



TECHNICAL DATA SHEET  
**Pro-Grade® Elite 988HS**  
White Silicone Roof Coating

| Physical Property                       | Typical Value               | Test Method          |
|---|-----------------------------|----------------------|
| Appearance                              | Glossy White                | -                    |
| Application Temperature (Ambient)       | 35°F to 120°F (2°C to 49°C) | -                    |
| Color                                   | Bright White                | -                    |
| Durometer Hardness                      | 42 Shore A                  | ASTM D2240           |
| Elongation at break                     | 170%                        | ASTM D412            |
| Flash Point                             | 140.9°F (60.5°C)            | ASTM D93             |
| Flame Spread                            | Class A                     | ASTM E108            |
| Permeability                            | 4.6 perms                   | ASTM E96             |
| Solar Reflectance, Initial              | 0.88                        | ASTM C1549           |
| Solar Reflectance Value (SRI), Initial  | 111                         | -                    |
| Solids Content by Volume                | 92% +/-3                    | ASTM D2369           |
| Tack-Free Time                          | 1-2 Hours                   | -                    |
| Tensile Strength                        | 320 psi                     | ASTM D412            |
| Thermal Emittance, Initial              | 0.88                        | ASTM C1371           |
| VOC Content (maximum)                   | 10 g/l                      | EPA Method 24        |
| Water Absorption                        | 0.0005%                     | ASTM D471            |
| Water Resistance (Hydrostatic Pressure) | 100 psi (min 24 wet mil)    | AATCC 127 (option 1) |
| Water Leakage Resistance                | Pass (≥22 dry mils)         | ASTM D7281           |
| Weathering, Accelerated QUV 5,000 hours | No Degradation              | ASTM G154            |

#### Approvals and Certifications

- Meets or exceeds ASTM D6694 Standard Specification for Liquid-Applied Silicone Coating Used in Spray Polyurethane Foam Roofing Systems.
- Meets or exceeds ASTM D7281 Standard Test Method for Determining Water Migration Resistance through Roof Membranes.
- Excellent fungi resistance ASTM G21 Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi.
- ENERGY STAR® certified.
- Meets the requirements of California Energy Commission (CEC) Title 24 Section 118(i)3.
- Cool Roof Rating Council (CRRC) listed. Product ID# 0620-0036.
- Florida Product Approval.
- FM Rated.
- UL Approved.
- Miami-Dade County, Florida NOA # 14-1217.01; 14-1217.02; 14-1217.03.

#### Description

**Pro-Grade® Elite 988HS Silicone Roof Coating** is a 100% silicone, high solids, solvent-free, one-component, moisture-curing silicone rubber roof coating system for use on existing smooth asphaltic BUR, smooth or granulated cap sheet, single ply roof membrane, well-adhered acrylic coating, metal, sprayed-in-place polyurethane foam and various aged membrane roofing. The system provides long-term weathering protection and resists the effects of ozone, ultraviolet radiation and temperature extremes. With its high solids content and absence of hydrocarbon solvents, **Pro-Grade® Elite 988HS Silicone Roof Coating** can be applied in excess of 50 mils in a single coat without blistering, while maintaining maximum adhesion.

## Pro-Grade® Elite 988HS Silicone Roof Coating

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### Features

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- High solids.
- Solvent-free – VOC compliant.
- Permanent ponding water resistant.
- Rain safe in 15 minutes.
- Saves energy by reflecting heat.
- 100% silicone moisture-cure technology.
- Chemically bonds with roof substrates as it cures.
- Mold and mildew resistant.
- Easy application with roller, brush, or commercial spray equipment.
- Wide temperature performance range: -40°F to +200°F.

### Product Size

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5 GALLON, 55 GALLON

### Shelf Life

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Unopened, 24 months from date of manufacture when stored in a cool, dry, and shaded location.

### Usage

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Coating can be used on many different commercial and residential roof substrates to reflect the sun's heat and UV rays, as well as to help seal and protect the surface. It works well on low slope roofs and suitable for pitched roofs. Acceptable roof types include:

- Spray polyurethane foam (SPF) roofs.
- Metal roofs.
- Recoating previously coated roofs.
- Aged asphalt roofs – including Built-Up Roofing (BUR) and Modified Bitumen (MB) roofs.
- Aged Single Ply Membrane, including EPDM, TPO, PVC, and Hypalon® roofs.

