



# Technical Bulletin

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

Revised: 3/24/15

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

- Meets ASTM C920, Class 50
- Maximum Flexibility for Extreme Joint Movement
- Water Resistant in 30 Minutes
- 100% Waterproof & Weatherproof
- Maximum Flexibility
- Shrink and Crack Proof
- Low Odor
- Interior/Exterior
- Lifetime Guarantee

**Packaging:** 10.1 fl. Ounce cartridges (300 mL)  
**Color:** White, Clear  
**UPC Number:** 70798 08790 3 70798 08791 0

### 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  
**Fax Number:** 410-558-1068  
Also, visit the DAP website at [www.dap.com](http://www.dap.com)

### Product Description:

DAP® SILICONE MAX™ is a premium performance 100% silicone sealant that 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, permanent 100% waterproof and weatherproof seal. It is water resistant in 30 minutes. Cured sealant is mold and mildew resistant. Ideal for a wide variety of interior and exterior applications such as sealing around windows, doors, siding and trim. Backed by a Lifetime Guarantee. Meets ASTM C920, Class 50.

### 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
- Hardiboard
- 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 into caulk gun.
5. Fill gap with sealant, pushing sealant ahead of nozzle.
6. For professional results, smooth bead of sealant with a finishing tool.
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 future use.

***For Best Results:***

- *Not paintable. Paint substrate surface before applying sealant.*
- *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.*
- *Joint width should not exceed ½". If joint depth exceeds ½", use polyethylene foam as backup filler.*
- *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.*

**Typical Physical & Chemical Characteristics:**

Base:	Silicone
Solids:	>97.0% by weight
Weight Per Gallon:	8.7 lbs./gal.
Service Temperature Range:	-40°F to 3000°F
Temperature Application Range:	40°F to 120°F
Consistency:	Smooth Paste
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:	18 months from manufacturing date
Coverage: 10.1 fl. oz. cartridge:	55 linear feet at 3/16" diameter bead
SDS No:	00012345678

**Clean-Up:**

Before curing, remove excess material with a solvent-moistened towel. After product has cured, material must be cut or scraped away. Clean tools with mineral spirits. Do not use mineral spirit to clean skin.

**Safety:**

Warning! May cause eye & skin irritation. Contains: Petroleum distillates and methyl tri(ethylmethylketoxime) silane. Methylketoxime is evolved during cure. Repeated or prolonged exposure may cause adverse skin, blood and liver effects. Harmful if swallowed or absorbed through the skin. Do not breathe vapor. Use only w/adequate ventilation. Ensure fresh air entry during application and drying. Avoid contact w/ eye, skin & clothing. Wear gloves & safety glasses. **WARNING:** This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. **FIRST AID:** EYE: Immediately flush eyes w/plenty of water. Get medical attention. SKIN: Wash thoroughly. INHALATION: Remove to fresh air. INGESTION: DO NOT INDUCE VOMITING. Get medical attention if complications arise from any exposure. For emergencies, call your poison control center at 1-800-222-1222. **KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.** See product label and Safety Data Sheet (SDS) for additional safety information. You can request an SDS by visiting our website at **dap.com** or by calling **1-888-DAP-TIPS**.

**Lifetime Guarantee:**

DAP warrants the performance of this product for sealant purposes during the lifetime of your home. If not satisfied, return used container and sales receipt to DAP Products 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.