



**COMPLIANCE:** Exceeds performance requirements of ASTM D6083. CRRC. Title 24. Miami-Dade County Product Control Approved.

**DESCRIPTION:** APOC® 246 Elasto-Kool+ Heavy Duty 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:** 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 a rust converting primer before application of this product. Surfaces with mildew growth or stains must be cleaned with a bleach solution (two-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. 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.

**STORAGE & HANDLING PRECAUTIONS:** Do NOT allow packaged product to FREEZE. Do not heat or thin. Keep container sealed when not in use. For maximum shelf life store between 50 °F and 80 °F. Storage at temperatures above 90 °F will reduce shelf life. Tightly seal container after opening and when not in use. Always keep product covered, out of direct sunlight and protected from the elements. When transporting this product, ensure that the lid is tight and pail secure and upright. 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 on top of 6 mil plastic sheeting to prevent damage due to accidental spills or loosening of lids.

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

**TYPICAL PHYSICAL & PERFORMANCE CHARACTERISTICS:**

Weight Per Gallon (ASTM D1475)	10 lbs.
Solids by Weight* (ASTM D2369)	53%
Solids by Volume* (ASTM D2697)	44%
Viscosity (ASTM D562)	120-125 ku
Elongation (ASTM D2370)	275%
Tensile Strength (ASTM D2370)	250 psi
Reflectivity (ASTM C1549)	.87 (Initial) .76 (3 yr.)
LEED Emissivity (ASTM E408)	.93 (Initial)
CRRC 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.

**PRECAUTIONS, APPLICATION & PERSONAL PROTECTION:** DO NOT HEAT OR THIN PRODUCT. Always follow local building code requirements for drainage, roof slope and other code compliance questions. Always use personal protective equipment including helmets, gloves, eye protection and harnesses to protect against injury and falls. Contact OSHA for local rooftop safety requirements. Consult the Safety Data Sheet (SDS) and application guide for specific information on the proper handling and application of this product.

**WARRANTY AND DISCLAIMER:** Gardner-Gibson, Inc. 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"). For limited warranty and disclaimer information, visit our website at [www.apoc.com/pages/warranty](http://www.apoc.com/pages/warranty) or download the APOC APP.

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See SDS for more info