



SUN-SHIELD WHITE REFLECTIVE ROOF COATING Data Sheet

COMPLIANCE: CRRC. Title 24. Energy Star. ASBESTOS FREE. California products meet Los Angeles County A.P.C.D. (Rule #102).

DESCRIPTION: APOC® 247 Sun-Shield White Reflective Roof Coating is a flexible, white acrylic roof coating. This product resists cracking and peeling while extending the life of the roofing substrate. It expands and contracts with the roofs movements to resist damage. This coating also provides a protective barrier which reflects the suns heat and destructive UV rays. In turn, this helps to cool surfaces and leads to a reduction of roof temperatures. APOC® 247 expands and contracts up to 275% and provides good adhesion to a variety of roofing substrates.

PREPARATION: All surfaces must be dry and free of dust, dirt, oil, loose granules, gravel, peeling paint and all other foreign matter. Rusty metal must be cleaned with a wire brush and primed with APOC® 250 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 for best results (use only a wide fan tip - do not allow stream to tear into roof surface). Repair all leaks and cracks with Polyester Reinforcing Fabric and APOC® 260 White Roof Patch. Allow to cure 24-36 hours 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 with this product. Do not heat or thin. DO NOT APPLY WHEN RAIN OR HEAVY DEW IS EXPECTED WITHIN 24 HOURS OF APPLICATION COMPLETION.

FOR BEST RESULTS: Apply prime coat of APOC® 300 or APOC® 337.

APPLICATION: For exterior use only. Protective clothing 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 over entire surface, avoiding excessive rolling. Two full coats are needed for all applications. Dries for recoat in 4 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. Coverage rate is 1 1/2 gallons per square, per coat. Two coats are required for a total application of 3 gallons per square.

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

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, due to the elements, Elastomeric can be cleaned with a mild water and bleach solution. Excessive scrubbing should be avoided. If color tinting is desired, a typical addition of 3-4 ounces per gallon of Universal colorant can be added, which will result in light pastel colors. Color tinting will disclaim warranty.

PRECAUTIONS: Do not store at temperatures below 50°. Keep closed when not in use. When transporting this product, ensure that lid is tight and pail secured. Do not allow pail to tumble as this may cause lid to loosen and leakage to occur. Do not transport on passenger seats or inside the passenger compartment of any vehicle. Store product in the cargo area of vehicle, and secure over protective cloths to prevent damage due to accidental spills. The manufacturer also disclaims liability for flat surface application where poor drainage or ponding of water may prevail. Do not reuse empty container. Dispose of in an environmentally acceptable manner. Do not use in drinking water or food systems. Seal container when not in use.

CLEAN-UP: Clean tools with soap and water.

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See MSDS for more info

TYPICAL PHYSICAL & PERFORMANCE CHARACTERISTICS

Weight Per Gallon	11.42 lbs.
Solids by Weight*	62%
Solids by Volume*	50%
Viscosity (ASTM D-2697)	110-140 ku
Elongation (ASTM D-562)	275%
Tensile Strength (ASTM D-2370)	250 psi
Reflectivity (ASTM C-1549)	.87 (Initial) Pending (3 yr.)
LEED Emissivity (ASTM E-408)	.93 (Initial)
CRRC Emissivity (ASTM C-1371)	.90 (Initial) Pending (3 yr.)
LEED SRI (Oak Ridge Calculator)	110
Permeability (ASTM D-1653)	< 20 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° and rising
Flammability	N/A (water-based)
Clean-up Tools	Soap and warm water

*NOTE: Percentages listed are + or - 3%

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

1 gallon (3.1L)	12.3 lbs.
(4) 1 gallon containers/case	52 lbs.
5 gallons (18.9L)	62 lbs.
55 drums (208.2L)	672 lbs.
275 gallon tote (1,039.5L)	3,200 lbs.

CAUTION!: HARMFUL OR FATAL IF SWALLOWED. EYE, SKIN AND RESPIRATORY IRRITANT.

If swallowed DO NOT induce vomiting. Call physician immediately. In case of: Eye contact - flush with large amounts of room temperature water for 15 minutes. Skin contact- wash thoroughly with soap and water. Irregular or stopped breathing- administer oxygen, give artificial respiration. Get medical attention (immediately). Avoid prolonged breathing of vapor or spray mist. (NIOSH/MSHA TC 23C or equivalent).

FOR EXTERIOR USE ONLY
Use with adequate Ventilation
Keep Out of Reach of Children
VOC/VOS - 8 g/l max. (0.7 lbs./gal.)

CALIF. PROP. 65 • CHEMICAL WARNING (CALIFORNIA HEALTH AND SAFETY CODE #25249.5 ET SEQ). WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or reproductive harm. Use proper protection and adequate ventilation, when using product.

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. Liability, if any, is limited to replacement of product unless installed by an approved contractor in accordance with APOC warranty procedures and program.

For limited warranty and disclaimer information, visit our website at: www.apoc.com/productwarrantyinfo.



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