



# TECHNICAL DATA SHEET

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

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

### 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 rain and water ready in just 30 minutes. Ideal for a wide variety of applications such as sealing around windows, doors, siding and trim. Lifetime Guarantee. Meets ASTM C920, Class 50. Interior/exterior use.



PACKAGING	COLOR	UPC
2.8 fl oz (82.8 mL)	White	7079808796
2.8 fl oz (82.8 mL)	Clear	7079808792
10.1 fl oz (300 mL)	White	7079808790
10.1 fl oz (300 mL)	Clear	7079808791

### KEY FEATURES & BENEFITS

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



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## SUGGESTED USES

### USE FOR CAULKING AND SEALING:

- Windows
- Doors
- Siding
- Trim
- Gutters
- Flashing
- Vents
- Pipes
- Corner joints
- Above ground foundations

### ADHERES TO:

- Wood – painted & unpainted
- Glass
- Ceramic
- Porcelain
- Vinyl
- Most plastics (PVC, ABS)
- Aluminum
- Most metals
- Drywall
- Plaster
- Composite materials
- Fiber cement board
- Fiberglass
- Most common building materials

## FOR BEST RESULTS

- Application temperature range is between -35°F and 120°F.
- Joint width should not exceed 1/2". If joint depth exceeds 1/2", use foam backer rod.
- Allow 24 hours for sealant to fully cure. Sealant will not cure in totally confined spaces.
- 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.
- **Not paintable.** Paint substrate surface before applying sealant.
- 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.

### Product Application

1. If using squeeze tube, remove cap & cut nozzle at 45° angle to desired bead size. Unscrew nozzle & remove foil seal. Replace nozzle.



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2. Is using cartridge, cut nozzle at a 45° angle to desired bead size. Puncture inner foil seal. Load into caulk gun.
3. Fill gap or crack with sealant.
4. If necessary, tool or smooth the bead of sealant with a finishing tool before the sealant skins over.
5. At 73°F & 50% relative humidity, sealant is water resistant at 30 minutes & reaches full cure in 24 hours. Low humidity may slow cure.
6. 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.
7. Sealant is not paintable. Paint surfaces prior to applying sealant.
8. Reseal cartridge/tube for storage and reuse.

## TYPICAL PHYSICAL & CHEMICAL PROPERTIES

<b>Typical Uncured Physical Properties</b>	
Appearance/Consistency	Smooth paste
Base Polymer	Silicone rubber
Filler	Not applicable
Volatile	Not applicable
Weight % Solids	>97%
Density (lbs per gallon)	8.7
Odor	Very mild
Flash Point	>212°F
Freeze Thaw Stability (ASTM C1183)	Will not freeze
Shelf Life	24 months
Coverage	10.1 fl oz: 55 linear feet at 3/16" diameter bead 2.8 fl oz: 15 linear feet at 3/16" diameter bead
<b>Typical Application Properties</b>	
Application Temperature Range	-35°F to 120°F
Tooling Time (Working Time)	10-15 minutes
Tack Free Time	<60 minutes
Full Dry Through	24 hours
Return to Service Time	30 minutes
Vertical Sag (ASTM D2202)	0.05"
<b>Typical Cured Performance Properties</b>	
Service Temperature Range	-40°F to 300°F



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Water Ready Time	30 minutes
Paint Ready Time	Not paintable
Mildew Resistance	Cured sealant is mold & mildew resistant
Dynamic Joint Movement (ASTM C719)	+/-50%

## 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

**LIFETIME GUARANTEE:** DAP warrants this product for sealant purposes during the lifetime of your home, 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

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