



# Technical Bulletin

2400 Boston Street, Suite 200, Baltimore, Maryland 21224  
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## DAP® 100% Silicone Rubber Sealant

- All-purpose, indoor/outdoor use
- Watertight seal
- Long-lasting flexibility
- Minimal shrinkage
- 50 year durability guarantee

**Packaging:** 2.8 fluid ounce squeeze tube (83 mL), 10.1 fluid ounce cartridge (300 mL)

**Colors:** White, Clear, Almond, Black, Aluminum, Bronze

**UPC Nos:** 70798 00683, 00684, 08646, 08641, 05841, 08642, 08643, 08647, 08649, 73473, 73477, 73462, 73485, 73497

### Company Identification:

Manufacturer: DAP Inc., 2400 Boston Street, Baltimore, Maryland 21224

Usage Information: DAP HELPLINE: 888-DAP-TIPS, 9:00 am to 7:00 pm EST

Order Information: 800-327-3339

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

### Product Description:

DAP® 100% Silicone Sealant Rubber Sealant is an all-purpose, one component, acetoxy cure sealant ideal for indoor/outdoor use. It provides a watertight, flexible seal that won't crack, crumble or shrink. Once cured, it is unaffected by temperature extremes (-40°F to 400°F). It meets ASTM Specification C 920, Class 25, Type S, Grade NS and has a 50 year durability guarantee.

### Suggested Uses:

#### *Ideal for caulking and sealing:*

- Around windows and doors
- Siding and trim
- Gutters and vents
- Molding

#### *Adheres to:*

- Glass
- Ceramic
- Fiberglass
- Porcelain
- Non-oily woods
- Canvas
- Most metals (*see For Best Results section*)
- Most plastics and rubbers
- Painted surfaces

### Performance Characteristics:

- When cured and washed, the product meets the requirements of FDA Regulation No. 21 CFR 177.2600.

### **Surface Preparation & Application:**

- Remove old caulk from surface. Prepare a clean, dry surface which is free of loose debris, dust, dirt, soap, oil or grease.
- When using 2.8 oz squeeze tube, remove cap and puncture inner seal with other side of cap. Screw on nozzle and cut at 45° angle to desired bead size.
- When using 10.1 oz cartridge, cut nozzle at 45° angle to desired bead size. Puncture inner foil seal. Load into caulking gun.
- Apply sealant to surface, pushing sealant ahead of nozzle.
- Smooth bead with finishing tool if necessary.
- Clean up excess uncured sealant from surface and tools with mineral spirits. Excess cured sealant must be cut or scraped away. Wash hands with soap and water.
- Allow 24 hours for sealant to cure. Sealant will not cure in totally confined spaces.
- When applying to hard rubber or plastic surfaces, lightly sand or roughen surface before application to maximize adhesion.
- When bonding two surfaces together, always clamp until cured, if possible.
- When using sealant to form weather-stripping or other formed rubber parts, place wax paper over sealant to prevent sticking to mating piece until it has cured.
- Reseal for reuse.

### ***For Best Results:***

- Application temperature is between -35°F and 140°F.
- Joint width should not exceed 1/2". If joint depth exceeds 1/2", use backer rod material.
- Not paintable. Paint surfaces before sealing.
- Not recommended for continuous underwater use, below grade use, use on wet surfaces, oily woods, stovepipes or chimneys. Not for fireplace applications, tuck pointing, butt joints, structural glazing or repairing surface defects.
- Not recommended for use on cementitious materials or surfaces that might bleed oils, plasticizers or solvents. Substrates made of methylmethacrylate, polycarbonate, polypropylene, polyethylene and polytetrafluoroethylene do not allow for best adhesion and compatibility with sealant. Try test area before using.
- Not recommended for use on brass, copper, magnesium, zinc, iron, galvanized metals or other surfaces prone to attack by weak acids.
- Do not use where abrasion and physical abuse are encountered.
- Store in temperatures below 90°F in a dry place.

### **Physical & Chemical Characteristics:**

Polymer:	Silicone Rubber
Tooling Time:	5-10 Minutes
Tack Free Time:	10-20 Minutes
Dynamic Joint Movement:	±25%
Paintable:	No
Odor:	Vinegar-like
Consistency:	Smooth, Gunnable Paste
Specific Gravity:	1.03 ±0.01
Solids:	97.0% ±-1.0% by weight
Density:	8.6±-0.10 lbs./gallon
Temperature Service Range:	-40°F to 400°F (after full cure)
Temperature Application Range:	-35°F to 140°F
Freeze Thaw Stable:	Yes
Shelf Life:	1 Year
Coverage:	10.1 fl. oz.: 55 linear ft. at a 3/16" bead size

MSDS No: 2.8 fl. oz.: 15 linear ft. at a 3/16" bead size  
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**Clean Up:**

Remove excess uncured sealant from surfaces and tools with mineral spirits. Wash hands with soap and water. Cured sealant must be cut or scraped away.

**Safety:**

See product label and Material Safety Data Sheet (MSDS) for safety information. You can request an MSDS by visiting our website at [www.dap.com](http://www.dap.com) or by calling **888-DAP-TIPS**.

**Satisfaction Guaranteed:**

If not satisfied with product performance within one year of purchase, return used container and sales receipt to DAP Inc., Technical Customer Service, 2400 Boston Street, Suite 200, Baltimore, MD 21224 for product replacement or sales price refund. DAP will not be liable for incidental or consequential damages.