

# 581 ARMOR FLASH®

100% Silicone Patch & Sealant



## ARMOR FLASH®

**APOC 581 Armor Flash 100% Silicone Patch & Sealant** is a high performance repair product for use in roofing & waterproofing applications in conjunction with silicone coatings. (not recommended for use with acrylic, aluminum or asphalt coatings). Armor Flash is highly flexible and can be used to seal flashings, curbs, penetrations, seams, HVAC Units and many other types of repairs. Armor Flash provides excellent adhesion to most common building materials and will withstand extreme weathering. Armor Flash is ideal for the contractor that demands maximum performance, ease of use and innovative technologies that benefit our workplace and our environment.

- Fast & Easy to Use
- Single Component
- Versatile Application
- Solvent Free Polymers

**ULTRA  
WATER  
PROOF**



Provides a tough and flexible waterproof detail sealant when installing Armor Flex® silicone restoration systems. Also ideal for repair of flashings, skylights, pitch pockets, penetrations, vents and other roof details.



Brush



Trowel





# ARMOR FLASH® SILICONE PATCH & SEALANT

## DATA SHEET

**COMPLIANCE:** ASTM C920

**DESCRIPTION:** APOC® Armor Flash® 100% Silicone Patch & Sealant is a high performance repair product for use in roofing & waterproofing applications. Armor Flash is highly flexible and can be used to seal flashings, curbs, penetrations, seams, HVAC Units and many other types of repairs. Armor Flash provides excellent adhesion to most common building materials and will withstand extreme weathering. Armor Flash is ideal for the contractor that demands maximum performance, ease of use and innovative technologies that benefit our workplace and our environment.

**PREPARATION:** Download the APOC APP for detailed installation instructions, videos, tips and specifications. 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 (2 parts water to one part bleach) prior to applying this product. Rinse thoroughly. Repair all leaks and cracks BEFORE applying any coating. Ensure all repairs are made using APOC reinforcing fabric. Do not heat or thin. **DO NOT APPLY WHEN RAIN OR HEAVY DEW IS EXPECTED WITHIN 24 HOURS OF APPLICATION COMPLETION.** Apply to roofs in structurally sound condition.

**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. Armor Flash can be applied using a brush, trowel or bulk caulking gun. This product is ideal for almost any sealant or repair application. Surfaces must be clean, dry and free from grease and oils prior to application. Damp or wet surfaces will result in adhesion issues or blisters. Metals must be degreased with a suitable solvent. For best results, apply when air and surface temperatures are 40 °F and rising. Three coursing is recommended on all repairs. Roofing granules may be embedded in top layer of sealant for aesthetics. Skins over in 1 - 2 hours and fully cures in 24 - 36 hours at 70 °F & 50% relative humidity. Lower humidity, thicker films, poor air flow and lower temperatures will increase dry times. This product is designed to be used with silicone based coatings. Because it is a silicone based patching compound, other chemistries such as acrylic will not bond to this product. Verify compatibility prior to coating.

**COVERAGE RATE:** Apply at a rate of 12.5 sq. ft. per gallon.

**CLEAN-UP:** Clean with xylene.

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 Gardner-Gibson, Inc.  
 P.O. Box 5449, Tampa, FL 33675  
 See SDS for more information

### TYPICAL PHYSICAL & PERFORMANCE CHARACTERISTICS:

Weight Per Gallon	10.6 lbs./gal.
Color	White
Tensile Strength	300 psi
Elongation	500%
Tool Application	Trowel or Brush
Skin Time (50% Relative Humidity, 70 °F)	30 min
Full Cure 1/4" (50% Relative Humidity, 70 °F)	3 - 7 days
Application Temperatures	40 °F - 110 °F
Flash Point	> 200 °F

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

1 gallon (3.4L)	10.6 lbs
2 gallon (7.57 L)	21.2 lbs

**VOC: <10 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. 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. 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.

**LIMITED WARRANTY AND DISCLAIMER: 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.