



# Technical Bulletin

2400 Boston Street, Suite 200, Baltimore, Maryland 21224  
Phone: 410-675-2100 or 800-543-3840

Revised: 8/3/18

## DAP® SILICONE MAX™ Premium All Purpose 100% Silicone Sealant

- Meets ASTM C920, Class 50
- Maximum flexibility & adhesion for extreme joint movement
- 30 minute water ready
- 100% waterproof & weatherproof
- Shrink and crack proof
- Low odor
- Interior/exterior
- Lifetime Guarantee

**Packaging:** 10.1 fl. oz. (300 mL) cartridge

**Color:** White, Clear, Almond, Light Gray, Brown, Black

**UPC Number:** 7079808790, 7079808791, 7079808784, 7079808787, 7079808788, 7079808789

### Company Identification:

Manufacturer: DAP Products Inc., 2400 Boston St., Suite 200, Baltimore, Maryland 21224

Usage Information: Call **1-888-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

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

### Product Description:

**DAP® SILICONE MAX™ PREMIUM ALL PURPOSE 100% SILICONE SEALANT** provides maximum flexibility and adhesion to withstand extreme expansion and contraction caused by temperature and weather fluctuations. DAP® SILICONE MAX™ has twice the joint movement capability of many other sealants so it won't crack or shrink, providing a durable, 100% waterproof and weatherproof seal. It is water resistant in 30 minutes. Ideal for a wide variety of applications such as sealing around windows, doors, siding and trim. Backed by a Lifetime Guarantee. Meets ASTM C920, Class 50. Interior/exterior use.

### Suggested Uses:

*Ideal for caulking and sealing:*

- *Windows and doors*
- *Siding*
- *Gutters and Downspouts*
- *Pipes and Vents*
- *Flashing*
- *Trim*
- *Corner Joints*
- *Above Ground Foundations*

***Adheres to:***

- Vinyl
- Glass
- Most plastics (PVC, ABS)
- Ceramic Tile
- Aluminum
- Fiber Cement Board
- Painted surfaces
- Fiberglass
- Most Metals
- Wood
- Drywall/Plaster

**Surface Preparation & Application:**

1. Surface must be clean, dry and free of old caulk, dirt, dust, debris and grease.
2. Cut nozzle at a 45° angle to desired bead size.
3. Puncture inner foil seal.
4. Load cartridge into caulk gun.
5. Fill gap with sealant.
6. For professional results, smooth bead of sealant with a finishing tool before it skins over.
7. At 73°F & 50% relative humidity, sealant is water resistant at 30 minutes & reaches full cure in 24 hours. Low humidity may slow cure.
8. Clean up uncured sealant with mineral spirits. Scrape or cut away cured sealant. Do not use mineral spirits to clean skin.
9. Reseal cartridge for storage and future use.

**For Best Results:**

- Not paintable. Paint substrate surface before applying sealant.
- Apply in temperatures above 40°F.
- Joint width should not exceed ½". If joint depth exceeds ½", use foam backer rod.
- Allow 24 hours for sealant to fully cure. Sealant will not cure in totally confined spaces.
- Store below 90°F in dry place for optimal shelf life.
- Not recommended for filling butt joints, surface defects, tuck pointing, stovepipes, chimneys, fireplaces applications, continuous underwater use or oily woods and some metals. Not recommended for structural glazing.
- Not recommended on surfaces that might bleed oils, plasticizers or solvents. Best adhesion and compatibility are not achieved with substrates made of methylmethacrylate, polycarbonate, polypropylene, polyethylene or polytetrafluoroethylene. Evaluate such substrates before using sealant.

**Typical Physical & Chemical Characteristics:**

Base:	Silicone
Solids:	>97.0% by weight
Weight Per Gallon:	8.7 lbs./gal.
Service Temperature Range:	-40°F to 300°F
Application Temperature Range:	40°F to 120°F
Consistency:	Smooth Paste
Odor:	Very Mild
Open or Tooling Time:	10-15 minutes
Tack Free Time:	<60 minutes
Tensile Strength:	140-300 psi
Elongation:	>200%
Cleanup:	Mineral Spirits (when uncured)
Shelf Life:	24 months from manufacturing date
Coverage: 10.1 fl. oz. cartridge:	55 linear feet at 3/16" diameter bead
SDS No:	00008790004, 00008791004

**Clean-Up & Storage:**

Remove excess uncured sealant with a solvent-moistened towel. Cured sealant must be cut or scraped away. Clean tools with mineral spirits. Clean hands and skin with soap and water. Store product below 90°F in dry place for optimal shelf life.

**Safety:**

See product label and Safety Data Sheet (SDS) for health and safety information. You can request an SDS by contacting your supplier or visiting our website at [dap.com](http://dap.com).

**Lifetime Guarantee:**

DAP Products Inc. warrants this product for sealant purposes during the lifetime of your home. If product fails to perform when used as directed within one year of purchase, DAP will provide replacement product or sales price refund. Call 1-888-DAP-TIPS with sales receipt and product container available to arrange for warranty fulfillment. DAP is not liable for incidental or consequential damages.