



TECHNICAL DATA SHEET
Pro-Grade® 276
Elastomeric White Roof Coating

Physical Property	Typical Value	Test Method
Appearance	White, fluid	-
Elongation, Initial	>250%	ASTM D2370
Elongation, After 1000 Hours Aging	>150%	ASTM D2370
Flash Point	Non-flammable	-
Low Temperature Flexibility, Initial	Pass, no cracking or checking	ASTM D522
Low Temperature Flexibility, After 1000 Hours Aging	Pass, no cracking or checking	ASTM D522
Solar Reflectance	0.86	ASTM C1549
Solar Reflectance Index (SRI)	109	ASTM E1980
Solids Content By Volume	>48%	ASTM D2697
Tensile Strength	>150 psi	ASTM D2370
Thermal Emittance	0.90	ASTM C1371
Viscosity (Brookfield)	30,000 – 50,000 cPs	ASTM D2196
VOC Content (maximum)	50 g/l	EPA Method 24
Water Swelling, Mass %	<20%	ASTM D471
Water Vapor Permeance	<20 perms	ASTM E96
Weight Per Gallon	10.50-11.50 lbs.	ASTM D1475

Approvals and Certifications

- ENERGY STAR® 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® 276 Elastomeric White Roof Coating is a water-based 100% acrylic latex reflective coating. With built-in dirt pick-up resistance (DPR) technology, **Pro-Grade® 276** coated roofs stay bright white longer lowering roof and interior temperatures resulting in long-term energy savings.

Features

- 100% acrylic highly reflective coating with excellent hiding ability
- Dirt pick-up resistant (DPR) technology for longer-lasting high reflectivity and energy savings
- Helps preserve existing roof membrane and extends the roof life cycle
- Elastomeric
- VOC compliant

Usage

Pro-Grade® 276 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, aged metal roofs, sprayed polyurethane foam and concrete roofs, pending successful adhesion test results. Conduct at least two adhesion tests in the field of the existing roof membrane every 10,000 sq. ft. plus in areas of worn roofing, change in roof membrane type or areas indicating ponding water to ensure adequate coating bond strength can be obtained. Apply **Pro-Grade® 276** to the clean and dry roof substrate and immediately embed a 1 inch wide by 6 inch minimum long polyester roof fabric. Leave 2 inches minimum of fabric left uncoated. Immediately apply a second layer of coating over embedded section of fabric. Allow test areas to cure for 72 hours minimum before checking adhesion. When checking adhesion, pull the uncoated fabric section straight back with a hand-held scale attachment measuring the pulling force. To pass, coating must not delaminate when pulled with a force of (2) pounds per linear inch minimum.

Pro-Grade® 276 Elastomeric White Roof Coating

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. 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, 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.

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.

Packaging

5 Gallon, 55 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 10-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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