



ELASTO-KOOL® ELASTOMERIC ROOF COATING

DATA SHEET

DESCRIPTION: APOC® Elasto-Kool™, White Siliconized Elastomeric Roof Coating is a premium quality, highly flexible, white acrylic roof coating. By enhancing the product with a silicone additive, water resistance, adhesion and life expectancy are improved. This high performance product resists cracking and peeling, while offering tremendous durability, and long term life. It expands and contracts with the roof's movement to resist damage. The coating provides a highly protective barrier which reflects the sun's heat and damaging UV rays. In turn, this keeps roof surfaces cooler and helps reduce heat gain through the roof, which benefits air conditioned buildings or warehouses.

PREPARATION: Pressure washing entire surface is recommended for best results (use only a wide fan spray tip). All surfaces must be dry and free of dust, dirt, oil, loose granules, gravel or peeling paint and all other foreign matter. Roofs must have proper drainage and not hold "ponding water". Rusty metal must be cleaned with a wire brush and primed with a metal primer/sealer before application of this product. Repair all leaks and cracks with Elastomeric White Roof Patch and reinforcing fabric in accordance with product label. 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. Surfaces with mildew growth or stains must be cleaned with a bleach solution (2 parts water to one part bleach). Be certain all surfaces are thoroughly rinsed and dry prior to applying coating. Do Not Thin.

APPLICATION: Surface and air temps must be 60 °F and above for a 24 hour period. DO NOT apply if heavy dew or rain is expected within 24 - 48 hours. Apply on clear, sunny day in morning hours with a 3/4" nap exterior paint roller. First, make repairs, then apply an initial 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. Apply second coat perpendicular to first coat. Allow at least 24 hours between coats and 24 - 48 hours for full curing. DO NOT apply to flat surfaces, poor drainage areas, or where ponding water will exist.

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

COVERAGE RATE: On flat metal 80-100 sq/ft per gal per coat. On traditional surface roofs, 50 - 75 sq/ft. per gal. per coat. All roofs require 2 coats for proper protection.

NOTE: If roof becomes hot (over 100 °F) during application, it is recommended to delay the project until the next morning when surface is cooler. Over time, if the roof surfaces become dirty during exposure to the elements, the coating can be cleaned with a mild water and bleach solution. Excess scrubbing should be avoided.

COLOR TINTING: If 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. Note: Color tinting will disclaim warranty.

CLEAN-UP: While wet, use soap and water. If dried, clean tools with citrus cleaner, kerosene or mineral spirits.

PRECAUTIONS: DO NOT allow product to freeze. Protective clothing, gloves & eyewear should be used during application of these products. When transporting this product, ensure that lid is tight & pail secure & 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 over protective cloths to prevent damage due to accidental spills. For longest life, store in controlled environment, 35 °F - 80 °F. Do not store in direct sunlight. Close container after use. Do not use on EPDM, TPO, PVC or other rubber/synthetic surfaces. Do not use on single ply or synthetic roofs. If there is any question regarding compatibility to the roof surface, test a small section first for proper adhesion. Do not use in drinking water or food systems.

TYPICAL PHYSICAL & PERFORMANCE CHARACTERISTICS:

Solids Weight	64.83%
Solids Volume	53.36%
Viscosity	123 KU
Pounds per Gallon	11.90 lbs
Hiding Power	98.12%
Gloss	<10 units
Tensile Strength (ASTM D2370)	310 psi
Tear Resistance (ASTM D624)	52 lbs/linear ft
Reflectivity	90 ± 1%
Emissivity	0.89
SRI Value	112
Permeability (ASTM E96)	20 perms
Water Absorbtion (ASTM D471)	6%
Elongation	320%

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

1 gallons (3.4L)	12 lbs.
4.75 gallons (18L)	60 lbs.

VOC: 40 g/L (regulatory)

STORAGE & HANDLING PRECAUTIONS: Do not heat or thin. Keep container sealed when not in use. Product must be kept out of sunlight, protected from the elements and in areas where air flows freely and is not restricted. Shelf life is up to 18 months from date of manufacturer for unopened containers. For maximum shelf life store between 50 °F and 80 °F. Storage at temperatures outside these conditions or at relative humidity over 65% will reduce shelf life. Storage longer than 6 months may require additional mixing. Tightly seal container after opening and when not in use. Opened containers should be used within 3 - 5 days after opening. If a skin forms, remove prior to mixing material. When transporting this product, ensure that the lid and openings are tight and unit is secure and upright. Do Not allow products to tumble or shift as this may cause 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.

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

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Gardner-Gibson, Inc.
P.O. Box 5449, Tampa, FL 33675

See SDS for more information.