

AP 5800

100% Silicone Sealant & Adhesive Data Sheet



COMPLIANCE: TT-S-001543A, TT-S-00230C, ASTM C-920-14

DESCRIPTION: APOC® 5800 100% Silicone High Performance Sealant & Adhesive is a general purpose, premium grade, acetoxyl sealant that can be used for use on a variety of industrial and commercial applications. 5800 provides a tough, extremely weather resistant sealant for construction and is also ideal for industrial applications requiring exposure to high temperatures. APOC® 5800 can be used for sealing metal jacket systems, windows, doors, roofs, pipes, ductwork, HVAC equipment and many marine, automotive and building envelope applications.

PREPARATION: All surfaces must be dry and free of dust, dirt, oil, release agents, rust, loose materials and sealants, etc. If surfaces contain mold, algae, dirt or are foreign contaminants, clean surface with approved cleaner and wipe down using solvent and a lint free cloth.

FOR BEST RESULTS: Apply in temperatures above 40 °F. In colder temperatures, ensure no moisture is present on substrate.

AVAILABLE COLORS: White, Gray, Aluminum or Clear.

COVERAGE RATES: Approximately 55 linear feet per 3/16" bead.

HANDLING PRECAUTIONS: Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container labels for safe use and for physical and health hazard information. Material safety data sheets are available on the APOC website at www.apoc.com. You can also obtain a copy from your local APOC Distributor or APOC sales representative.

APPLICATION: Trim nozzle to desired bead size and load into caulk gun. While applying sealant, hold nozzle at a 45° angle, pushing sealant into gap. Mask adjacent areas to ensure a clean sealant line. Sealant may be tooled to desired finish within 5 minutes of application. Remove tape immediately after tooling. When joints are sealed and backer material is required, use a closed cell polyethylene backer rod. On shallow joints, a low tack polyethylene tape should be used to prevent 3 side adhesion and sealant movement capability. A minimum depth of 6mm is required for joints and a 2:1 width to depth ratio should be maintained. Sealant cures to the touch within 30 minutes and cures in 24 hours to 3mm @ 77 °F & 50% relative humidity. Low humidity, thicker films, poor air flow and lower temperatures will increase cure times.

DO NOT apply on moist, damp or wet surfaces. DO NOT THIN. Generally, this product is not paintable. 5800 Silicone Sealant is not recommended for structural glazing or insulated glazing applications or near sensitive metals, such as copper, brass, zinc, galvanized iron or magnesium. (Acetic acid released during cure can be corrosive, especially in confined cure conditions). Not for use on EPDM or thermoplastic membranes. This product is neither tested nor represented as suitable for medical or pharmaceutical uses. 5800 is not suitable for food contact applications, in confined spaces, on submerged joints or in joints where physical abuse or abrasion is likely to occur.

PRECAUTIONS: Protective clothing and eyewear should be used during application of these products. DO NOT store at temperatures above 110 °F.

STORAGE: It is recommended to store product in cool, dry conditions below 90°F (32 °C) in the original unopened containers. When stored according to manufacturer's recommendations APOC 5800 has a shelf life of 12 Months from the date of shipment by manufacturer. In climates where higher temperatures and humidity are present, special precautions should be taken to prevent a reduction in shelf life by up to 30%. Always store finished goods in a well-ventilated area. Rotation of stock is required. Cartons should be stacked upright with the nozzle tips upward. Do not stack on sides. Never stack boxes more than 8 high. Do not store product within 4 feet of ceiling.

CLEAN-UP: Clean tools with Xylene, Toluene, or MEK.

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P.O. Box 5449, Tampa, FL 33675

TYPICAL PHYSICAL & PERFORMANCE CHARACTERISTICS

Weight Per Gallon	8.39 lbs.
Solids by Weight	85.0%
Solids by Volume	80.0%
Gloss Reading at 60°	70+
Viscosity (Extrusion)	250-500 g/min
Consistency	Pliable
General Application Tools	Spatula or Putty knife
Tack Free Time (50% Relative Humidity, 70 °F)	30 min.
Tooling Time (skin formation)	5 - 10 min.
Full Cure (50% Relative Humidity, 70 °F)	24 hour.
Application / Substrate Temperatures	-20 - 110 °F
Service Temperature	-40 - 400 °F
Tensile Strength	170 psi.
Elongation	350%
Joint Movement	+ or - 25%
Modulus	Medium
Durometer Hardness	18 Shore A
Peel Strength (Steel & Aluminum)	14 ppi
Clean-up Tools	Xylene, Toluene, or MEK

Product Colors

Clear	AP-5800-0-61
White	AP-5800-1-61
Gray	AP-5800-7-61
Aluminum	AP-5800-A-61

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

1 Case (12 tubes)	9 lbs.
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VOC: <30 g/L (regulatory)

LIMITED WARRANTY AND DISCLAIMER: APOC 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 fifty (50) years from the date of original purchase ("Warranty Period"). Should a manufacturing defect materially and adversely affect this product's performance, APOC shall, within its sole discretion and upon receipt of Purchaser's timely written notice within the Warranty Period, provide replacement product(s) or refund the purchase price of the defective product. THIS LIMITED WARRANTY IS PURCHASER'S EXCLUSIVE REMEDY AND SUPERCEDES AND IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. This limited warranty does not cover labor or installation costs, areas with ponding water (as defined by the NRCA), consequential damages or incidental damages. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Direct all warranty claims in writing, along with original proof of purchase, to APOC, c/o Warranty Claims Department, P.O. Box 5449, Tampa, FL 33675. The exclusive venue for any legal action arising out of the purchase of this product or this warranty shall be had in a court of competent jurisdiction within Hillsborough County, Florida. Florida law shall govern. For additional information, visit www.apoc.com.

See SDS for more info



Gardner-Gibson, Inc. • P.O. Box 5449 • Tampa, Florida 33675-5449
Phone: (813) 248-2101 • Fax (813) 248-6768 • www.apoc.com