

# ACRI-GEL 57

## General Purpose All Acrylic Elastomeric Roof Coating

For Professional Use Only



- A high quality, plasticizer free, single component, water-based, 100% acrylic elastomeric coating for spray application. Can be sprayed up to 6 gal/sq on verticle surface with no mudcracking or dripping.
- Designed to provide a long lasting flexible membrane that will retain this flexibility even in the harshest climatic conditions. Can handle dew after 30 min regardless of thickness sprayed.
- Formulated utilizing specialized pigments and biocides to provide maximum UV resistance and minimize discoloration from dirt accumulation. Unique rheology provides a very gelled but sprayable coating.
- Has excellent adhesion to most surfaces including metal, most single-ply roofs, wood and concrete.
- Has the unique ability to "breath", providing a completely watertight membrane while allowing trapped moisture to escape.

### RECOMMENDED USES

**Acri-Gel 5C** is designed as a protective membrane for most roofing surfaces including galvanized metal, concrete, PVC, Hypalon, EPDM, polyurethane foam and primed smooth and granulated asphaltic surfaces. Check with your Proguard representative for primer recommendations.

<b>Volume solids</b>	<b>ASTM D-1653</b>	<b>55.0 +2%</b>
<b>Weight Solids</b>	<b>ASTM D-1644</b>	<b>65.4 +2%</b>
<b>Tensile Strength</b>	<b>ASTM D-2370</b>	<b>273 +20 PSI</b>
<b>Elongation</b>	<b>ASTM D-2370</b>	<b>&amp;+) +20%</b>
<b>Permeability</b>	<b>ASTM D-1653</b>	<b>14 +3</b>
<b>Tear Resistance</b>	<b>ASTM D-624</b>	<b>95 +3 PSI</b>
<b>VOC</b>	<b>EPA Method 24</b>	<b>&lt; 50 g Liter</b>
<b>Low temperature Flexibility (-15', 1/2 in mandrel, 1000hrs weathering)</b>		<b>Pass</b>
<b>Hardness (Shore A)</b>	<b>ASTM D-2240</b>	<b>50 - 55</b>
<b>Reflectivity</b>	<b>ASTM C-1549</b>	<b>86%</b>
<b>Emittance</b>	<b>ASTM C-1371</b>	<b>.90</b>
<b>SRI</b>	<b>Calculated</b>	<b>107</b>
<b>Viscosity</b>		<b>190 KU</b>
<b>Density</b>		<b>11.9 lbs per gallon</b>
<b>Flashpoint</b>		<b>None</b>
<b>Shelf Life</b>		<b>12 months (Unopened)</b>
<b>Clean Up</b>		<b>Water</b>

\* Meets Requirements for ASTM D6083 Acrylic Elastomeric Roof Coating

### COLORS

Standard Colors: White, Gray and Tan  
 Custom Colors are available for an additional charge.

### PACKAGING/SHIPPING INFORMATION

CONTAINER SIZE	SHIPPING CLASS
55 Gallon drum (208.2 liters)	Class 55
5 Gallon pail (18.9 liters)	Class 55

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TECHNICAL DATA SHEET



## General Purpose All Acrylic Elastomeric Roof Coating

### SURFACE PREPARATION

**General:** Surfaces to be coated should be dry, free of dust, dirt, oil, loose granules, gravel, peeling coating and other foreign matter. All wet insulation or foam should be removed and replaced with like materials.

For optimal results power wash all surfaces with a minimum of 2000 psi using a wide fan tip. All necessary precautions should be taken to avoid damage to the roof system. Mildew should be treated with a bleach solution (1 part bleach, 2 parts water) and rinsed thoroughly. Patch and repair cracks or holes with appropriate sealants or caulking materials.

**Masonry:** Allow fresh masonry to cure a minimum of 30 days, prime with Proguard GP.

**Metal:** Rusty metal must be cleaned with a wire brush and primed with Proguard Metal.

**EPDM:** Prime with Proguard EP primer/cleaner, ensure no primer residue remains.

**PVC, Hypalon, aged TPO:** Prime with Proguard SP.

**Polyurethane foam:** Apply directly (must be coated within 24 hours of installation).

**Granulated Asphalt:** Base coat with Proguard BB

**Smooth Asphalt:** Base coat with Proguard BB

**Other:** For other substrates refer to the Proguard Primer Recommendation table.

### APPLICATION

This product may be brushed, rolled or sprayed on a clean, dry surface. For details see Equipment Recommendations at the end of this sheet. If sprayed, material should be at least 75°F. Before applying additional coat, the previous coat must be completely dry and cured. If any contamination is present on the cured surface it must be washed and completely dry before application of subsequent coats.

### Application Properties

<b>Yield (1 gal to 100 sq ft)</b>	<b>8.8 dry mils</b>
<b>Dry Time (75° F)</b>	<b>90 mins @ 50% humidity</b>
<b>Recoat Window</b>	<b>&gt;6 hrs</b>
<b>Complete Cure</b>	<b>30 days</b>

### COVERAGE RATE

Apply Acri-Gel AC at the rate of 1.5 - 6 gal/sq (24-96 wet mils). Surface texture and wind will affect applied mil thickness.

### ENVIRONMENTAL CONDITIONS

This product cures by water evaporation only. Product must not be applied when the ambient temperature is below 50°F or if there is any possibility it could fall below 32°F within 24 hours of application. Application is not recommended if rain or dew is likely to occur before product dries. Acri-Gel will not wash off if it has a chance for the gel to reform (approximately 30 min.).

### PONDED WATER

- Proguard warranties do not cover damage due to ponding water.
- The National Roofing Contractors Association considers ponding water on any roof unacceptable. (See the NRCA Roofing and Waterproofing Manual).

### LIMITATIONS

Surface must be clean and dry. Application is not recommended on roofs with slopes less than 1/8 in 12 or where ponded water is present. Do not apply over wet substrates or when inclement weather is imminent. Complete cure of Acri-Gel AC requires complete evaporation of water. Cool temperatures and high humidity retard cure. In addition, this product is not recommended for use without a vapor barrier in cryogenic tank or cold storage roofing applications. It is not intended for use as a thermal barrier.

### SAFE PRACTICES

This product is designed for professional installation. Before working with this product, you must read and become familiar with the available information on its risks, proper use and handling. Information sources include but are not limited to MSDS and product labels. More resources are available at polyurethane.org, sprayfoam.org, or by contacting Proguard Building directly.

### EQUIPMENT

Minimum requirements:

#### Brush

- Synthetic filament

#### Spray

- 30:1 fluid to air ratio capable pump
- 2 1/2 gallons or more per minute (continuous)
- Filter screen 30 mesh or larger
- Hose rated to 2x maximum pump pressure
- Hose lining should be compatible with coating and required cleanout materials
- Hose lengths: (Largest diameter at pump)
  - 3/8 minimum 6 ft wip
  - 3/8 minimum I.D. up to 75 feet
  - 1/2 minimum I.D. up to 200 feet
  - 3/4 minimum I.D. over 200 feet
- Spray gun: Graco Hydra Mastic or equivalent
- Spray Tip:
  - Reversible self-cleaning type
  - Orifice size of .027 to .039
  - Fan angle of 40° to 50°
- Always use components rated for pump pressures.