



TECHNICAL DATA SHEET

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

DAP® All-Purpose Adhesive & Filler

PRODUCT DESCRIPTION

DAP® All-Purpose Adhesive & Filler is a 3-in-1 technology that allows you to bond, build & repair most porous and non-porous surfaces. This two-component epoxy is easy to use and non-sag, making it suitable for horizontal, vertical and overhead repairs. It has an extended working time of 20 minutes providing excellent shaping and molding abilities to re-create broken areas. It can be applied on wet or damp surfaces, as well as adhere underwater. It is tack-free in 3 hours and rain ready immediately. Complies with ASTM C 881 Type I, II, III, IV, Class C, Grade 3. Interior/Exterior use.

PACKAGING	COLOR	UPC
8.6 fl oz cartridge	Light Gray	7079828000

KEY FEATURES & BENEFITS

- Ideal for horizontal, vertical & overhead repairs
- Moldable, shapeable & can be built-up
- 20 minutes working time
- Can be painted or coated to meet desired finish
- High strength cure, 12,000 psi per ASTM D6951
- Underwater adhesion
- Low odor

SUGGESTED USES

USE FOR BONDING, BUILDING & REPAIRING:

- Concrete walls, stairs & floors
- Landscaping stones & retaining wall
- PVC piping
- Ceramic tiles
- Masonry or bricks
- Wood framing

ADHERES TO:

- Brick
- Stone
- Concrete
- Wood
- PVC
- Uncoated Metal
- Mortar
- Fiber Cement
- Stucco
- Most common building materials



TECHNICAL DATA SHEET

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

FOR BEST RESULTS

- Apply in temperatures above 40°F.
- Do not apply when freezing temperatures are forecasted within 24 hours.
- Roughen surfaces with sandpaper or abrasive disc, then wipe clean ensuring surface is free of all foreign material.
- Store in cool conditions (40°F to 90°F) out of direct sunlight.

APPLICATION

Surface Preparation

Surface must be clean, dry, structurally sound, and free of all foreign material. For best adhesion, roughen surface prior to application. If applying on new concrete, concrete should be a minimum of 28 days old.

Product Application

1. Apply in temperatures between 40°F and 110°F. Do not apply when freezing temperatures are forecasted within 24 hours.
2. Remove plastic cap. Remove plug from threaded end of cartridge. Attach self-mixing nozzle to cartridge by twisting nozzle clockwise.
3. Load cartridge into a standard caulk gun; for easy application, use a heavy duty professional 26:1 ratio caulking gun.
4. Dispense a small amount of material until a uniform gray color is achieved to ensure it is properly mixed.
5. Place the nozzle at the bottom of the void to ensure no air is trapped during application. Ensure the nozzle tip remains in the material.
6. Apply material onto substrate to fill void (slightly overfilling) and trowel/smooth to a level surface or desired shape within 20 minutes. Repairs should not exceed 1 inch in depth.
7. Once fully cured, material can be sanded using a mechanical sander.
8. If applying a topcoat or paint, follow paint manufacturer's guidelines.

Color & Ratio

Part A (Resin): White, Part B (Hardener): Dark Gray, Mixed: Gray, Mix Ratio 1:1

PRODUCT SPECIFICATIONS

Table 1: Multi-Purpose Adhesive and Filler performance per ASTM C881-15^{1,2,3}

Property	Cure Time	ASTM Standard	Units	Sample Conditioning Temperature	
				40°F	75°F
Gel Time – 60 Gram Mass	---	C881	Min	65	26
Tack Free Time (30 mil Thin Film)		C679	hr	>6	3
Compressive Yield Strength	7 day	D695	psi	14,190	12,720
Compressive Modulus	7 day	D695	psi	936,400	698,400
Bond Strength Hardened to Hardened Concrete	2 day	C882	psi	2,460	2,450
Linear Coefficient of Shrinkage	48 hr	D2566	%	0.00015	



TECHNICAL DATA SHEET

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

TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Typical Uncured Physical Properties (Mixed)	
Appearance/Consistency	Part A (Resin): White; Part B (Hardener): Dark Grey; Mixed: Grey, light-weight paste/creamy
Base Polymer	Epoxy and Hardener
Volatile	17 g/l Mixed
Odor	Low
Clean Up	Mineral Spirits, IPA, Acetone (mild solvents)
Freeze Thaw Stability (ASTM C1183)	Passed 5 cycles.
Shelf Life	24 months (unopened/cool & dry conditions)
Typical Application Properties	
Application Temperature Range	40°F to 110 °F
Tack Free Time	3 Hours
Cure Time	24 hours depending on the size of repair.
Return to Service Time	24 hours
Typical Cured Performance Properties	
Service Temperature Range	-30°F to 130°F
Water Ready Time	Immediately after application
Mildew Resistance	Cured material is mold & mildew resistant

CLEAN UP & STORAGE

Remove uncured material from tools and surfaces immediately with mineral spirits. Cured adhesive can only be removed mechanically. Do not use mineral spirits or any other solvent to clean skin. Wash skin with soap and water. Cartridges should be stored in cool, dry conditions (40°F to 90°F) out of direct sunlight.

SAFETY

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

WARRANTY



TECHNICAL DATA SHEET

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

WARRANTY: If product fails to perform when used as directed within one year of date of purchase, call 888-DAP-TIPS with your sales receipt and product container available for replacement product or sales price refund. DAP Global Inc. will not be responsible for incidental or consequential damages.

COMPANY IDENTIFICATION

Manufacturer: 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