



ENERGY-ARMOR® 258 ULTRA 100% ELASTOMERIC ROOF COATING

TECHNICAL DATA SHEET



MIAMI-DADE COUNTY
APPROVED

TYPICAL PHYSICAL & PERFORMANCE CHARACTERISTICS:

Weight Per Gallon (ASTM D1475)	12 lb.
Solids by Weight* (ASTM D2369)	66%
Solids by Volume* (ASTM D2697)	54%
Viscosity (ASTM D562)	110-140 cu
Elongation (ASTM D2370)	463%
Tensile Strength (ASTM D2370)	365 psi
Elongation, post weathering (%)	131%
Reflectivity (ASTM C1549)	.90 (Initial) .77 (3 yr.)
LEED Emissivity (ASTM E408)	.95 (Initial) .94 (3 yr.)
CRRC Emissivity (ASTM C1371)	.87 (Initial) .90 (3 yr.)
LEED SRI (Oak Ridge Calculator)	115
Permeability (ASTM D1653)	< 15 perms
Adhesion to Polyurethane Foam	4.1 lbs./in.
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
Spray Info	2000-3000 PSI .030-.041 Tip Size 1-3 GPM

VOC: <50 g/L max. (regulatory)

DESCRIPTION:

APOC® 258 Energy-Armor® Ultra 100% Elastomeric Roof Coating combines multiple performance enhancers into a single coating, resulting in unmatched quality performance and durability. This coating provides exceptional flexibility and elongation, will not crack, is 87% reflective, stays cleaner longer and is water resistant; all of which contribute to improved energy efficiency, lower cooling costs and greater sustainability. Note: Make all repairs before applying coating.

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® 291 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® 264 White Roof Patch or APOC Incredible™ Fleece Top™ Tape where appropriate. 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 HEAVY DEW OR RAIN IS EXPECTED WITHIN 24 HOURS OF APPLICATION COMPLETION.

APPLICATION:

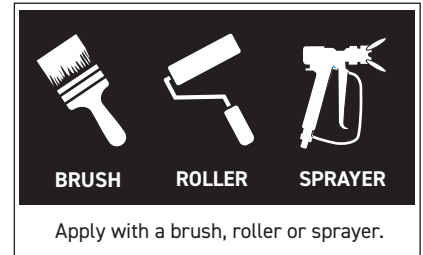
For exterior use only. Protective clothing, gloves and eyewear should be used during application of this product. Always apply on a clear, warm sunny day. Apply in morning hours to allow maximum cure time. Application should be completed a minimum of 4 hours prior to sunset. Temperatures must be above 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 for 15 Year Durability or three (3) uniform coats for 20 Year Durability over entire surface, avoiding excessive rolling. Two to Three full coats are needed 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 or other rubber/synthetic surfaces, a primer may be required. Contact APOC for specifications and requirements. Always complete a pull test prior to application. If excessive moisture or water is present, install and reinforce an extra base layer of coating with polyester reinforcement. Always follow local building code and NRCA guidelines for roof slope requirements. Not recommended for ponding water conditions where poor drainage exists.

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.

COVERAGE RATE:

1 1/2 gallons per 100 sq. ft. per coat

Two coats are required for a total application of 3 gallons per 100 sq. ft.



Gardner-Gibson, Inc.

4161 East 7th Avenue. Tampa, FL 33605
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Approx. Shipping Weights:

(Note: All approx. weights include container)

5 gallons (18.9L)	63 lb.
55 gallon drum (208.2L)	704 lb.
275 gallon tote (1039.5L)	3,400 lb.

PERSONAL PROTECTIVE EQUIPMENT



EYEWEAR



PROTECTIVE
CLOTHING



GLOVES

CLEAN-UP:

Soap and warm water.

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.

WARRANTY & DISCLAIMER:

Register your warranty for extended warranty terms within 60 days of the completion of the project at www.apoc.com/pages/warranty. APOC Roofing Systems, LLC hereby warrants to the original purchaser, contingent upon original proof of purchase, that this product will be free from any defects that may materially and adversely affect the product's performance for a period of one year from the date of original purchase.

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