycle.

Features

- 100% acrylic energy saving reflective coating
- Dirt pick-up resistant (DPR) technology for longer-lasting reflectivity and energy savings
- Helps preserve existing roof membrane
- Elastomeric
- VOC compliant
- Highly reflective

Pro-Grade® 280 Elastomeric White Roof Coating

Usage

Pro-Grade® 280 is used as a protective surfacing for previously coated roofs, asphalt emulsion, new or aged smooth asphalt built-up roofing (BUR), modified bitumen (MB), aged EPDM, Hypalon® and PVC roofs, metal roofs, concrete and new and previously-coated polyurethane roofs.

Application

Clean: Before coating the roof use a pressure washer with greater than 2,000 psi to clean the roof with a non-filming detergent, such as TSP or TSP substitute. For aged EPDM single ply membrane, apply **Henry® RubberKote® 825 Rinseable Primer** to clean and enhance adhesion of coatings. Use appropriate pressure and take caution not to inject water into the roofing substrate when power washing. In areas with stubborn dirt, grease or other contaminants, use a stiff bristle brush or broom to scrub the areas clean with additional water and non-filming detergent. Treat mildew or mold. Remove rust on metal with a wire brush, sandblast or mechanically abrade until substrate is smooth and rust free. Rinse the roof to ensure it is free of all detergent or anything else that could affect adhesion. Using a leaf blower or broom, clear any remaining dust, dirt, debris or other foreign material that may prevent proper adhesion.

Repair: Inspect area to be coated. On metal roofs, remove old and damaged mastic repairs at laps, seams and fasteners. Repair all defects including cracks, splits, holes, blisters, deteriorated flashings, cracked metal edging and any other defects affecting the water tightness of the roofing systems. Do this by layering **Henry® 195 Polyester Fabric**, **Henry® 196 Polyester Fabric** or **Henry® 296 ElastoTape Repair Fabric** between two heavy coats of **Henry® 289 White Roofing Sealant** and allow to form a skin and set up – from 2 to 24 hours, depending on depth of fill and weather conditions – before coating. Tighten or replace fasteners on metal roofs as necessary. Seal fasteners and seams with **Henry® 289** and allow to cure. Ensure all roof drains and gutters are clean and clear, and cut back any vegetation that is growing above the roof which may cause debris to fall on the roof and clog drains and gutters in the future. All roof areas must promote positive drainage. Contact Henry® Product Support for water ponding areas and other questions regarding repair of existing roof.

NOTE: Existing roof membrane, insulation and all substrates must be sound, dry, clean and free of oil, grease, dirt, excess mortar, frost, laitance, loose and flaking particles, or other contaminants. All leaks must be sealed prior to application of coating.

DO NOT THIN. DO NOT APPLY IF RAIN OR TEMPERATURES BELOW 50 °F (10 °C) ARE EXPECTED WITHIN 12 HOURS (low temperature and/or high humidity may require longer drying time). Do not heat container or store at temperatures greater than 120 °F (49 °C). DO NOT ALLOW COATING IN PAIL TO FREEZE. Not for use over plywood, walking decks, gravel, TPO roofing, Kynar® / Hylar® coated metal roofs, 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. Do not apply to wet or saturated roofs.

Apply: Surface must be dry. If the roof surface is too hot to touch (>140 °F / 60 °C), it is too hot to coat. Stir coating thoroughly and apply with heavy-duty sprayer or deep-pile paint roller with wood handle and metal threads, keeping strokes in one direction. For newly-applied asphalt emulsion, apply coating as soon as it has cured, normally 1-7 days. Please consult Henry® Product Support for specific questions regarding application of this product.

Recoat: Apply a second coat when the first is dry, preferably on the same day. For large roofs, apply two coats to one section per day. Allow to dry fully between coats. Schedule work so that coating has 2 hours to dry before nightfall. Apply second coat perpendicular to the first coat.

Coverage

Minimum coating coverage is 3.0 gallons/square to be applied in two coats at 1.5 gallons/square. Apply each coat in a perpendicular direction to the previous coat. Coverage varies with surface texture. Application rates should be adjusted to meet each particular roof's specified requirements. Coverage rates are theoretical and do not take into account material loss due to spraying, surface texture, etc. Thicker dry film results in better performance and longer coating life.

- ▲ For Henry® Material Plus and Gold Seal Warranty, refer to the appropriate Henry® Restoration System (HRS) Application Guide or Guide Specification for application and coverage rate requirements.

Clean-up

Before coating dries, clean hands, tools, spillage, etc., with warm soapy water. If coating has dried, clean hands with a waterless hand cleaner. Soften the dried film on tools with mineral spirits, and then scrape clean. When using mineral spirits, exercise safe practices concerning flammability and toxicity.

Pro-Grade® 280 Elastomeric White Roof Coating

Packaging

5 Gallon, 55 Gallon, 275 Gallon

Color

White

Limited Product 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 have a material defect within 12-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.

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