



TECHNICAL DATA SHEET

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

DAP® PREMIUM POLYURETHANE Construction Adhesive Sealant

PRODUCT DESCRIPTION

DAP® PREMIUM POLYURETHANE Construction Adhesive Sealant is a one-part, moisture-curing, non-sag, elastomeric commercial-grade sealant. It is specifically formulated to provide a long-lasting, durable seal when filling exterior gaps, joints and cracks. This high-performance sealant offers superior adhesion to most substrates and remains flexible to withstand up to 70% total joint movement when installed into a properly prepared joint. Can be applied above or below the waterline. Exceptional cut and tear resistance. Handles foot and vehicle traffic. Paintable. Meets or exceeds ASTM C920, Type S, Grade NS, Class 35, use T, NT, O, M, I. NSF/ANSI Standard 61. Interior/exterior use.



PACKAGING	COLOUR	SKU	UPC
300 mL (10.1 fl oz) Cartridge	White	7079874810	0 7079874810 1
300 mL (10.1 fl oz) Cartridge	Black	7079874814	0 7079874814 9
300 mL (10.1 fl oz) Cartridge	Grey	7079874816	0 7079874816 3

KEY FEATURES & BENEFITS

- Professional grade, elastomeric sealant
- Meets ASTM C920, Class 35
- Meets NSF/ANSI Standard 61
- 70% total joint movement
- Above or below waterline use
- Superior adhesion & durability
- 100% waterproof & weatherproof seal
- Impact & cut resistant
- Paintable
- 50 year
- Interior/exterior use



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SUGGESTED USES

USE FOR CAULKING & SEALING:

- Windows
- Doors
- Siding
- Siding corner joints
- Butt joints
- Corner joints
- Tuck pointing
- Trim
- Fascia
- Expansion joints
- Control joints
- Pre-cast panels
- Pipes
- Vents
- Ducts
- Foundations
- Chimneys
- Common roofing detail applications
- Flashing
- Eaves
- Downspouts

ADHERES TO:

- Wood
- Aluminium
- Most metals
- Vinyl
- PVC trim board
- Most plastics
- Fibber Cement
- Glass
- Stucco
- Composite
- Brick
- Stone
- Concrete
- Mortar
- Asphalt

FOR BEST RESULTS

- Application temperature range is between 4.4°C and 37°C.
- Minimum joint depth is 6mm ($\frac{1}{4}$ "). Joint size should not exceed 13mm ($\frac{1}{2}$ ") deep by 44mm ($1\text{-}\frac{3}{4}$ ") wide. If joint depth exceeds 13mm ($\frac{1}{2}$ "), use foam backer rod.
- Sealant should be installed when joint is at mid-range of its anticipated movement.
- Allow sealant to fully cure before applying paint, approximately 4 to 7 days depending on temperature, humidity and depth of fill.
- Priming not required for most construction materials.
- For cold weather application, condition cartridges at 21°C prior to use.
- Do not apply over damp or contaminated surfaces. Use with adequate ventilation.
- Do not use in swimming pools.
- Avoid contact with alcohol and other solvent cleaners. Do not cure in the presence of curing silicone sealants.
- Store below 26°C in dry place for optimal shelf life.

APPLICATION

Surface Preparation

- Surface must be clean, dry, structurally sound and free of old caulk, dirt, dust & other foreign material.
- Priming not required for most materials.
- Depending on the joint surface, for best results it may require a thorough wire brushing, grinding, sandblasting, solvent washing and/or primer. A roughened surface will also enhance bond.



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- Install bond breaker tape or backer rod to prevent bond at base of joint. Taping sides of joint is recommended in any size where an extremely accurate match to the edge is desired. The tape can be removed without difficulty any time up to four hours after application of sealant.

Product Application

1. Apply in temperatures between 4.4°C and 37°C. For cold weather application, condition cartridges at 21°C prior to use.
2. Install sealant when joint is in mid-range of anticipated movement.
3. Cut nozzle at 45° angle to desired bead size.
4. Puncture inner foil seal.
5. Load cartridge into caulk gun.
6. Fill gap or joint with sealant.
7. Tooling is recommended immediately after application to insure contact with the joint interface. Dry tooling is preferred. Do not use alcohol.
8. 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.
9. Allow sealant to fully cure (7 days minimum) before applying paint. Test adhesion and compatibility of paint before applying.
10. Reseal cartridge for storage and reuse.

TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Typical Uncured Physical Properties	
Appearance/Consistency	Gunnable, non-sag paste
Base Polymer	Polyurethane
Filler	Not applicable
Volatile	Not applicable
Weight % Solids	>97%
Specific Gravity	1.4
Odour	Mild solvent
Flash Point	>100°C
Freeze Thaw Stability (ASTM C1183)	Will not freeze
Shelf Life	12 months
Coverage	10.6 linear meters at 6 mm diameter bead (31 linear feet at ¼" diameter bead)
Typical Application Properties	
Application Temperature Range	4.4°C to 37°C
Tooling Time (Working Time)	3 hours
Tack Free Time	3-6 hours
Full Dry Through	4-7 days depending on temperature, humidity, joint depth



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Return to Service Time	24 hours
Vertical Sag (ASTM D2202)	1 mm (0.05")
Typical Cured Performance Properties	
Service Temperature Range	-40°C to 76°C
Water Ready Time	24 hours
Paint Ready Time	7 days
Dynamic Joint Movement (ASTM C719)	+/-35%

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 hands or skin. Wash hands 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 an SDS by visiting our website at dap.ca or calling 888-DAP-TIPS.

WARRANTY

DAP Canada will not accept liability, for products used as directed, more than replacement products 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 888-DAP-TIPS or visit 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