



## KOOL-ARMOR™ BRIGHT WHITE ELASTOMERIC ROOF COATING DATA SHEET

**COMPLIANCE:** CRR. Title 24.

**DESCRIPTION:** APOC® 246 KOOL-ARMOR™ Bright White Elastomeric Roof Coating is a highly flexible and reflective 12 year white acrylic roof coating. This product resists cracking and peeling while reflecting heat and UV rays away from roof surfaces to extend roof life. By reducing heat build-up and heat transfer, temperatures and thermal shock are greatly reduced which helps prevent cracks, splits and other roof damage. The elastomeric properties of APOC 246 allow for expansion and contraction with roof movements, extending roof life and reducing maintenance costs. Additionally, the reflective properties of APOC 246 drastically reduce rooftop temperatures, helping to reduce heat transfer into your home or building which can assist in reducing energy consumption and lower cooling costs. Note: Make all repairs before applying coating.

**PREPARATION:** Download the APOC APP for detailed installation instructions, videos, tips and specifications. Completely read all application instructions and check weather conditions prior to starting any work. All surfaces must be completely clean, dry, have proper drainage and be free of surface rust, dust and any other foreign matter or debris. Rusty metal must be cleaned with a wire brush and primed with APOC 291 or rust converting primer before application of this product. Surfaces with mildew growth or stains must be cleaned with a bleach solution (2 parts water to one-part bleach) prior to applying this product. Rinse thoroughly. Pressure washing entire surface is recommended (use only a wide fan tip - do not allow stream to tear into roof surface). Repair all leaks and cracks BEFORE applying any coating. Make repairs with polyester reinforcing fabric and APOC 264 Flash N' Seal® or use APOC Incredible® Fleece-Top® Tape as an alternate repair. Allow repair to cure according to product directions before application of roof coating. Surfaces previously coated with aluminum, asphalt or tar should be allowed to cure for a minimum of one summer season prior to coating. Do not heat or thin. DO NOT APPLY WHEN RAIN OR HEAVY DEW IS EXPECTED WITHIN 24 HOURS OF APPLICATION COMPLETION.

**FALL PROTECTION WARNING:** Always use personal fall protection devices and follow procedures in accordance with OSHA and local regulatory requirements when walking or working on roofs. Use safety equipment such as tie-offs, safety lines, body harnesses, toe boards and ladders. Dusty, damp or wet conditions, as well as certain shoes can result in slippery surfaces and create a fall hazard. Always be cognizant of where you are in relation to your surroundings including but not limited to: the edge of the roof, any projections, skylights and any other objects which could cause you to slip or fall. Falling from a roof can result in serious harm or death.

**APPLICATION:** For exterior use only. Protective clothing, gloves, and eyewear should be used during application of this product. Always apply on a clear, warm sunny day. Apply in morning hours to allow maximum cure time. Application should be completed a minimum of 4 hours prior to sunset. Temperatures must be above 55 °F (for 24 hours) and rising, but not above 110 °F. Apply with a 3/4" nap exterior paint roller or professional airless sprayer. First, apply one coat over all seams and joints. Allow to cure for one hour or until dry, then apply two (2) uniform coats, avoiding excessive rolling. Two coats are required for all applications. Dries for recoat in 4 - 6 hours and fully cures in 24 - 36 hours at 70 °F & 50% relative humidity. Higher humidity, thicker films, poor air flow and lower temperatures will increase dry times. For EPDM, TPO, PVC or other rubber/synthetic surfaces, complete pull test prior to application. A primer may be required. Contact APOC for specifications and requirements. If roof contains areas where water gathers, apply an extra base layer of coating and reinforce with a layer of Polyester reinforcement. Not recommended for ponding water conditions where poor drainage exists.

**SPRAY INFO:** 2000 - 3000 PSI, .030 - .041 Tip Size, 1 - 3 GPM.

**COVERAGE RATE:** 1.5 gallons per 100 sq. ft., per coat. See application instructions.

**NOTE:** If roof becomes hot (over 100 °F) during application, lightly mist roof surface with water spray to prevent coating from drying too fast. Remove any excess or puddling water prior to coating. If roof surfaces become soiled as they age, elastomeric can be cleaned with a mild water and bleach solution. Excessive scrubbing should be avoided. If roof surfaces become soiled as they age, due to the elements, Elastomeric can be cleaned with a mild water and bleach solution. Excessive scrubbing should be avoided.