To prevent bleed-through, discoloring and staining over new or aged asphalt materials, BUR and modified bitumen membrane, **Pro-Grade® Elite 966 Epoxy Primer** must be used. On metal roofs, remove all rust and treat with a rust-inhibiting spot primer. Not recommended over shingles of any kind.

Always perform an adhesion test patch over EPDM, TPO, PVC, and Hypalon® and existing coated roofs, and metal roofs. Refer to the Adhesion Test Instructions for more information. If the adhesion test result is not greater than or equal to two pounds, use **Pro-Grade® Elite 211 Silicone Primer** and repeat test.

### Surface Preparation

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**Step 1:** Clean the roof. Using a minimum 2,000 psi pressure washer, use appropriate pressure to wash the roof with a non-filming detergent, such as TSP or TSP substitute. 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. Give the roof a final rinse to ensure it is free of all detergent or anything else that could affect adhesion.

**Step 2:** Prepare the roof. Repair defects, such as splits, cracks, blisters, deteriorated flashing, cracked metal edging, and any other defects affecting the watertightness of the roof. As a preventative measure, it is recommended to seal all penetrations, curbs, flashings, transition areas, areas where dissimilar materials intersect, and other areas that could leak with **Henry Pro-Grade® Elite 700 Silicone Roof Sealant**, **Pro-Grade® Elite 600 Butter Grade Silicone Roof Sealer**, **Pro-Grade® Elite Pitch Pocket & Self-Leveling Sealer** or a 3-course patch with **Pro-Grade® Elite 988HS Silicone Roof Coating** and **Henry 195 Polyester Fabric**. Ensure all drains are clean and clear and cut back any vegetation that may cause debris to fall on the roof and clog drains in the future.

**Step 3:** Prime/Coat the roof. If priming is required to enhance adhesion use **Pro-Grade® Elite 211 Silicone Primer**. To prevent bleed-through, discoloring and staining over new or aged asphalt materials, BUR and modified bitumen membrane, **Pro-Grade® Elite 966 Epoxy Primer** must be used. Coating may be applied by roller, brush or commercial airless spray rig directly to many surfaces that are clean and dry. Spray polyurethane foam (SPF) roofs should be coated within 24 hours of application. Subsequent coats should be applied within 48 hours of the previous coat. On metal roofs, remove all rust and treat with a rust-inhibiting spot primer. Please consult Product Support for specific questions regarding application of this product.

## Coverage

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Coating should be applied at a minimum of 1.5 gallons per 100 square feet on smooth surfaces. Rough surfaces will require more coating to achieve minimum dry film thickness. Dry film thickness (DFT) should be a minimum of 22 mils. See Henry Guide Specifications and Henry Warranty Program documents for coating coverage rate requirements by substrate and warranty duration.

## Application

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Coating should only be applied to a clean, dry, and fully prepared roof substrate as described above. Application at temperatures lower than 50°F (10°C) and less than 35% relative humidity will typically result in slower cure times. The surface temperature must be at least six Fahrenheit degrees or three Celsius degrees above the dew point and rising.

Mix well prior to and during use with a minimum 3/4 horsepower air operated mixer. For 5 gallon containers, use a minimum 3" diameter mixing blade. In drums, use a minimum 6" diameter mixing blade. Containers are packaged to keep latent moisture from prematurely starting the curing process. After opening the container, try to use it up as soon as possible. Keep containers covered and sealed at all times during use, when practical. Coating is a moisture cure product that will draw water molecules out of the atmosphere to cure. Because of this, material left exposed to the atmosphere may form a skin on the surface. If this occurs, simply remove the skin, mix the product, and use the rest. Coating should be applied at approximately a minimum of 1.5 gallons per 100 square feet. Dry film thickness (DFT) should be a minimum of 22 mils. On rougher surfaces, additional coats may be required to get a uniform, consistent thickness over the entire roof surface.

Coating must be evenly applied and pin-hole free. If applying an additional coat, wait a minimum of 2 to 8 hours (but no longer than 48 hours) for each coat to fully cure (dependent on weather conditions, such as temperature and humidity) before applying additional coats. Apply subsequent coats perpendicular in fashion to the previous coat. For example, apply 1<sup>st</sup> coat north and south; apply 2<sup>nd</sup> coat east and west. Polyurethane foam should be coated within 24 hours of application.

