



Physical Property	Typical Value	Test Method
Appearance	fluid	-
Flash Point	105° F	ASTM D3278
Solids Content by Volume	>45-50%	ASTM D2697
Stormer Viscosity	75-105 K.U.	ASTM D562
VOC Content (maximum)	400 g/l	EPA Method 24
Weight per Gallon	7.7-8.7 lbs.	ASTM D1475
Solar Reflectance, Initial	0.53	ASTM C1549
Solar Reflectance, 3 Yr.	0.42	ASTM C1549
Thermal Emittance, Initial	0.50	ASTM C1549
Thermal Emittance, 3 Yr.	0.56	ASTM C1549
Solar Reflectance Index (SRI), Initial	48	ASTM E1980
Solar Reflectance Index (SRI), 3 Yr.	33	ASTM E1980

Approvals and Certifications

- Meets or exceeds ASTM D2824 – Standard Specification for Aluminum-Pigmented Asphalt Roof Coatings, Nonfibered, Asbestos Fibered, and Fibered without Asbestos
- ENERGY STAR[®] Certified for steep slope roofs
- UL Certified as a component within Class “A” and “B” fire rated roof coverings
- FM Certified
- Miami-Dade County Approved
- Cool Roof Rating Council (CRRC) Rated
- Florida Approved

Description

Pro-Grade[®] 586 Fibered Aluminum Roof Coating is a premium fibered aluminum coating that forms a tough, reflective surface. It can decrease air conditioning costs and can lower inside temperatures of buildings, up to 20° F cooler in the summer. NOT TO BE SOLD IN SOUTHERN CALIFORNIA.

Features

- One-coat application – no primer required
- Can be applied in lower temperatures than water-based coatings
- Helps lower interior temperatures as well as energy costs
- Designed to protect roof membranes and extend roof life cycle

Usage

Pro-Grade[®] 586 Fibered Aluminum Roof Coating can be used on low and steep slope roofs to provide protection for newly applied roof assemblies or aged and structurally sound roof systems. Acceptable roof types include smooth asphaltic built-up roofing (BUR), modified bitumen (MB), metal roof, previously coated roofs and asphalt emulsion. It is an excellent choice when concerned with maximizing reflectivity when using an aluminum coating. High quality aluminum pigments are used in a proprietary formulation designed to allow the aluminum pigments to dry in the most optimized pattern, helping to keep the inside of the building cooler, thereby reducing air conditioning costs. It is also used in many Henry[®] Restoration Systems (HRS) which are designed to preserve, protect and restore your current roof membrane vs. doing a costly tear off and reroof. Contact Henry[®] Company for details.

Pro-Grade® 586 Fibered Aluminum 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, and other foreign material that may prevent proper adhesion.

Repair: Carefully inspect area to be coated, including around pipes, chimneys, equipment, roof edges and walls. On asphaltic roofs, repair all cracks, breaks, splits, holes and open seams by embedding polyester fabric or open mesh glass fabric between two heavy coats of roof cement, applied over and at least 2 inches beyond repair. Allow mastic to cure before coating. New galvanized metal and hard-to-clean surfaces such as built-up roof from which the gravel has been removed should be primed with a light coat of asphalt primer, just enough to seal the surface without any build-up of film. On metal roofs, seal all details/flashings and horizontal seams with **Henry® 295 Metal Seam Sealer** or **Henry® 513 Elasto Flashing Compound** with polyester fabric as indicated in the appropriate Henry® Restoration System (HRS) Guide Specification.

Apply: Surface must be clean, dry, and in good repair. Mechanically mix thoroughly before and during application. Apply with good quality, soft bristled brush or commercial grade spray equipment. Apply liberally, brushing in one direction only. Do not lap. Over brushing will interfere with leafing action of the aluminum. Apply to a dry surface. Application to a damp surface will cause this product to appear brown. For newly-applied asphalt emulsion, apply coating as soon as it has cured, normally 1-7 days.

Note: DO NOT APPLY IF THERE IS A THREAT OF RAIN, DEW, OR FROST WITHIN 48 HOURS. Do not heat container or store at temperatures greater than 110° F (43° C). CLOSE AIR INTAKES ON ROOF UNTIL SOLVENTS DISSIPATE! Not for use over plywood, walking decks, gravel, areas with inadequate drainage (e.g. ponding water), EPDM, PVC, Hypalon, or TPO single ply membrane, 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.

Coverage

Minimum coating coverage is 1.5-2.5 gallons/square. 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, see appropriate Henry® Restoration System (HRS) Guide Specifications coating coverage rate requirements by substrate and duration.

Clean-up

Remove coating from tools, etc., with kerosene, paint thinner or mineral spirits. Use care when handling solvents. Clean hands with a waterless hand cleaner.

Packaging

5 Gallon, 50 Gallon

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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