**CLEAN-UP:** Clean tools with soap and water.

©2018 Gardner-Gibson, Inc.  
Manufactured by / Fabricado por:  
Gardner-Gibson, Inc.  
P.O. Box 5449, Tampa, FL 33675

See SDS for more info

### TYPICAL PHYSICAL & PERFORMANCE CHARACTERISTICS:

Weight Per Gallon	10 lbs.
Solids by Weight*	53%
Solids by Volume*	44%
Viscosity (ASTM D2697)	120-125 ku
Elongation (ASTM D562)	275%
Tensile Strength (ASTM D2370)	250 psi
Reflectivity (ASTM C1549)	.87 (Initial) .76 (3 yr.)
LEED Emissivity (ASTM E408)	.93 (Initial)
CRR. Emissivity (ASTM C1371)	.90 (Initial) .90 (3 yr.)
LEED SRI (Oak Ridge Calculator)	110
Permeability (ASTM D1653)	< 10 perms
Adhesion to Polyurethane Foam	good
Consistency	Brush, spray or roller
Skin Time (50% Relative Humidity, 70 °F)	4 hours
Full Cure (50% Relative Humidity, 70 °F)	24 - 36 hours
Application Temperatures	55 °F and rising
Flammability	N/A (water-based)
Clean-up Tools	Soap and warm water

NOTE: Percentages listed are + or - 5%

### Approx. Shipping Weights: (Note: All approx. weights include container)

1 gallon (3.1L)	10 lbs.
(4) 1 gallon containers/case	40 lbs.
5 gallons (18.9L)	50 lbs.
55 gallon drum (208.2L)	550 lbs.
275 gallon tote (1,039.5L)	2750 lbs.

### VOC: <50 g/L (regulatory)

**HANDLING PRECAUTIONS:** Store product in the cargo area of vehicle, and secure on top of 6 mil plastic sheeting to prevent damage due to accidental spills or loosening of lids. Product safety information required for safe use is not included. Before handling, read product safety data sheets and container labels for safe use and for physical and health hazard information. Safety Data Sheets are available on the APOC website at [www.apoc.com](http://www.apoc.com), the APOC APP, by contacting APOC at [technicalinfo@apoc.com](mailto:technicalinfo@apoc.com) or calling (813) 248-2101.

**LIMITED WARRANTY AND DISCLAIMER:** To the best of our knowledge, the technical data contained herein is true and accurate at the date of issuance and is subject to change without prior notice. User must contact APOC to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied.

APOC Roofing Systems, Inc. (herein "APOC") hereby warrants to the original purchaser, contingent upon original proof of purchase, that this product will be free from any and all manufacturing defects that may materially and adversely affect the product's performance for a period of one (1) year from the date of original purchase ("Warranty Period"). Product must be applied in accordance with the proper application procedures, and for the intended use as stated on the label. Proper preparation and drying conditions must be observed to achieve correct results. Should a manufacturing defect materially and adversely affect this product's performance, APOC shall, within its sole discretion and upon receipt of Purchaser's timely written notice within the Warranty Period, provide replacement product(s) or refund the purchase price of the defective product. THIS LIMITED WARRANTY IS PURCHASER'S SOLE AND EXCLUSIVE WARRANTY AND REPLACES ALL OTHER WARRANTIES, CONDITIONS, REPRESENTATIONS AND GUARANTEES, WHETHER EXPRESS OR IMPLIED, WHETHER BY STATUTE, AT LAW OR IN EQUITY, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. This limited warranty does not cover labor or installation costs, water damage, consequential damages or incidental damages. Under no circumstances will APOC be liable for any amount in excess of the product purchase price. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Direct all warranty claims in writing along with original proof of purchase to APOC, c/o Warranty Claims Department, P.O. Box 5449, Tampa, FL 33675. The exclusive venue for any legal action arising out of the purchase of this product or this warranty shall be had in a court of competent jurisdiction within Hillsborough County, Florida. Florida law shall govern. For additional Limited Warranty information, visit [www.apoc.com/pages/warranty](http://www.apoc.com/pages/warranty).

**LIMITED EXTENDED WARRANTY ELIGIBILITY REQUIREMENTS:** For information and eligibility requirements for APOC Roof Systems, Corp. ("APOC") LIMITED EXTENDED WARRANTIES, visit [www.apoc.com/pages/extendedwarranty](http://www.apoc.com/pages/extendedwarranty). EXTENDED WARRANTIES vary by product and application rates and are not available for all products.

