



Technical Bulletin

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

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DAP® Fire Stop Fire-Rated Silicone Sealant

- Meets ASTM E 814/UL 1479 and ASTM E1966/UL 2079
- Classified for sealing fire-rated service penetrations and construction joints in horizontal and vertical fire separations
- Elastomeric silicone formulation

Packaging: 10.1 fluid ounce cartridges (300 mL)
Colors: Limestone Gray
UPC Numbers: 0 70798 18806 8

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.

Product Description:

DAP® Fire Stop is a single component, neutral cure, gun-grade silicone firestopping sealant. It is an elastomeric, high performance sealant capable of meeting the joint movement requirements in a fire-rated joint. **Fire Stop** is tested for up to a four-hour F-Rating at independent laboratories and is approved for both through penetrations and joint applications.

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

Applicable Test Standards:

- ASTM E 814/UL 1479: Standard Test Method for Fire Tests of Through Penetration Firestops
- ASTM E 1966/UL 2079: Test for Fire Resistance of Building Joint Systems
- CAN4-S115M: Standard Method of Fire Tests of Firestop Systems

UL/cUL System Numbers Approved For:***Joint System Nos:***

BW-S-0043	FW-D-0082	HW-D-0786
CJ-D-0022	FW-D-0083	HW-D-0788
CJ-D-0023	FW-D-0084	HW-D-1117
CJ-D-0024	FW-D-0085	HW-D-1118
FF-D-0129	FW-D-1110	HW-D-1119
FF-D-0130	FW-D-1111	HW-D-1120
FF-D-0131	FW-D-1112	HW-D-1121
FF-D-0132	FW-D-1113	HW-S-0120
FF-D-1179	FW-D-1114	HW-S-0121
FF-D-1180	FW-D-1115	WW-D-0209
FF-D-1181	FW-D-1116	WW-D-0210
FF-D-1182	FW-S-0021	WW-D-0211
FF-D-1183	FW-S-0022	WW-D-0212
FF-D-1184	FW-S-1024	WW-D-1078
FF-D-1185	HW-D-0781	WW-D-1196
FF-S-0036	HW-D-0782	WW-D-1197
FF-S-0042	HW-D-0555	WW-D-1198
FF-S-0043	HW-D-0783	WW-D-1199
FF-S-1046	HW-D-0784	WS-S-0078
FW-D-0081	HW-D-0785	WS-S-0079

Through-Penetration Firestop System Nos:

C-AJ-0161	C-BJ-7007	W-J-7154
C-AJ-0162	F-A-0035	W-J-7155
C-AJ-1598	F-A-1156	W-J-7156
C-AJ-1674	F-A-1157	W-L-1529
C-AJ-2773	F-A-1158	W-L-1530
C-AJ-2774	F-A-5056	W-L-1451
C-AJ-2775	F-A-5057	W-L-1531
C-AJ-3346	F-A-5058	W-L-1532
C-AJ-5386	W-J-1267	W-L-3429
C-AJ-5327	W-J-1268	W-L-3352
C-AJ-5387	W-J-1269	W-L-5285
C-AJ-5388	W-J-1270	W-L-7255
C-AJ-7178	W-J-1271	W-L-7256
C-AJ-7183	W-J-1272	W-L-7257
C-AJ-7184	W-J-3232	W-L-7258
C-AJ-7185	W-J-3233	W-L-7259
C-AJ-7186	W-J-3234	
C-AJ-8265	W-J-5174	

Surface Preparation & Application:

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 to access online information.

1. Apply sealant to clean, dry surfaces free of frost, grease and oil in temperatures above 40°F.
2. Cut nozzle at 45° angle to desired bead size and load into conventional caulking gun. Puncture inner foil seal.
3. Hold cartridge at 45° angle and fill the opening around the penetrant (annular space) or the linear opening in the joint with the minimum specified thickness of sealant.
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**. 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.

For Best Results:

- Apply in temperatures above 40° F.
- Store in a cool dry place.
- For annular space exceeding 13/16”, a backer support material of mineral wool is required.
- 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 E 136 applications.

Typical Physical & Chemical Characteristics:

Solids:	>98%
Service Temperature Range:	-40°F to 300°F with peaks to 350°F
Application Temperature Range:	40°F to 110° F
Tack Free Time:	< 30 minutes at 73°F, 50% RH
Cure Time:	14 to 21 days depending on temperature, humidity, joint depth
Movement Capability	+/- 33%
Dynamic Joint Movement:	As rated in the UL Joint System
Density:	11.4 lbs./gal
Paintable:	No
Consistency:	Gun Grade
Shelf Life:	12 months when stored between 40°F – 110°F
Applications:	Interior
SDS No:	00077364001

Clean Up:

Immediately remove all excess sealant and smears with Isopropyl Alcohol or Methyl Ethyl Ketone (M.E.K.) before sealant cures. DO NOT use solvents to remove product from skin.

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 or by calling 888-DAP-TIPS.

Warranty Information:

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 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. If product fails to perform when used as directed, within one year of date of purchase, return used container and sales receipt to DAP Products Inc., Technical Customer Service, 2400 Boston St., Baltimore, MD 21224, for replacement product or sales price refund.