



TECHNICAL DATA SHEET  
**Pro-Grade<sup>®</sup> 285**  
Acrylic Elastomeric Coating

Physical Property	Typical Value	Test Method
Appearance	White, fluid	-
Elongation, Initial	>240%	ASTM D2370
Elongation, after 1000 Hours Aging	>155%	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	>58-62%	ASTM D2697
Tear Resistance	>80 lbf/in	ASTM D624
Tensile Strength, Initial	>270 psi	ASTM D2370
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	11.3-11.7 lbs.	ASTM D1475
Solar Reflectance, Initial	0.86*	ASTM C1549
Solar Reflectance, 3 Yr.	0.69*	ASTM C1549
Thermal Emittance, Initial	0.90*	ASTM C1549
Thermal Emittance, 3 Yr.	0.91*	ASTM C1549
Solar Reflectance Index (SRI), Initial	109*	ASTM E1980
Solar Reflectance Index (SRI), Initial	85*	ASTM E1980

\* Applies to Pro-Grade<sup>®</sup> 285 *White* only

### Approvals and Certifications

- Meets ASTM D6083 - Standard Specification for Liquid Applied Acrylic Coating Used in Roofing
- ENERGY STAR<sup>®</sup> Certified
- Meets the requirements of California Energy Commission (CEC) Title 24 Section 118(i)3
- Cool Roof Rating Council (CRRC) Rated
- FM Certified
- UL Certified as a component within Class "A" and "B" fire rated roof coverings
- Meets ICC-ES-ESR-2132

### Description

**Pro-Grade<sup>®</sup> 285 Acrylic Elastomeric Coating** is an exceptional quality, elastomeric coating, specially formulated to coat over spray polyurethane foam roofing. Made with premium 100% acrylic resin, it offers premium performance compared to other coatings made with styrene acrylic resins.

### Usage

**Pro-Grade<sup>®</sup> 285** is used as a protective surfacing coating for new and previously coated polyurethane foam roofs.

### Application

Refer to Guide Specifications for detailed application information. For previously coated substrates, apply a test patch of **Pro-Grade<sup>®</sup> 285** coating and check for positive adhesion prior to coating roof.

**Clean:** Surface must be clean and in good repair. Sweep and power wash area to remove all dust, dirt, loose granules and residues. Scrub areas where water ponds with detergent and water, and rinse well.

## Pro-Grade® 285 Acrylic Elastomeric Coating

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**Repair:** 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® 296 ElastoTape** between 2 heavy coats of **Henry® 289 White Roof Sealant** at least 3 inches beyond repair. Allow to completely cure. **Henry® 289** can usually be coated within a couple hours, after the surface forms a skin which will accept the coating.

**NOTE:** Roofs must have proper drainage and not pond water. For older, low-slope roofs where depressions pond water for more than 48 hours, it is recommended to provide positive slope in those areas and eliminate ponding.

DO NOT APPLY IF THERE IS A THREAT OF RAIN, FOG, DEW, OR TEMPERATURES BELOW 50°F WITHIN 48-72 HOURS. Do not heat container or store at temperatures greater than 120°F. 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.

**Apply:** Choose a warm, sunny day – the roof surface should be warm to the touch. If the roof surface is too hot to touch (140° F+), it is too hot to coat. Apply to a clean, dry surface. Do not dilute. Stir coating to a uniform consistency, and apply by heavy-duty spray, deep-pile paint roller, or 4-knot brush. Back-roll coating when sprayed. When applied by brush or roller, keep strokes in one direction. The coating is water based and requires complete evaporation of water to cure. The coating should not be applied if climate condition will prohibit cure. Application in the late afternoon with a high probability of overnight moisture condensation is to be avoided. Schedule work so that the coating can dry before nightfall. Allow to dry thoroughly between coats. Apply each additional coat in a perpendicular direction to the previous coat. Recommended spray application settings are 1000-1500psi, 1.0-2.0GPM with a suggested tip size of .030-.040. Pressure requirements will vary based on temperature and hose size.

**Service Temperature Range:** -20° F to 160° F (-29° C to 71° C)

**Drying Time at 24 wet mils @ 77° F (25° C) and 50% R.H.:**

Dry to Touch	4 hours	ASTM D1640-69, 5.4
Dry Through	12 hours	ASTM D1640-69, 5.6
Dry-to-Recoat	12-24 hours	ASTM D1640-69, 5.7

### Coverage

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Minimum coating coverage is 3.0 gallons/square to be applied in two coats at a maximum of 1.5 gallons/square. Additional coats at a maximum of 1.5 gallons/square may be applied. Apply each coat in a perpendicular direction to the previous coat. 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

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

### Packaging

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55 Gallon

### Colors

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White, Light Gray, Dark Gray, Tan

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