TECHNICAL DATA SHEET

Henry® 869

Rubberized Aluminum Roof Coating

Physical Property	Typical Value	Test Method
Appearance	Black liquid with silver pigment	-
Solids by Weight	50% minimum	ASTM D2824
Solids by Volume	42% minimum	ASTM D2697
VOC	450 g/l maximum	EPA Method 24
Weight per Gallon	8.6–9.4 lbs.	ASTM D2828
Brookfield Viscosity	4,500–7,500 cPs	ASTM D2828
Water Migration Resistance	Pass	ASTM D7281
Tensile Strength Film, Initial	90 psi minimum	ASTM D2370
Elongation, Initial	170% minimum	ASTM D412
Solar Reflectance per CRRC	0.69 initial and 0.50 after 3 years	ASTM C1549
Thermal Emittance per CRRC	0.40 initial and 0.48 after 3 years	ASTM C1371
Solar Reflectance Index (SRI) per CRRC	70 initial and 42 after 3 years	ASTM E1980
Aluminum Content	>9%	-
Water Content	0.3 maximum	-
Flash Point	100 °F (38 °C) minimum	ASTM D3278
Application Temperature (Ambient)	40 °F (4 °C) and rising	-

Approvals and Certifications

- ENERGY STAR® Certified
- Cool Roof Rating Council (CRRC) Rated Product: Product ID# 0620-0043
- Miami-Dade County Approved
- Meets or exceeds ASTM D2824, Standard Specification for Aluminum-Pigmented Asphalt Roof Coatings, Type III
- Meets or exceeds ASTM D7281 Standard Test Method for Determining Water Migration Resistance Through Roof Membranes

Description

Henry® 869 Rubberized Aluminum Roof Coating is a premium, highly reflective, waterproof roof coating made with SBS rubber polymers, which give the coating outstanding strength and elastic properties. It is suitable for commercial, institutional and industrial applications. Its highly reflective properties will extend roof life expectancy by retarding the adverse effects of solar radiation and reducing roof surface temperatures. It also reduces interior building temperatures.

Features

- Save more than $1,800 on cooling costs*
- Two-in-one benefits:
  - Waterproofs
  - Stops rust on metal roofs
- Seals hairline cracks and pinholes
- >65% solar reflectance per ASTM D2824, Type III

Product Size

5 gallon

Usage

- Recoating roofs previously coated with asphalt emulsion or aluminum coatings
- Asphalt roofs, including Built-Up Roofing (BUR) and Modified Bitumen (MB)
- Metal roofs

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Application

Clean: Before coating the roof, use a pressure washer or high pressure nozzle and water hose to wash 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. 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 algae or moss. The most effective method of cleaning algae and moss from a roof is with a 50:50 mix of laundry strength liquid chlorine bleach and water. Apply with a sprayer and allow the solution to dwell on the roof surface for 15 to 20 minutes, and then rinse thoroughly with low pressure water. Extended dwell times may be necessary. However, avoid letting the solution dry completely as this may prevent complete rinsing. Take proper precautions to protect landscaping and surrounding areas from the chlorine bleach solution. Use appropriate personal protective equipment when working with chlorine bleach. In severe cases, it may take more than one bleach treatment to kill all of the moss. Give the roof a final rinse to ensure it is free of all detergent or anything else that could affect adhesion. Allow roof to dry completely before application. Using a leaf blower or broom, clear any remaining dust, dirt, debris or foreign material that may prevent proper adhesion.

Prep: 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® 181** or **183 Roof Repair Fabric** between two heavy coats of **Henry® 209XR**, **208R®** or **208® Wet Patch® Roof Leak Repair**, **Henry® 505 FlashMaster™ Flashing Cement** or **Henry® 204® Plastic Roof Cement**, applied over and at least 2" beyond repair. Allow mastic to cure 30 days before coating. Ensure all drains are clean and clear, and cut back any vegetation that is growing that may cause debris to fall on the roof and clog drains in the future. On metal roofs, remove rust by wire brushing.