Coating may be applied with a 3/4" to 1" nap lint-free, solvent-resistant roller, solvent-resistant brush, or commercial airless spray rig. If spraying, a commercial airless spray rig capable of producing a minimum of 3500 psi at the spray gun tip is required. The pump should have a minimum of 3 gallons per minute output and be fed by a 5:1 transfer pump to prevent cavitation. Always use components rated for pump pressure. Hoses should be Buna-N jacketed for prevention of moisture contamination. Hoses should have a minimum I.D. of 3/4" and an adequate working pressure. The spray gun should be high pressure (5000 psi) with a reverse-a-clean spray tip, having a minimum orifice of 0.030 and a 50° fan tip. Do not use hoses that have been used for acrylics because the liner absorbs moisture and initiates the silicone cure process. Please consult Product Support for specific questions regarding the application of this product.

## Clean-up

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Clean-up of spray equipment containing uncured material may be accomplished by flushing with VM&P Naphtha or mineral spirits. Read solvent Safety Data Sheets before use. Keep cleaning solvents away from all sources of heat, sparks, flame, lighted smoking materials, or any other ignition source. This product cures by reacting with moisture and should not be left in spray guns, pump equipment, and hoses for prolonged periods unless equipment contains moisture lock hoses, fittings, and seals. Equipment without these components will transmit sufficient moisture vapor to gradually form cured material on hose walls and at unsealed connections potentially causing an increase in operating pressure and material flow restriction.

## Precautions

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**Causes skin irritation. Causes serious eye irritation. Before handling, read the Safety Data Sheet for protective equipment and additional safety, health, and environmental information.**

**FOR PROFESSIONAL USE ONLY.  
KEEP OUT OF REACH OF CHILDREN.  
FOR EXTERIOR USE ONLY.  
PLEASE READ THE ENTIRE LABEL.**

DO NOT THIN. Do not apply at temperatures below 35°F (2°C) or if rain is expected within 1 hour of application. The surface temperature must be at least six Fahrenheit degrees or three Celsius degrees above the dew point and rising. When transporting, make sure the pail is secured and the lid is tightly closed to prevent spills. Store in a cool, dry, shaded location. Ensure lid is completely sealed.

## **Pro-Grade® Elite 988HS Silicone Roof Coating**

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This product is not recommended for interior use. Building occupants should be warned of spray operations in process. Installers should exercise caution during spray processes to avoid falls caused by stepping into slippery wet coating. Installers should read and understand all technical and informational literature on this product, prior to use of the product.

**Employers** should obtain a copy of the **Safety Data Sheet (SDS)** from your supplier or at the toll free number below

### **Limited Product Warranty and Liability Disclaimer**

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Many factors affect the results obtained from this product – such as weather, workmanship, equipment utilized, and prior condition of the substrate – and these are all beyond our control. We, the manufacturer, warrant only that we will replace, at no charge, any product proved to have a material defect in original manufacturing within the life of the existing roof, provided the product 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 CONDITIONS/WARRANTIES AND LIMITATION OF LIABILITY: THIS LIMITED WARRANTY IS IN LIEU OF ANY OTHER CONDITIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED CONDITION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. NO ONE, INCLUDING THE MANUFACTURER, SHALL HAVE ANY LIABILITY OF ANY KIND, INCLUDING FOR NEGLIGENCE OR FOR DIRECT, CONSEQUENTIAL, EXEMPLARY OR INCIDENTAL DAMAGES, RESULTING FROM ANY MISUSE, DEFECTS, ANY DELAYS CAUSED BY REPLACEMENT, OR OTHERWISE BEYOND PRODUCT REPLACEMENT. IF PURCHASER DOES NOT ACCEPT THESE TERMS, PURCHASER MAY RETURN ALL CONTAINERS OR PACKAGES OF PRODUCT PURCHASED FOR A FULL REFUND WITHIN 30-DAYS OF PURCHASE. RETENTION OF PRODUCT BEYOND 30-DAYS, OR USE OF PRODUCT SHALL CONSTITUTE ACCEPTANCE OF THESE TERMS, CONDITIONS, AND DISCLAIMERS. THIS LIMITED WARRANTY AND LIABILITY DISCLAIMER PROVIDES THE PURCHASER'S EXCLUSIVE REMEDY, FROM ANYONE, FOR ANYTHING RELATING TO 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 conditions or warranties is limited to the duration of Henry's express warranty.

### **STATEMENT OF RESPONSIBILITY**

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