



TECHNICAL DATA SHEET

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

DAP® BLOCKADE® Fire-Rated High Performance Intumescent Acrylic Sealant

PRODUCT DESCRIPTION

DAP® BLOCKADE® is a single component, water-based intumescent, acrylic firestop sealant that meets ASTM E814/UL 1479 and is 4 hour system tested. It treats general firestopping applications for combustible and non-combustible penetrations. The intumescent expansion fills voids created by combustible materials burned during a fire. BLOCKADE® also has exceptional sealant qualities, such as superb unprimed adhesion, excellent flexibility, easy gunning, and is paintable once fully cured. It is low in odor and cleans up easily with water. The red color is easily recognized as a firestop sealant. Interior use.



PACKAGING	COLOR	UPC
10.1 fl oz (300mL) Cartridge	Red	7079818858

KEY FEATURES & BENEFITS

- Treats general firestopping applications for combustible and non-combustible penetrations
- Meets ASTM E814/UL 1479: Standard Test Method for Fire Tests of Penetration Firestop Systems
- 4 hour system tested
- Intumescent expansion fills voids created by combustible materials burned during a fire
- Excellent adhesion to unprimed surfaces
- Red color easily recognized as a firestop sealant
- Easy water clean-up & low odor
- Interior use



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SUGGESTED USES

TREATS GENERAL FIRESTOPPING APPLICATIONS FOR COMBUSTIBLE & NON-COMBUSTIBLE PENETRATIONS:

- Steel, cooper and EMT pipe
- Plastic pipe (vented and closed)
- Fiberglass & AB/PVC pipe insulation
- Romex, cables, jacketed cables, bundles
- Ductwork

BUILDING ASSEMBLIES:

- Concrete and concrete masonry unit (CMU)
- Gypsum wallboard
- Wood frame construction

ADHERES TO:

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

UL TESTED FIRESTOP SYSTEMS:

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)	F-C-1050	W-L- 7192 (W-L-7053)
C-AJ-5329 (C-AJ-5144)	F-C-2144	W-L- 8088 (W-L-8038)
C-AJ-8200 (C-AJ-8116)	F-C-3037	W-L 1452 (W-L-1203)
C-AJ-7141 (C-AJ-7057)	F-C-3085	W-L-1158
C-AJ-1064	F-C-5055	W-L-1328
C-AJ-5067	C-AJ-8134	W-L-3131
C-AJ-5111		W-L-5081
C-AJ-5121		W-L-5115
C-AJ-5287		W-L-1302
C-AJ-1302		W-L-2129
C-AJ-1448		W-L-2463
C-AJ-2184		W-L-7039
C-AJ-2360		W-L-8036
C-AJ-3141		
C-AJ-5111		
C-AJ-7090		



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FOR BEST RESULTS

- Apply in temperatures above 40°F.
- 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 E136 applications.
- Store in a cool dry place between 40°F and 110°F.
- Do not allow product to freeze.

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 application instructions, 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.

Product Application

1. Cut nozzle at 45° angle to desired bead size and load into conventional caulking gun.
2. 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 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.
5. Equipment should be cleaned with water. BLOCKADE can be removed from tools, caulk guns, and installation smears with water while the sealant is still wet. Excess dried sealant must be cut or scraped away.

TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Typical Uncured Physical Properties	
Appearance/Consistency	Gunnable, non-sag paste



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Base Polymer	Acrylic latex
Volatile	Water
Weight % Solids	76%
Density (lbs per gallon)	10.6
Odor	Mild
Clean Up	Water
Flash Point	>212°F
Freeze Thaw Stability (ASTM C1183)	Do not allow to freeze
Shelf Life	12 months
Coverage	55 linear feet at 3/16" bead size
Typical Application Properties	
Application Temperature Range	40°F to 110°F
Tooling Time (Working Time)	30 minutes
Tack Free Time	30-60 minutes
Full Dry Through Time	14-28 days
Typical Cured Performance Properties	
Paint Ready Time	4 hours
Flame Spread (ASTM E84)	0
Smoke Development (ASTM E84)	5
CPVC Compatible	Yes
Volume Expansion	8 to 10X
Onset of Expansion (°C)	200
Expansion Temperature Range (°C)	200 to 800

CLEAN UP & STORAGE

Clean up excess wet caulk with a damp sponge before it skins over. Excess dried caulk must be cut or scraped away. Clean hands and tools with warm water and soap. Store container in a cool, dry place with temperatures between 40°F to 110°F.

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.



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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.

COMPANY IDENTIFICATION

Manufactured for: DAP Products 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