



# Technical Data Sheet

## Ames Premium Roof Armor®

### Stock Code

PRA Series

### Packaging Information

- 5 Gallon Pail
- 55 Gallon Drum
- 250 Gallon Tote

### Characteristics

Ames Premium Roof Armor® is a 100% Acrylic Elastomeric Roof coating with superior dirt pick up resistance (DPR) for the longest lasting reflectivity. Ames Premium Roof Armor has excellent resistance to fungi, mold, and mildew. Suitable for use on galvanized steel, spray polyurethane foam, and other substrates. Low VOC and ASTM D6083, CRRC rated. Miami Dade County and Florida Building Code approved.

VOLUME SOLIDS	51±2%
WEIGHT SOLIDS	65±2%
WEIGHT PER GALLON	11.75
ADHESION TO VARIOUS SUBSTRATES	Galvanized Steel, SPUF
COLOR	Reflective White
COVERAGE	1 gallon per 80 sq. ft. (10 DFT per coat)
DRY FILM THICKNESS	Minimum: 20 DFT Best: 30 DFT based on testing
DRY TIME	TBD
CURE TIME	Full cure in 7- 10 days
ELONGATION	ASTM D 2370 296%
ELONGATION 1000 HOUR WEATHERING	ASTM D 2370 171%
TENSILE STRENGTH	ASTM D 2370 225 PSI
FINISH	Flat
FLASH POINT	>200°F
EMITTANCE	0.90   Rapid Ratings* 0.91
REFLECTANCE %	87%   Rapid Ratings* 86%
REFLECTANCE % AFTER 3 YEARS	Pending weathering (Atlas) 36 months
SRI	110   Rapid Ratings* 107
MOLD & MILDEW RESISTANCE	ASTM G21 Zero Growth
PH AS SHIPPED	8.5-9.5
SHELF LIFE	24 Months Unopened
TEAR RESISTANCE	ASTM D 624 84 lbs./in
V.O.C CONTENT	10g/l
PERMEANCE	ASTM D 1653 Method B ≤ 50 PASS
VEHICLE TYPE	Acrylic
VISCOSITY	ASTM D 2196 Brookfield Spindle #4 @ 6 RPM 15000 CPS
LOW TEMPERATURE FLEXIBILITY	ASTM D 522 Pass – 10 C@ ½ inch bend
ACCELERATED WEATHERING 1000 HRS	ASTM D 4798 Pass-no cracking or checking
WATER SWELLING	ASTM D 471 < @ 20% Pass

### Compliance

CRRC	RATED Yes/ Rapid Rating*
MIAMI DADE COUNTY	NOA – NO. 22-0729.03
FLORIDA BUILDING CODE	FL41632
ASTM D 6083	Yes
AIM & OTC	Yes
CARB	Yes
CARB SCM 2007	Yes
SCAQMD	Yes
LEED® V4 & V4.1 EMISSIONS	Yes
LEED® V4 & V4.1 VOC	Yes
TITLE 24 COMPLIANT	Yes

### Surface Preparation

- Surface must be pressured washed to remove all contaminants, chalk, loose paint, rust, debris, and other foreign matter that can impede adhesion
- Surface must be totally dry before coating

### Application Methods

Apply between 50° - 90° F on a warm dry surface. Surface temperature must be 5° F higher than the dew point and rising.

- **Brush:** Nylon/polyester
- **Roller:** ¾" - 1½" nap nylon/polyester
- **Sprayer:** Airless - 1.5 - 2.0 gallons per minute @ 2500- 3000 PSI 629 - 633 tip size. Hose ¾" – ½" at gun. 40 mesh machine filter

### Application Instructions

Review product Technical Data Sheet before proceeding. Conduct a test patch to ensure proper adhesion.

Ames Premium Roof Armor™ should be applied on a properly and adequately drained roof and the roof surface must be clean, dry and in savable condition. Some areas may require periodic preventative maintenance. Ames Research Laboratories Technical Service Representatives are available to assist in determining the correct Ames Premium Roof Armor™ Roof System for your specific roof. All specifications are suggestions only.

- Spray or pour out Premium Roof Armor onto surface. Spread in 1- or 2-gallon increments if applying by squeegee, push broom or roller
- Even up the coating application with a roller as needed to maintain a uniform thickness
- Work on manageable sections of roof allowing you time to properly apply the materials prior to materials beginning to dry
- If spraying it may be advantageous to back roll through the first coat during application to infill rough surfaces. Always contact Technical Service Department with questions.

### Spray Application

- Airless Equipment sizing should have a flow rate of 1.5 – 2.0 GPM, 2500 to 3000 PSI, Heavy Duty Reverse-clean tip (without diffuser pin) sizes 629 (12" fan .029 orifice size) to 633 (12" fan .033 orifice size). Hose size ¾" reduced to ½" before connection to gun swivel.
- If airless has a machine filter in addition to the intake rock screen we recommend either a 40-mesh filter or temporarily removing the machine filter cartridge altogether.
- Airless equipment should be cleaned after use without delay

### Disclaimer

The information and specifications set forth in this Technical Data Sheet are based on tests conducted by or on behalf of Ames Research Laboratories, Inc. All information is subject to change and pertains to the product available at time of publication. Please contact Ames Research Laboratories to receive the most recent Technical Data Sheet.

### Clean-up, Storage & Disposal

- Clean up application equipment, tools, spills, hands immediately after use with water
- Store unused product in the original container tightly sealed
- Dispose of this product in accordance with local, state, or federal requirements
- Protect from freezing

### Cautions

- Do not take internally
- Keep out of reach of children
- Avoid contact with skin and eyes
- Use hand and eye protection when using this product
- Wash with soap and water after contact with skin. If eye-contact occurs rinse with clean water and seek medical advice if symptoms continue

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