



TECHNICAL DATA SHEET

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

DAP® Premium Polyurethane Construction Sealant

PRODUCT DESCRIPTION

DAP® PREMIUM POLYURETHANE CONSTRUCTION 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 & cracks. This high-performance sealant offers superior excellent adhesion to most substrates and remains flexible to withstand up to 100% total joint movement when installed into a properly prepared joint.. Handles foot & vehicle traffic.



PACKAGING	COLOR	UPC
10.1 fl. oz. (300 mL)	White	7079818810
10.1 fl. oz. (300 mL)	Black	7079818816
10.1 fl. oz. (300 mL)	Grey	7079818814

KEY FEATURES & BENEFITS

- Meets ASTM C920, Class 50
- Outstanding Adhesion & Flexibility
- 100% Waterproof Seal
- Excellent Weather Resistance
- Paintable
- +/- 50% Joint Movement
- Limited Lifetime Warranty

SUGGESTED USES

Ideal for:

- Window and door perimeters
- Aluminum, vinyl or fiber-cement siding
- Expansion and control joints
- Fascia
- Ducts, vents, skylights
- Foundations, chimneys
- Horizontal & vertical joints
- Siding corner joints
- Pre-cast panels
- Tuck pointing
- Common roofing detail applications
- Flashing, eaves, downspouts



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Adheres to:

- Wood
- Most Metals
- Aluminum
- Asphalt
- Masonry
- Stone
- Concrete
- Vinyl
- Stucco
- Fiberglass
- Brick
- Most Plastics

PERFORMANCE CHARACTERISTICS

- Meets or exceeds Federal Spec. TT-S-00230C, Type II, Class A and ASTM C920, Type S, Grade NS, Class 50. Use T, NT, O, M, G. CAN/CGSB 19.13-M87.
- AAMA 714-15 Specification for Liquid-Applied Flashing
- 100% Waterproof seal
- Maximum flexibility & adhesion

FOR BEST RESULTS

- Do not apply over damp or contaminated surfaces. Use with adequate ventilation.
- Apply in temperatures between 40°F – 100°F.
- For cold weather application, condition cartridges at 70°F prior to use.
- Do not use in submerged applications
- Joint size should not exceed 1-3/4" wide by 1/2" deep. If joint exceeds 1/2" depth, use closed cell polyethylene backer rod. Minimum joint size should not be less than 1/4" by 1/4" inch. Sealant should be installed when joint is at mid-range of its anticipated movement.
- Avoid contact with alcohol and other solvent cleaners. Do not cure in the presence of curing silicone sealants.
- Allow sealant to fully cure before applying paint (approx. 7 days depending on temperature, humidity and depth of fill.)
- Priming not required for most construction materials.
- Polyurethane must be used within 12 months of manufacture date.

APPLICATION

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



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2. Cut nozzle at a 45° angle to desired bead size.
3. Puncture inner foil seal.
4. Load cartridge into conventional caulking gun.
5. Fill gap with sealant, forcing sealant into joint.
6. Tooling is recommended immediately after application to insure contact with the joint interface. Dry tooling is preferred. Do not use alcohol.
7. Excess sealant and smears adjacent to the joint can be removed with mineral spirits before cure.
8. Product is tack free in 6-8 hours and will achieve full cure in 4-7 days, depending on joint depth, temperature and humidity.

TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Typical Uncured Physical Properties	
Appearance/Consistency	Gun Grade
Vehicle:	Polyurethane
Volatile:	45 g/L (<3.5 wt./wt.%)
Density (lbs per gallon)	11.09
Odor	Low
Freeze Thaw Stability:	Stable
Shelf Life	12 months
Coverage	Up to 12.4 linear feet for 1/2" x 1/4" bead
Typical Application Properties	
Application Temperature Range:	-40°F to 100°F
Full Cure Time	7 days depending on temperature, humidity, joint depth
Tack Time	6-8 hours
Typical Cured Performance Properties	
Service Temperature Range:	-40°F to 180°F
Water Ready Time	Full Cure
Paintable	Yes, 1 week at standard condition
Hardness Shore A (ASTM D2240):	21 day 40 +/-5
Joint Movement	+/- 50%



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CLEAN UP & STORAGE

Clean up excess uncured sealant with mineral spirits. Cured material must be cut or scraped away.

SAFETY

See product label and Safety Data Sheet (SDS) for safety information. You can request an SDS by visiting our website at dap.com or by calling 888-DAP-TIPS.

WARRANTY

Warranty terms available at dap.com/warranty. For a free written copy, call (888)-DAP-TIPS.

COMPANY IDENTIFICATION

Manufactured for: DAP Global Inc., 2400 Boston Street, Baltimore, Maryland 21224

Usage Information: Call 888-DAP-TIPS or visit dap.com & click on “Ask the Expert”

Order Information: 800-327-3339 or orders@dap.com

Fax Number: 410-558-1068

Also, visit the DAP website at dap.com