



**COMPLIANCE:** CRRC. Title 24. Energy Star. ASTM D 6083. UL CLASS A RATED File #R11333. California products meet Los Angeles County A.P.C.D. (Rule #102).

**DESCRIPTION:** APOC® 273 Cool-Gray Premium Elastomeric Roof Coating is a highly flexible and durable acrylic roof coating. This coating provides a gray finish, yet still provides exceptional reflectance properties which reflect heat and UV rays away from your roof. Unlike standard gray colors, APOC® 273 contains special pigments and UV blockers which allow it to exceed the codes and standards for cool roofing products. APOC® 273 meets CRRC, Energy Star, UL Class A, ASTM and other codes and standards. It expands and contracts with roof movement to resist damage, lowers roof temperatures and helps to reduce energy usage and cooling costs.

**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, 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 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 11/2 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.

**CLEAN-UP:** Clean tool with soap and warm water.

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See SDS for more info

### TYPICAL PHYSICAL & PERFORMANCE CHARACTERISTICS:

Weight Per Gallon	12 lbs.
Solids by Weight*	66%
Solids by Volume*	54%
Viscosity (ASTM D2697)	110 - 140 ku
Elongation (ASTM D562)	463%
Tensile Strangth (ASTM D2370)	365 psi.
Elongation, Post Weathering (%)	131%
Reflectivity (ASTM C523)	.76 (Initial) .68 (3yr.)
Emissivity	.89 (Initial) .90 (3yr.)
LEED SRI (Oak Ridge Calculator)	94
Permeability (ASTM D1653)	< 5 perms
Adhesion to Polyurethane Foam	4.1 lbs./in.
Application Tools	Brush, Roller or Spray
Cure Time (50% Relative Humidity, 70 °F)	4 hrs
Full Cure (50% Relative Humidity, 70 °F)	24 - 36 hrs
Application Temperatures	55 °F & Rising
Flammability	N/A (Water Based)
Clean-up Tools	Warm Water & Soap

\*NOTE: Percentages listed are + or - 5%

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

5 gallons (18.9L)	63 lbs.
55 gallon drum (208.2L)	704 lbs.
275 gallon tote (1,039.5L)	3,400 lbs.

**VOC: <20 g/L (regulatory)**

**HANDLING PRECAUTIONS:** 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). You can also obtain a copy from your local APOC Distributor or APOC sales representative.

**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. 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](http://www.apoc.com/productwarrantyinfo).