



# Technical Bulletin

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

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## DAP® HIGH TEMP 100% RTV Silicone Sealant

- Seals All Extreme Temperature Applications
- Remains Flexible up to 550°F (INTERMITTENT)
- Will Not Crack or Shrink
- Weather Resistant
- Exterior/Interior

**Packaging:** 10.3 fluid ounce cartridges (305 mL)  
**Colors:** Red  
**UPC Numbers:** 7079808013

### Company Identification:

**Manufacturer:** DAP Products 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® HIGH TEMP SILICONE** is a high-performance sealant designed especially for extreme high temperature applications. It provides a long-lasting weather resistant seal with supreme adhesion, flexibility, and durability. It adheres to most common building materials and remains flexible from 40°F to 550°F (intermittent). Meets Fed. Spec. TT-S-00230C, TT-S-001543A, ASTM C920, FDA Reg. No. 21 CFR 177, 2600. Safe for incidental food contact.

### Suggested Uses:

Ideal for Caulking and Sealing:

- Industrial Ovens
- Oven Belts
- Oven Belts
- Oven Windows
- Drying Ovens
- Boilers
- Fired Heaters
- Heating Elements
- Flanged Pipe Joints
- Flues
- Access Doors

**Adheres to:**

- Most Metals
- Ceramic
- Porcelain
- Marble
- Non-Oily Surfaces
- Glass
- Fiberglass
- Plastic
- Painted Surfaces
- Other Construction Materials

**Performance Characteristics:**

- 100% RTV Silicone.
- Ready to use – needs no mixing or additives.
- 100% waterproof / weather resistant.
- Provides a durable, long-lasting protection.
- Will not crack or shrink.
- Mineral spirits clean-up.

**Surface Preparation & Application:**

1. Apply sealant to clean, dry and clear of old sealant. Silicone will not adhere to itself or to other sealants.
2. Cut nozzle at 45° angle to desired bead size.
3. Puncture inner foil seal.
4. Load into conventional caulking gun.
5. Fill gap with caulk, pushing caulk ahead of nozzle.
6. For a neat finish, smooth the bead of caulk with a finishing tool.
7. Clean up excess uncured caulk with mineral spirits. Cured caulk must be cut or scraped away.
8. Reseal cartridge for storage and reuse.
9. Sealant reaches full cure in 24 hours.

**For Best Results:**

- Application temp. range: 0°F to 100°F.
- Not for continuous underwater use.
- 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.
- Fully cured in 24 hours, depending on temperature, humidity and depth of fill.
- Store product in a cool location, away from moisture.

**Typical Physical & Chemical Characteristics:**

Vehicle:	Silicone
Pigment:	Iron oxide
Service Temperature Range:	-40°F to 500°F with excursions to 550°F
Skin Time:	15 minutes
Cure Time:	24 hours
Joint Movement Capability	+/- 25%
Tensile Strength:	265 psi
Elongation at Break:	500%
Density:	8.5 lbs./gal
Odor:	Vinegar-like
Paintable:	No
Consistency:	Smooth, paste
Shelf Life:	12 months
Applications:	Interior/exterior
Coverage:	55 linear feet at 3/16" diameter bead
SDS No:	00015008001

**Clean Up:**

Clean up excess uncured sealant with mineral spirits. Cures in 24 hours. Dried material must be cut or scraped away.

**Safety:**

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

**Warranty Information:**

DAP warrants this product to be free of defects in materials if used as directed within one year of purchase, but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond DAP's control and could affect performance, DAP makes no other warranty, express or implied. DAP's sole obligation shall be, at its option, to replace, or to refund the purchase price for, the quantity of this product proved to be defective. DAP shall not be liable for any other losses or damages, including incidental or consequential damages. For warranty claims, return used container and sales receipt to DAP Products Inc., Technical Customer Service, 2400 Boston St., Baltimore, MD 21224.