



# Technical Bulletin

2400 Boston Street, Suite 200, Baltimore, Maryland 21224  
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## DAP<sup>®</sup> BLOCKADE<sup>®</sup> High Performance Intumescent Acrylic Sealant

- Meets ASTM E- 814/UL 1479
- Intumescent expansion fills voids created by combustible materials burned during a fire.
- Treats general firestopping applications for combustible and non-combustible penetrations.
- Excellent adhesion to unprimed surfaces.
- Red color easily recognized as a firestop sealant.

**Packaging:** 10.1 fluid ounce cartridge  
**Colors:** Red  
**UPC Numbers:** 70798 18858

### Company Identification:

**Manufacturer:** DAP Products Inc., 2400 Boston St., Ste. 200, Baltimore, Maryland 21224  
**Usage Information:** DAP HELPLINE: 888-DAP-TIPS, 9:00 am to 7:00 pm EST.  
**Order Information:** 800-327-3339  
**Fax Number:** 410-534-2650  
Also, visit the DAP website at [www.dap.com](http://www.dap.com).

### Product Description:

DAP<sup>®</sup> BLOCKADE<sup>®</sup> is a single component, water-based intumescent acrylic firestop sealant. The intumescent property of DAP<sup>®</sup> BLOCKADE<sup>®</sup> means that the material will expand to fill the void caused from combustible materials burned during a fire. DAP<sup>®</sup> BLOCKADE<sup>®</sup> is a unique firestopping sealant that has been tested at independent laboratories to treat 95% of the applications you encounter on the job. DAP<sup>®</sup> BLOCKADE<sup>®</sup> also has exceptional sealant qualities, such as superb unprimed adhesion, excellent flexibility, easy gunning and is paintable once fully cured.

**Use On:** Treats general firestopping applications for combustible and non-combustible penetrations.

### Suggested Uses:

- Steel, copper and EMT pipe
- Romex, cables, jacketed cables and bundles
- Plastic pipe (vented and closed)
- Ductwork
- Wood frame construction
- Fiberglass & AB/PVC pipe insulation
- Concrete and CMU
- Gypsum wallboard

**Adheres To:**

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

**Performance Characteristics:**

- ASTM E-814/UL 1479:  
Standard Test Method for Fire Tests of Through Penetration Firestops

**Through Penetration Assembly Numbers:**

C-AJ-1599 (C-AJ-1337)	F-C-1160 (F-C-1068)	W-L 2542 (W-L-2214 & W-L-2215)
C-AJ-2624 (C-AJ-2280)	F-C- 2390 (F-C-2169)	W-L 3353 (W-L-3159)
C-AJ- 2625 (C-AJ-2363)	F-C- 3105 (F-C-3053)	W-L- 5286 (W-L-5112)
C-AJ-3303 (C-AJ-3172)	F-C-5084 (F-C-5041)	W-L- 5287 (W-L-5113)
C-AJ- 5328 (C-AJ-5143)		W-L- 7192 (W-L-7053)
C-AJ-5329 (C-AJ-5144)		W-L- 8088 (W-L-8038)
C-AJ-8200 (C-AJ-8116)		W-L 1452 (W-L-1203)
C-AJ-7141 (C-AJ-7057)		

\*Number in ( ) is the previous system number.

**Surface Preparation & Application:**

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.
3. Hold cartridge at 45° angle and fill the opening around the penetrant (annular space).
4. For annular space exceeding 13/16”, a backer support material of mineral wool is required.
5. 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® BLOCKADE®** Sealant. Remove coatings as required. Normally **DAP® BLOCKADE®** 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.

**Installation:**

Refer to the current UL Fire Resistance Directory for specific application instructions. 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 Fire Resistance Directory.

**For Best Results:**

- Apply in temperatures above 40°F.
- Store in a cool dry place above 70°F.
- Do not allow product to freeze.
- 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 Inc. in the UL 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.

**Storage:**

Store in unopened containers in dry areas under 80°F. Protect from freezing.

**Physical & Chemical Characteristics:**

Solids:	60% min.
Service Temperature Range:	15°F to 120°F
Application Temperature Range:	40°F to 120°F
Tack Free Time:	2 to 4 hours
Cure Time:	14 to 28 days depending on temperature, humidity, joint depth
Density:	9.82 lbs./gal. min
Paintable:	Yes - after 4 hours
Consistency:	Gun Grade
Shelf Life:	12 months
Applications:	Interior
MSDS No:	00077365001

**Clean Up:**

Equipment should be cleaned with water. **DAP® BLOCKADE®** can be removed from tools, caulking guns, and installation smears with water while the sealant is still wet.

**Safety:**

See product label and Material Safety Data Sheet (MSDS) for safety information. You can request an MSDS 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, 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 warranties, 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. Return used container and sales receipt to DAP Products Inc., Technical Customer Service, 2400 Boston St., Baltimore, MD, 21224, for product replacement.