



# TECHNICAL DATA SHEET

2400 Boston Street | Suite 200 | Baltimore, MD | 21224

## DAP® SILICONE PLUS™ Advanced Window, Door & Siding 100% Silicone Sealant

### PRODUCT DESCRIPTION

DAP® SILICONE PLUS™ Advanced Window, Door & Siding 100% Silicone Rubber Sealant is a one-component, neutral cure silicone that cures to a tough, rubbery solid. It is shrink and crack proof and provides outstanding durability and flexibility for a long-lasting, 100% waterproof and weatherproof seal. It is rain ready in just 30 minutes without washing out. Cured sealant is mould and mildew resistant. Low in odour. Ideal for a wide variety of interior and exterior applications such as sealing around windows, doors, siding, trim, pipes, vents and ducts. Lifetime Guarantee. Interior/exterior use. Meets ASTM C920, Class 25. Interior/exterior use.



PACKAGING	COLOR	UPC
319 mL	White	7079873350
319 mL	Clear	7079873352
319mL	Almond	7079873384
319mL	Black	7079873356
319mL	Brown	7079873354
83mL	Clear	7079873358

### KEY FEATURES & BENEFITS

- Meets ASTM C920, Class 25
- Outstanding flexibility & adhesion
- 30-minute rain ready
- 100% waterproof & weatherproof
- Shrink & crack proof
- Cured sealant is mould & mildew resistant
- Low odour
- Interior/exterior
- Lifetime Guarantee



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## SUGGESTED USES

### USE FOR CAULKING AND SEALING:

- Windows
- Doors
- Siding
- Trim
- Gutters
- Flashing
- Vents
- Pipes
- Corner joints
- Above ground foundations

### ADHERES TO:

- Wood – painted & unpainted
- Glass
- Ceramic
- Porcelain
- Vinyl
- Most plastics (PVC, ABS)
- Aluminium
- Most metals
- Drywall
- Plaster
- Composite materials
- Fibre cement board
- Fiberglass
- Most common building materials

## FOR BEST RESULTS

- Application temperature range is between -37 °C and 48 °C.
- Joint width should not exceed 1.27 cm (1/2"). If joint depth exceeds 1.27 cm (1/2"), use foam backer rod.
- Allow 24 hours for sealant to fully cure. Sealant will not cure in totally confined spaces.
- Not recommended for filling butt joints, surface defects, tuck pointing, structural glazing, continuous underwater use, high temperature surfaces, or surface defects.
- Not recommended on surfaces that might bleed oils, plasticizers or solvents. Best adhesion and compatibility are not achieved with substrates made of methylmethacrylate, polycarbonate, polypropylene, polyethylene or polytetrafluoroethylene. Evaluate such substrates before using sealant.
- **Not paintable.** Paint substrate surface before applying sealant.

## APPLICATION

### Surface Preparation

Surface must be clean, dry, structurally sound and free of all foreign material.

### Product Application

1. If using squeeze tube, remove cap & cut nozzle at 45° angle to desired bead size. Unscrew nozzle & remove foil seal. Replace nozzle. If using cartridge, cut nozzle at a 45° angle to desired bead size. Puncture inner foil seal. Load into caulk gun.



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2. Fill gap or crack with sealant.
3. If necessary, tool or smooth the bead of sealant with a finishing tool before the sealant skins over.
4. At 22°C & 50% relative humidity, sealant is water resistant at 30 minutes & reaches full cure in 24 hours. Low humidity may slow cure.
5. Clean up excess uncured sealant from surface and tools with mineral spirits. Scrape or cut away excess cured sealant. Do not use mineral spirits or any other solvent to clean skin. Wash hands and skin with soap and water.
6. Sealant is not paintable. Paint surfaces prior to applying sealant.
7. Reseal cartridge for storage and reuse.

## TYPICAL PHYSICAL & CHEMICAL PROPERTIES

<b>Typical Uncured Physical Properties</b>	
Appearance/Consistency	Smooth, gunnable paste
Base Polymer	Silicone rubber
Filler	Not applicable
Volatile	Not applicable
Weight % Solids	>97%
Specific Gravity	1.04
Odour	Very mild
Flash Point	>100°C
Freeze Thaw Stability (ASTM C1183)	Will not freeze
Shelf Life	24 months
Coverage	16 linear metres at 5 mm diameter bead
<b>Typical Application Properties</b>	
Application Temperature Range	-37°C to 48°C
Tooling Time (Working Time)	10-15 minutes
Tack Free Time	50 minutes
Full Cure Time	24 hours
Return to Service Time	30 minutes
Vertical Sag (ASTM D2202)	1.5 mm
<b>Typical Cured Performance Properties</b>	
Service Temperature Range	-40 °C to 148 °C
Water Ready Time	30 minutes



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Paint Ready Time	Not paintable
Mildew Resistance	Cured sealant is mould & mildew resistant
Dynamic Joint Movement (ASTM C719)	+/-25%

## 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 to clean skin. Wash or skin with soap and water. Store container in temperatures below 26 °C and in a dry place.

## SAFETY

See product label or Safety Data Sheet (SDS) for health and safety information. You can request a SDS by visiting our website at [dap.ca](http://dap.ca) or calling **888-DAP-TIPS**.

## WARRANTY

DAP Canada, DAP Products Inc. and their respective affiliates will not accept liability for more than replacement product or sales price refund under any circumstances.

## COMPANY IDENTIFICATION

**Manufactured for:** DAP Canada, 475 Finchdene Square, Unit 5, Scarborough, ON, M1X 1B7

**Usage Information:** Call 1-888-DAP-TIPS or visit [dap.ca](http://dap.ca) & click on "Ask the Expert"

**Order Information:** 800-668-9397 or 416-321-1522

**Fax Number:** 416-321-3325

**Also visit the DAP website at [dap.ca](http://dap.ca)**