



# ACRI-GEL AC 2300

## Technical Data Sheet

For Professional Use Only

## General Purpose Acrylic Elastomeric Roof Coating

### Recommended Uses

Acri-Gel AC 2300 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.

### Description

- A high quality, plasticizer free, water-based, 100% acrylic elastomeric coating for spray application. Can be sprayed up to 6 gallon/SQ on flat and vertical surfaces 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 minutes regardless of the thickness sprayed
- Formulated utilizing specialized pigments and biocides to provide maximum UV resistance and minimize discoloration from dirt accumulation.
- Has excellent adhesion to most surfaces including metal, most single-ply roofs, wood and concrete
- Has the unique ability to “breathe”, providing a completely watertight membrane while allowing trapped moisture to escape.

### Colors

**Standard Colors:** WHITE, GRAY, and TAN - Custom Colors available for additional charge

### Packing/Shipping Information

**CONTAINER SIZES:**

55 Gallon Drum (208.2 liters)

5 Gallon Pail (18.9 liters)

SHIPPING CLASS - 55

## Typical Properties

Property	Test Method	Results
Volume Solids	ASTM D-1653	55 +/- 2%
Weight Solids	ASTM D-1644	65 +/- 2%
Tensile Strength	ASTM D-2370	273 PSI +/- 25
Tear Resistance	ASTM D-624	95 +/- 3 PSI
VOC	EPA Method 24	< 50G Liter
Permeance	ASTM D-1653	14 +/- 3 Perms
Hardness (Shore A)	ASTM D-2240	50 - 55
Reflectivity	ASTM C-1549	86%
Emittance	ASTM C-1371	.90
SRI	Calculated	107
Viscosity		190 KU
Elongation	ASTM D-2370	275% +/- 20%
Density	EPA A Method 24	11.9 lbs per Gallon
Flashpoint		None
Temperature Limit		0 F to 185 F
Low Temp Flexibility	ASTM D-522	Passes 180 Flex over 1/2 Mandrel @ 15*F
Storage Stability		Unopened container stored between 40* F to 110* F
Shelf Life		12 Months (unopened)

## Surface Preparation

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

**Masonry:** Allow fresh masonry to cure a minimum of 30 days, prime with ProRoof 1500 CS Concrete Primer.

**Metal:** Rusty metal must be cleaned with a wire brush and primed with ProRoof 1400 Metal Primer.

**EPDM:** Primer/Clean surface with ProRoof 1200 EPDM Wash. Ensure no primer residue remains when washing off.

**PVC, Hypalon, aged TPO:** Clean surface thoroughly and then prime with ProRoof 1700 SP Primer.

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

**Smooth & Granulated Asphalt:** Base coat with ProRoof 2050 BleedBlock

**Other:** For other substrates refer to a Proguard Building representative.

**Environmental Conditions:** This product cures by water evaporation only. The product must not be applied when the ambient temperature is below 32\* F within 24 hours of application. Application is not recommended if rain or dew is likely to occur before the product dries. In high humidity conditions, late afternoon applications should be avoided as overnight dew formation on an uncured surface can cause coating wash-off. Do not apply when the dew point is to close to the temperature.

**Limitations:** The surface must be clean and dry. Application is not recommended where ponded water is present. Do not apply over wet substrates or when inclement weather is imminent. Complete cure of Acri-Seal 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.

**Ponded Water:** Proguard warranties do not cover damage due to ponding water. The National Roofing Contractors Association considers ponding water on any roof unacceptable.

## Applications

This product may be sprayed or brushed 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.

### Applications Properties:

Yield (1gal to 100 sq ft)	16 Wet Mils = 8.8 Dry Mils
Dry Time (75* F 50% humidity) @ 16 Wet Mils	90 Minutes @ 50% Humidity
Recoat Window	> 6 hours
Complete Cure Time	30 Days

## Coverage Rate:

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

## 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 6ft whip
  - 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

## Safe Practices

The 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 not limited to, SDS and product labels. More resources are available at [proguardbuilding.com](http://proguardbuilding.com) or by contacting Proguard Building directly.

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