Apply: Mechanically mix thoroughly before and during application. Apply to a dry surface. Application to a damp surface will cause this product to appear brown. Can be applied in temperatures ranging from 40 °F to 100 °F (4 °C to 38 °C). 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. Care should be taken to coat at a consistent coverage rate. Failure to continuously mix product before and during use, inconsistent coverage rates or applying in multiple directions hinders the leafing action of the aluminum and may lead to varying shades of color when the product dries.

DO NOT THIN. DO NOT APPLY IF RAIN OR TEMPERATURES BELOW 40 °F (4 °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 110 °F (43 °C). When transporting, make sure the pail is secured and the lid is tight to prevent spills. CLOSE AIR INTAKES ON ROOF UNTIL SOLVENTS DISSIPATE! This coating is not intended for application over rubber or PVC sheet roofs, SPF roofs, silicone coated roofs, shingles of any kind or roofs previously covered with loose or embedded gravel ballast.

Ponding Water: Discoloration is normal and to be expected in ponding water areas. Discoloration of the coating does not hinder its ability to protect the underlying surface and is only cosmetic in nature.

Coverage

Approximately 240-320 square feet per 5 gallon size pail (approximately 100 square feet per 1.5-2.0 gallons). Coverage varies with surface texture. As roof slope increases, coverage rate should be reduced to prevent run off or slippage.

Clean-up

Clean tools with mineral spirits. Clean hands with a waterless hand cleaner.

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. **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 FITNESS FOR A PARTICULAR PURPOSE. MANUFACTURER SHALL HAVE NO LIABILITY OF ANY KIND BEYOND PRODUCT REPLACEMENT, INCLUDING FOR CONSEQUENTIAL, EXEMPLARY OR INCIDENTAL DAMAGES RESULTING FROM ANY DEFECTS OR ANY DELAYS CAUSED BY REPLACEMENT OR OTHERWISE. IF PURCHASER DOES NOT ACCEPT THESE TERMS OF HENRY'S LIMITED WARRANTY, PURCHASER MAY RETURN WITHIN 30-DAYS OF PURCHASE ALL CONTAINERS OR PACKAGES OF PRODUCT PURCHASED FOR A FULL REFUND (PROVIDED THE CONTAINERS OR PACKAGING IS UNOPENED AND LESS SHIPPING CHARGES IF ANY). RETENTION OF PRODUCT BEYOND 30-DAYS FROM PURCHASE, OR USE OF PRODUCT SHALL CONSTITUTE ACCEPTANCE OF HENRY'S LIMITED WARRANTY TERMS, CONDITIONS AND DISCLAIMERS. THIS LIMITED WARRANTY PROVIDES THE PURCHASER'S EXCLUSIVE REMEDY FOR ANY DEFECT IN THE PRODUCT.** To the extent that any part of this LIMITED PRODUCT WARRANTY AND LIABILITY DISCLAIMER is determined unenforceable under the law of the place of purchase of the product, that part is severed and the remainder of these terms remain in full force and effect. To the extent permitted by law, the duration of any implied warranties is limited to the duration of Henry's express warranty.

*Savings calculations are based on a 1,900 square foot building in Tampa, FL using the DOE Cool Roof Calculator, developed by the U.S. Department of Energy's Oak Ridge National Laboratory (Version 1.2): http://www.ornl.gov/sci/roofs+walls/facts/CoolCalcEnergy.htm

- Savings calculations are relative to a black roof.
- Calculations are based on the following input assumptions:
  - 3-year aged solar reflectance and infrared emittance as listed on the CRRC Products Directory: http://coolroofs.org/products/results/search&channel=products/
  - All other input fields are the listed "average" values. "Fuel" energy source for heating is selected, using natural gas and a furnace.
- Savings calculations are based on the above input assumptions, multiplied by the listed product warranty term.
- Savings calculations are hypothetical and based on DOE Cool Roof Calculator modeling only. YOUR ENERGY SAVINGS MAY VARY.

Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary. Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.

For more information, visit www.henry.com or for technical assistance call us at 800-486-1278. Refer to the Safety Data Sheet prior to using this product. The Safety Data Sheet is available at www.henry.com or by emailing Henry® Product Support at productsupport@henry.com or by calling 800-486-1278.