



Technical Bulletin

2400 Boston Street, Suite 200, Baltimore, Maryland 21224
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DAP® BLOCKADE® High Performance Intumescent Acrylic Sealant

- Meets ASTM E- 814/UL 1479.
- 4 hour system tested.
- 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 cartridges (300 mL)
Colors: Red
UPC Numbers: 70798 18858

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

Suggested Uses:

Treats general firestopping applications for combustible and non-combustible penetrations.

Ideal for caulking and sealing:

- Steel, cooper and EMT pipe
- Romex, cables and jacketed cables
- Plastic pipe (vented and closed)
- Ductwork
- Wood frame construction
- Fiberglass & PVC pipe insulation
- Concrete and concrete masonry unit
- Gypsum wallboard

Adheres to:

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

Applicable Test Standards:

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

UL/cUL System Numbers Approved For:

Firestop System Nos:

C-AJ-1599	C-AJ-5392	F-C-2451	W-J-2298+	W-L-5287	W-L-3432
C-AJ-1675	C-AJ-5393	F-C-2452	W-J-2299+	W-J-7157	W-L-3353
C-AJ-1676	C-AJ-7187	F-C-2453	W-J-2300	W-J-7158	W-L-4093
C-AJ-1678	C-AJ-7188	F-C-3105	W-J-2301	W-J-7159	W-L-5328
C-AJ-1679	C-AJ-7141	F-C-3115	W-J-2302+	W-J-7160	W-L-5329
C-AJ-2624	C-AJ-7189	F-C-5084	W-J-2303	W-J-7161	W-L-5330
C-AJ-2776	C-AJ-7190	F-C-7072	W-J-2304+	W-J-7162	W-L-5331
C-AJ-2777	C-AJ-7191	F-C-7075	W-J-2542	W-L-7192	W-L-5332
C-AJ-2625	C-AJ-8200	F-C-8049	W-J-3235	W-J-8059	W-L-5333
C-AJ-2778	C-AJ-8266	F-E-1036	W-J-3236	W-L-1533	W-L-5334
C-AJ-2779	C-AJ-8267	F-E-1037	W-J-3237	W-L-1534	W-L-7260
C-AJ-2780	C-AJ-8268	F-E-3022	W-L-4082	W-L-1535	W-L-7261
C-AJ-3347	F-A-1159	F-E-5015	W-J-5175	W-L-1536	W-L-7262
C-AJ-3303	F-A-2272+	W-J-1273	W-J-5176	W-L-1537	W-L-7263
C-AJ-3348	F-A-2273	W-J-1274	W-J-5177	W-L-2643+	W-L-7264
C-AJ-5389	F-A-5059	W-J-1275	W-J-5178	W-L-2644+	W-L-8088
C-AJ-5328	F-C-1160	W-J-1276	W-J-5179	W-L-2645+	
C-AJ-5390	F-C-1173	W-J-1277	W-J-5180	W-L-2646	
C-AJ-5329	F-C-2390	W-J-1278	W-J-5182	W-L-2647	
C-AJ-5391	F-C-2450	W-J-1452	W-L-5286	W-L-3431	

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.
3. Puncture inner foil seal.
4. 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.
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 **BLOCKADE**® Sealant. Remove coatings as required. Normally **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.

For Best Results:

- Apply in temperatures above 40° F.
- Store in a cool dry place between 40°F and 110°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 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:	60% min.
Service Temperature Range:	15°F to 120°F
Application Temperature Range:	40°F to 110° F
Tack Free Time:	30 – 60 minutes at 77°F, 50% RH
Cure Time:	14 to 21 days depending on temperature, humidity, joint depth
Density:	10.6 lbs./gal
Paintable:	Yes – after 4 hours
Consistency:	Gun Grade
Shelf Life:	12 months
Applications:	Interior
SDS 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 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.