



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, CAN/ULC-S115M 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 odour and cleans up easily with water. The red colour is easily recognized as a firestop sealant. Interior use.



PACKAGING	COLOUR	UPC
300mL (10.1 fl oz.) Cartridge	Red	7079874058

KEY FEATURES & BENEFITS

- Treats general firestopping applications for combustible and non-combustible penetrations
- Meets ASTM E814/UL 1479 & CAN/ULC-S115M : 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 colour easily recognized as a firestop sealant
- Easy water clean-up & low odour
- 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 |
| • Aluminium | • Plaster & drywall | • Brick |
| • Metal | • Painted surfaces | • Glass |
| • Vinyl | • Concrete & masonry | • Stucco |

UL TESTED FIRESTOP SYSTEMS:

BW-S-0006	C-AJ-5089	C-AJ-8134	F-C-5055	TLPH 120-06	W-J-5091	W-L-1278	W-L-5081
C-AJ-1205	C-AJ-5111	C-AJ-8158	F-C-7033	TLPH 60-01	W-J-5095	W-L-1302	W-L-5083
C-AJ-1302	C-AJ-5120	C-AJ-8165	F-C-7036	TLPH 60-04	W-J-5096	W-L-1327	W-L-5115
C-AJ-1448	C-AJ-5121	CJ-D-0015	F-C-7037	TLPV 120-10	W-J-5097	W-L-1328	W-L-5192
C-AJ-1515	C-AJ-5231	CJ-D-0016	F-C-7046	W-J-1129	W-J-5100	W-L-1361	W-L-5204
C-AJ-1520	C-AJ-5287	CJ-D-0017	F-C-8035	W-J-2133	W-J-5105	W-L-2129	W-L-5209
C-AJ-1529	C-AJ-5324	F-A-108	F-E-1011	W-J-2134	W-J-5120	W-L-2158	W-L-5232
C-AJ-2184	C-AJ-7002	F-A-2029	F-E-1012	W-J-2136	W-J-5121	W-L-2159	W-L-5233
C-AJ-2229	C-AJ-7005	F-A-5010	F-E-3009	W-J-2168	W-J-7056	W-L-2412	W-L-7039
C-AJ-2360	C-AJ-7044	F-C-1050	F-E-5006	W-J-2175	W-J-7069	W-L-2420	W-L-7113
C-AJ-2615	C-AJ-7090	F-C-1054	FF-D-0041	W-J-2203	W-J-7073	W-L-2463	W-L-7125
C-AJ-2618	C-AJ-7136	F-C-2360	Fire System F-C-2359	W-J-3093	W-J-7083	W-L-3131	W-L-7142
C-AJ-2621	C-AJ-7139	F-C-2381	FW-D-0034 (CAN)	W-J-3104	W-J-7098	W-L-3145	W-L-7172
C-AJ-3141	C-AJ-8004 (CAN)	F-C-2383	HW-D-0344	W-J-3105	W-J-7099	W-L-3212	W-L-7173
C-AJ-3144	C-AJ-8005 (CAN)	F-C-3037	HW-S-0059	W-J-4053	W-J-8024	W-L-3346	W-L-8036
C-AJ-3297	C-AJ-8111	F-C-3085	TLPH 120-05	W-J-5001 (CAN)	W-L-1158	W-L-4056	WW-D-0041



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FOR BEST RESULTS

- Apply in temperatures above 4.4°C.
- For annular space exceeding 21 mm (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 4.4°C and 43°C.
- Do not allow product to freeze.

APPLICATION

Surface Preparation

Apply sealant to clean, dry surfaces free of frost, grease and oil in temperatures above 4.4°C.

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.



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TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Typical Uncured Physical Properties	
Appearance/Consistency	Gunnable, non-sag paste
Base Polymer	Acrylic latex
Volatile	Water
Weight % Solids	76%
Specific Gravity	1.38
Odour	Mild
Clean Up	Water
Flash Point	>100°C
Freeze Thaw Stability (ASTM C1183)	Do not allow to freeze
Shelf Life	12 months
Coverage	15.3 linear meters (55 linear feet) at 5 mm (3/16") bead size
Typical Application Properties	
Application Temperature Range	4.4°C to 43°C
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



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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 4.4°C to 43°C.

SAFETY

See product label or Safety Data Sheet (SDS) for health and safety information. You can request an SDS by visiting our website at dap.ca or calling 888-DAP-TIPS.

WARRANTY

DAP Canada, DAP Products Inc. and their respective affiliates will not accept liability for more than replacement product or sales price refund under any circumstances.

COMPANY IDENTIFICATION

Manufactured for: DAP Canada, 475 Finchdene Square, Unit 5, Scarborough, ON, M1X 1B7

Usage Information: Call 888-DAP-TIPS or visit dap.ca & click on "Ask the Expert"

Order Information: 800-668-9397 or 416-321-1522

Fax Number: 416-321-3325

Also visit the DAP website at dap.ca