



# TECHNICAL DATA SHEET

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

## DAP® FIRE STOP Fire-Rated Elastomeric Silicone Sealant

### PRODUCT DESCRIPTION

**DAP® FIRE STOP** is a single component, neutral cure, gun-grade silicone firestopping sealant classified for sealing fire-rated service penetrations and construction joints in horizontal and vertical fire separations. It is an elastomeric, high performance sealant capable of meeting the joint movement requirements in a fire-rated joint. FIRE STOP meets ASTM 814/UL1479 and ASTM E1966/UL 2079 and is tested for up to a four-hour F-Rating at independent laboratories and is approved for both through penetrations and joint applications.



PACKAGING	COLOR	UPC
10.1 fl oz (300 mL)	Limestone Gray	7079818806

### KEY FEATURES & BENEFITS

- Classified for sealing joints & penetrations in fire-rated walls and floors
- Meets ASTM E 814/UL 1479 and ASTM E1966/UL 2079
- 4 hour system tested
- Elastomeric silicone formulation
- Low odor
- Interior use



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## SUGGESTED USES

### CLASSIFIED FOR SEALING FIRE-RATED SERVICE PENETRATIONS AND CONSTRUCTION JOINTS IN HORIZONTAL AND VERTICAL FIRE SEPARATIONS:

#### Penetrations:

- Steel, copper and EMT pipe
- Fiberglass pipe insulation
- Construction joints
- Cables

#### Building Assemblies:

- Concrete and CMU
- Gypsum wallboard

#### ADHERES TO:

- |            |                      |          |
|------------|----------------------|----------|
| • Wood     | • Most plastics      | • Stone  |
| • Aluminum | • Plaster & drywall  | • Brick  |
| • Metal    | • Painted surfaces   | • Glass  |
| • Vinyl    | • Concrete & masonry | • Stucco |

#### UL TESTED FIRESTOP SYSTEMS:

JOINT SYSTEMS	THROUGH PENETRATIONS
FF-S-0036 (FF-S-0027)	C-AJ-5327 (C-AJ-5142)
FF-S-0073	C-AJ-1598 (C-AJ-1336)
FF-S-1085	W-L-3352 (W-L-3098)
HW-D-0060	W-L-5285
HW-D-0061	
HW-D-0119	
HW-D-0120	
HW-D-1011	
HW-D-1012	
HW-D-0555	
HW-D-0251	
WW-D-1077	
WW-D-1078	
WW-D-0043	
WW-D-0089	

## FOR BEST RESULTS

- Apply in temperatures above 40°F.
- For annular space exceeding 13/16", a backer support material of mineral wool is required.



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- Recommended only for use in passive fire containment systems specifically listed or approved for DAP Products Inc. in the UL/ULC Fire Resistance Directory.
- Do not apply over damp or contaminated surfaces.
- Not for use in stoves, fireplaces or other areas routinely exposed to high heat or flames, or for ASTM E136 applications.
- Store in a cool dry place.

## APPLICATION

### **Surface Preparation**

Apply sealant to clean, dry surfaces free of frost, grease and oil in temperatures above 40°F.

### **Installation:**

Refer to the current UL/ULC Fire Resistance Directory for complete information or alternative approvals. The firestop system details will cover the required sealant depths, necessary amount of packing material and the permitted joint size or annular space. For exact “F” and “T” ratings and uses, ALWAYS refer to detailed drawings in the current UL/ULC Fire Resistance Directory or visit [www.ul.com](http://www.ul.com) to access online information.

### **Product Application**

1. Cut nozzle at a 45° angle to desired bead size.
2. Puncture inner foil seal.
3. Load cartridge into caulk gun.
4. Do not apply to surfaces previously painted or treated with a sealer, curing compound, water repellent, or other coating without first getting confirmation from the coating manufacturer that their coating is compatible with DAP® FIRE STOP Sealant.
5. Remove coatings as required. Normally FIRE STOP Sealant does not require priming for most common building materials. However, some special surfaces may require a primer. We recommend a trial application before starting a project to test adhesion.
6. Immediately remove all excess wet sealant and smears with IPA or MEK before sealant cures. Excess cured sealant must be cut or scraped away. Use soap and water to clean hands and skin.

## TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Typical Uncured Physical Properties	
Appearance/Consistency	Gunnable, non-sag paste
Vehicle	Silicone
Volatile	Not applicable
Weight % Solids	>98%
Density (lbs per gallon)	11.4
Odor	Low
Flash Point	>212°F
Freeze Thaw Stability (ASTM C1183)	Will not freeze
Shelf Life	12 months



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Coverage	55 linear feet at 3/16" bead size
<b>Typical Application Properties</b>	
Application Temperature Range	40°F to 110°F
Tooling Time (Working Time)	15 minutes
Tack Free Time	18-26 minutes
Full Cure Time	14-21 days
<b>Typical Cured Performance Properties</b>	
Service Temperature Range	-40°F to 300°F with peaks to 350°F
Paintable	No
Joint Movement Capability (ASTM C719; UL2079 class I, II, III)	+/- 33%
Flame Spread (ASTM E84)	0
Smoke Development (ASTM E84)	15

## CLEAN UP & STORAGE

Immediately remove all excess uncured sealant and smears with Isopropyl Alcohol or Methyl Ethyl Ketone (M.E.K.). DO NOT use solvents to remove product from skin. Excess cured sealant must be cut or scraped away. Store container in a cool, dry place, under 80°F and away from extreme heat or cold.

## SAFETY

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

## WARRANTY

DAP warrants this product to be free of defects in materials, 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, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE. With respect to this product, DAP's sole obligation shall be, at its option, to replace or 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. If product fails to perform when used as directed, within one year of date of purchase, call 888-DAP-TIPS with your sales receipt and product container available, for replacement product or sales price refund.



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## 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)**