



# 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             | COLOR | UPC        |
|-----------------------|-------|------------|
| 10.1 fl. oz. (300 mL) | White | 7079818810 |
| 10.1 fl. oz. (300 mL) | Black | 7079818816 |
| 10.1 fl. oz. (300 mL) | Gray  | 7079818814 |

### 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
- Aluminum
- Most metals
- Vinyl
- PVC trimboard
- Most plastics
- Fiber Cement
- Glass
- Stucco
- Composite
- Brick
- Stone
- Concrete
- Mortar
- Asphalt

## FOR BEST RESULTS

- Application temperature range is between 40°F and 100°F.
- Minimum joint depth is 1/4". Joint size should not exceed 1/2" deep by 1-3/4" wide. If joint depth exceeds 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 70°F 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 80°F 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 40°F and 100°F. For cold weather application, condition cartridges at 70°F 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

| <b>Typical Uncured Physical Properties</b> |                                      |
|--|--------------------------------------|
| Appearance/Consistency                     | Gunnable, non-sag paste              |
| Base Polymer                               | Polyurethane                         |
| Filler                                     | Not applicable                       |
| Volatile                                   | Not applicable                       |
| Weight % Solids                            | >97%                                 |
| Density (lbs per gallon)                   | 11.7                                 |
| Odor                                       | Mild solvent                         |
| Flash Point                                | >200°F                               |
| Freeze Thaw Stability (ASTM C1183)         | Will not freeze                      |
| Shelf Life                                 | 12 months                            |
| Coverage                                   | 24.3 linear feet at ¼" diameter bead |
|  |                                      |
| <b>Typical Application Properties</b>      |                                      |
| Application Temperature Range              | 40°F to 100°F                        |
| Tooling Time (Working Time)                | 3 hours                              |



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|   |  |
|---|--|
| Tack Free Time                              | 3-6 hours  |
| Full Dry Through                            | 4-7 days depending on temperature, humidity, joint depth |
| Return to Service Time                      | 24 hours   |
| Vertical Sag (ASTM D2202)                   | 0.05"  |
|   |  |
| <b>Typical Cured Performance Properties</b> |  |
| Service Temperature Range                   | -40°F to 170°F   |
| 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 80°F 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.com](http://dap.com) or calling 888-DAP-TIPS.

## WARRANTY

**LIMITED WARRANTY:** If product fails to perform when used as directed within one year of purchase, call 888-DAP TIPS, with your sales receipt and product container available, for replacement product or sales price refund. DAP is not liable for incidental or consequential damages.

## COMPANY IDENTIFICATION

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

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

**Order Information:** 800-327-3339 or [orders@dap.com](mailto:orders@dap.com)

**Fax Number:** 410-558-1068



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Also, visit the DAP website at [dap.com](http://dap.com)