



TECHNICAL DATA SHEET

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

DAP® All Purpose RTV 100% Silicone

PRODUCT DESCRIPTION

DAP® ALL PURPOSE RTV 100% SILICONE is a durable, 100% waterproof and weatherproof sealant for sealing out drafts, water and moisture around windows, doors, siding, gutters, flashing, pipes, vents and more. It stays flexible to withstand expansion and contraction without cracking or losing adhesion. Cured sealant is mold and mildew resistant. Interior/exterior use.



PACKAGING	COLOR	UPC
10.1 fl oz (300 mL)	Clear	7079808650
10.1 fl oz (300 mL)	White	7079808651
10.1 fl oz (300 mL)	Black	7079808652
10.1 fl oz (300 mL)	Aluminum	7079808653
2.8 fl oz (82.8 mL)	Clear	7079808630
2.8 fl oz (82.8 mL)	White	7079808631
2.8 fl oz (82.8 mL)	Black	7079808632
2.8 fl oz (82.8 mL)	Aluminum	7079808633

KEY FEATURES & BENEFITS

- When tested in accordance with ASTM C719 meets the ASTM C920, Type S, Grade NS, Use A&G
- 100% waterproof & weatherproof seal
- Flexible
- Complies with FDA regulation for indirect food contact
- Interior/exterior use



TECHNICAL DATA SHEET

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

SUGGESTED USES

USE FOR CAULKING & SEALING:

- Windows
- Doors
- Siding
- Trim
- Pipes
- Vents
- Ducts
- Gutters
- Flashing

ADHERES TO:

- Wood
- Composite wood
- Aluminum
- Most metals*
- Glass
- Ceramic
- Porcelain
- Vinyl
- Most plastics & rubbers
- Most rubbers

FOR BEST RESULTS

- Apply when surface temperatures are between -4°F to 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 continuous underwater use, filling butt joints, surface defects, tuck-pointing, chimneys, stovepipes or fireplace applications. Not recommended for structural glazing.
- Corrodes some metals. *Not recommended for use on or near brass, copper or copper alloys, zinc, iron, galvanized metals or other surfaces prone to attack by weak acids.
- Not for oily woods or cementitious surfaces. 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 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.
2. If 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.



TECHNICAL DATA SHEET

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

4. If necessary, tool or smooth the bead of sealant with a finishing tool before the sealant skins over.
5. Allow sealant to cure for at least 12 hours before exposing to water.
6. Do not touch or clean sealant for 24 hours. Sealant reaches full cure in 24 hours.
7. 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.
8. Sealant is not paintable. Paint surfaces prior to applying sealant.
9. Reseal cartridge/tube for storage and reuse.

TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Typical Uncured Physical Properties	
Appearance/Consistency	Smooth, gunnable paste
Base Polymer	Silicone rubber
Filler	Not applicable
Volatile	Not applicable
Weight % Solids	>97%
Density (lbs per gallon)	8.5
Odor	Vinegar like
Clean Up	Mineral spirits
Flash Point	>212°F (>100°C)
Freeze Thaw Stability (ASTM C1183)	Will not freeze
Shelf Life	18 months
Coverage	10.1 oz: Up to 55 linear feet at 3/16" diameter bead 2.8 oz: Up to 15 linear feet at 3/16" diameter bead
Typical Application Properties	
Application Temperature Range	-4°F to 120°F
Tooling Time (Working Time)	5-10 minutes
Tack Free Time	10-20 minutes
Full Cure	24 hours
Return to Service Time	12 hours
Vertical Sag (ASTM D2202)	0.05"
Typical Cured Performance Properties	
Service Temperature Range	-40°F to 350°F continuous use, up to 400°F intermittent use after full cure
Water Ready Time	12 hours
Paint Ready Time	Not paintable
Dynamic Joint Movement (ASTM C719)	+/-25%



TECHNICAL DATA SHEET

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

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 or calling 888-DAP-TIPS.

LIMITED WARRANTY

LIMITED WARRANTY: If product fails to perform when used as directed, call 888-DAP-TIPS within one year of date of purchase with your sales receipt and product container available for replacement product or sales price refund. DAP Global Inc. will not be responsible for incidental or consequential damages.

COMPANY IDENTIFICATION

Manufactured for: DAP Global Inc., 2400 Boston Street, Baltimore, Maryland 21224

Usage Information: Call 888-DAP-TIPS or visit dap.com & click on “Ask the Expert”

Order Information: 800-327-3339 or orders@dap.com

Fax Number: 410-558-1068

Also, visit the DAP website at dap.com