

Specifications

PFC500 Series

100% Silicone Sealant



Description

PROFLO 100% SILICONE SEALANTS are a durable, 100% waterproof and weatherproof sealant for sealing out drafts, water and moisture around windows, doors, siding, gutters, flashing, pipes, vents and more. Cured sealant is mold and mildew resistant and is for interior/exterior use. When tested in accordance with ASTM C719 meets the ASTM C920 requirements for Class 25, Use G.

Model Numbers

PFC500ALUA	9.8 oz cartridge, Aluminum
PFC500CLRA	9.8 oz cartridge, Clear
PFC500WHTA	9.8 oz cartridge, White

Prominent Features

- 100% waterproof & weatherproof
- 12 hour rain ready
- Durable & Flexible
- Minimal shrinkage
- Cured sealant is mold & mildew resistant
- When tested in accordance with ASTM C719 meets the ASTM C920 requirements for Class 25, Use G
- Exterior/interior use

Basic Uses

Indoor/ Outdoor. Sealing: Windows, doors, siding, trim, pipes, vents, ducts, gutters, flashing
ADHERES TO: most woods*, composite wood, aluminum, most metals*, glass, ceramic, porcelain, vinyl, most plastics* & most rubbers.

*See Limitations Section on back page.

Coverage

A 3/16" diameter bead will yield up to 53 linear feet of sealant per 9.8 oz cartridge.

Surface Preparation

Apply when surface temperatures are between -35°F to 140°F. Surface must be clean, dry,

structurally sound, and free of all foreign material. To remove mildew, scrub with a solution of 3 heaping teaspoonful of Trisodium Phosphate (TSP), 1 quart of Hypochlorite Household bleach and 3 quarts of warm water (wear protective goggles and impervious gloves. Follow manufacturer's directions when working with cleaning solutions). Rinse thoroughly and allow to dry.

Application

Apply when surface temperatures are between -35°F to 140°F.

1. Remove old sealant and any foreign material and apply to clean, dry surface. Use foam backer rod for gaps larger than 1/2". Sealant is not paintable. Paint surfaces prior to applying sealant.
2. Cut nozzle at 45° angle to desired bead size. Puncture inner foil seal.
3. Apply with standard caulk gun using steady pressure to fill joints or gaps, then smooth with finishing tool.
4. Clean up excess uncured sealant from surface and tools with mineral spirits. Scrape or cut away excess cured sealant. Do not use mineral spirits to clean hands or skin. Wash hands or skin with soap and water.
5. Allow sealant to cure for 12 hours before water exposure. Do not touch or clean sealant for 24 hours. Sealant reaches full cure in 24 hours.

Joint Design and Dimensions

Joint width should not exceed 1/2". If joint depth exceeds 1/2", use foam backer rod.

Masking

Areas adjacent to joints should be masked, preferably before priming, if it is necessary to obtain a neat sealant line.

Limited Warranty

If, when applied as directed, this product peels,

cracks or separates, the product will be replaced without charge upon presentation of proof of purchase and this used cartridge. This limited warranty applies only to residential use. Damages, including consequential damage and other remedies, are excluded. No other warranties apply, including fitness for particular purpose.

Clean Up & Storage

Remove excess uncured sealant from surfaces and tools with mineral spirits. Excess cured sealant must be cut or scraped away. Do not use mineral spirits or any other solvent to clean hands or skin. Wash hands or skin with soap and water. Store container in temperatures below 80°F and in a dry place.



PFC500WHTA

California Prop 65 Warning

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*Limitations

- 100% silicone is not paintable
- Not For: Structural Glazing
- Not recommended for continuous underwater use, filling butt joints, surface defects, tuck-pointing, chimneys, stovepipes or fireplace applications.
- Corrodes some metals and not recommended for use on or near brass, copper or copper alloys, zinc, iron, galvanized metals or other surfaces prone to attack by weak acids.
- Not for oily woods or cementitious surfaces. Substrates made of methylmethacrylate, polycarbonate, polypropylene, polyethylene and polytetrafluoroethylene do not allow for best adhesion and compatibility with sealant. Try test area before using.
- Allow 24 hours for sealant to fully cure. Sealant will not cure in totally confined spaces.
- Service Temperature Range: -40°F to 350°F continuous use, up to 400°F intermittent use after full cure.

Typical Properties - Supplied	Test method	PFC500
Tooling time	Lab value	5-10 min.
% solids by weight	Lab value +/- 1%	>97%
Physical Form	Observation	Smooth, gunnable paste
Color	Observation	White Clear Aluminum
Odor	Subjective	Vinegar like
Tack free time in minutes		10-20 min.
Paint Over Time		Not Paintable
Full Cure Time		24 hrs
Freeze/Thaw Stability	ASTM C1183	Will Not Freeze
Temperature Application Range		-35°F to 140°F
Volatile Organic Content Weight %	Calculated	< 3.0 wt. %
VOC excl. H2O (G/L)		28.9
Flash Point		>212°F
Shelf life		24 month
Typical Cured Performance Properties		
Joint Movement Capability	ASTM C719	+/-25%
Temperature Service Range (after cure)		-40°F to 350°F continuous use, up to 400°F intermittent use after full cure
Vertical Sag	ASTM D2202	0.05"
Water Ready Time		12 hours
Paintable		NO
Cleanup		Cleanup Mineral Spirits

CAUTION!
DO NOT INGEST.
KEEP OUT OF REACH OF CHILDREN.
KEEP FROM FREEZING.

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