



COMPLIANCE: Exceeds performance requirements of ASTM 6694. CRRG.

DESCRIPTION: APOC® 575 ARMOR FLEX-SB White is a moisture cure, fluid applied, silicone coating, that creates a tough, flexible and resilient barrier against extreme weather. Armed with Pond-Proof® Technology and high-performance materials, Armor Flex-SB White outperforms traditional coating products for weathering and waterproofing characteristics. When installed correctly, Armor Flex-SB White acts as a layer of "Armor" providing exceptional UV, water and weather proofing characteristics. Armor-Seal White is also formulated to help reduce cooling costs and energy use by providing a highly reflective white coating that lowers roof temperatures, blocks heat gain and helps reduce carbon emissions. Electricity usage can be reduced and utility bills lowered. When applied according to the instructions, and with proper maintenance, Armor Flex-SB White will greatly extend the life of your roof!

PRIMER: Adheres to most surfaces without a primer, however APOC #583 can be used to help reduce discoloration over asphalt. For Single ply membranes and metal surfaces a field adhesion test should be performed to determine if APOC #296 primer is needed.

PREPARATION: : All surfaces must be clean, dry, and free of any dirt, dust, oil, surface chemicals, or other contaminants that may interfere with optimum adhesion. Rusty metal must be cleaned and primed with APOC #291 rust inhibiting primer. Surfaces with mildew or biological growth must be cleaned with a bleach solution (2 parts water to one part bleach). Clean and pressure wash the roof. A mild detergent with broom is recommended on single ply membranes and on any roof with dirt, oil, grease, etc. When pressure washing, use only a wide fan spray tip or wet vac. Previously coated surfaces must be completely dry and cured. Contact APOC with material type questions. Once dry, prime as required. APOC requires that all repairs including but not limited to seams, penetrations, drains, ponding water, flashings, etc., are treated and repaired using APOC #581 Armor Flash or APOC AP-1 Green Seal used in conjunction with APOC polyester reinforcement. Complete repairs in accordance with APOC specifications details and instructions which are available at www.apoc.com/pages/commercial-roof-restoration. Apply to roofs in structurally sound condition.

NOTE: If surface temperatures become hot (over 140 °F) during application, wait for roof to cool. DO NOT apply to a wet or damp surface.

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.

COVERAGE RATE: Coverage rate is 1 gallon per square (100 square feet) per coat. Two (2) coats are required to provide a minimum dry mill thickness of 22 dry mills. Some surfaces may require additional product depending on roof texture and condition of substrate.

APPLICATION: For exterior use only. Do not store over 100 °F for extended periods of time. DO NOT THIN. Rain, dew, fog, frost and relative humidity greater than 70% may result in adhesion problems. Protective clothing, gloves, and eyewear should be used during application. Application should be completed when air, surface and material temperatures are 40 °F or higher (for 24 hours) but not above 120 °F. Application can take place at colder temperatures (above 32 °F) however, special precautions must be taken to ensure there is NO MOISTURE, DEW or FROST present on the roof. These conditions will create adhesion and or blister issues. Apply with a heavy duty, double arm roller frame using a 3/4" nap exterior cover that is solvent resistant. A long bristle brush (3 inches or longer), may also be used. Contact APOC for spray requirements. Coverage rate is 1 gallon per square (100 square feet) per coat. Two (2) coats are required. It is recommended to use gray as your first coat and white as your top coat which will help ensure proper coverage. If gray is not available, white may be used for both coats. Apply a uniform coat over entire surface, avoiding excessive rolling. Additional coats shall be applied 6 hours after first coat. If there will be foot traffic on roof after installation (and cured), embed 40 - 60 lbs. of #11 ceramic granules per 100 sq ft into top layer of coating to create a non-skid finish. Surfaces without granules are slippery when damp or wet. Coating dries in 2 - 4 hours and fully cures in 72 hours at 70 °F and 50% relative humidity at 1 gallon per square. Thicker films, poor air flow and low humidity will increase dry times. Seal container when not in use. Do not walk on coating until fully cured. The contents of this container are reactive with moisture in the air. Curing starts immediately upon opening and opened product cannot be returned. Use all contents within one day of opening.

CLEAN-UP: Tools are best cleaned with Xylene, but paint thinner, mineral spirits or a citrus degreaser may also be used.

TYPICAL PHYSICAL & PERFORMANCE CHARACTERISTICS:

Solids Weight (ASTM D1644)	84 ± 2%
Solids Volume (ASTM D2697)	71 ± 2%
Density	11.8 lbs/gal
Tensile Strength (ASTM D2370)	250 psi
Elongation (ASTM D2370)	300%
Tear Resistance (ASTM D624)	33
Initial Reflectivity	.88
Initial Emissivity	.88
SRI Value	110 Initial
Permeability (ASTM E96)	4 - 5 perms
Water Absorbption (ASTM D471)	.2% after 2 weeks at 75 °F
Weathering	No degradation after 5000 hrs
Tack Free Time	1 hr.
VOC	<220 g/L
Durometer Hardness	50 ± 5 pts
Maximum Surface Temp	180 °F
Flash Point	110 °F
Dry - Recoat	6 hours
Full Cure	72 Hours
Shelf Life	Up to 18 months depending on storage

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

1 gallons (3.4L)	13 lbs.
5 gallons (18.9L)	62 lbs.

VOC: <220 g/L (regulatory)

STORAGE & HANDLING PRECAUTIONS: When transporting this product, ensure that 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. Unless otherwise stated on the product label, Do Not store at temperatures above 110 °F. Storage of materials should be in a cool, shaded area during hot weather. For ease of application, store as close as possible to room temperature during cold weather. Tightly seal container when not in use. This will help slow material evaporation, keep moisture out and preserve the product. Storing outdoors or in warm temperatures will significantly reduce shelf life.

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 or download the APOC APP.

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See SDS for more information