



FIREBARRIER ACRYLIC SEALANT

1. PRODUCT NAME

A/D FIREBARRIER Acrylic Sealant

2. PRODUCT DESCRIPTION

A/D FIREBARRIER Acrylic Sealant is a single component, water-based acrylic sealant intended for use as a firestop system component.

Basic Use: A/D FIREBARRIER Acrylic Sealant is designed for economical use in joint and service penetration firestop configurations. It forms a durable, flexible, watertight bond with most construction materials. In most cases, no primer is required. May be applied by caulking gun or trowel. Physical properties will remain stable over time.

Composition and Materials:

A/D FIREBARRIER Acrylic Sealant is designed to tool easily. It is water based and must be protected from freezing and from water until fully cured. Store and install at temperatures above 40°F (5°C).

Color: Red

Packaging: See table 2. Refer to the A/D FIREBARRIER estimating guide for complete volume and coverage information.

Application Limitations:

- Do not install when ambient temperature or temperature of substrate is below 40°F (5°C).
- Protect from freezing and water until sealant is fully cured.
- Do not install to surfaces with special protective or cosmetic coatings without prior consultation with manufacturer and first testing adhesion.
- Do not install where abrasion or physical abuse is anticipated.
- For best economy and performance the product should be applied to a thickness equal to or slightly greater than the minimum test design thickness.
- Excessive depth to width ratios may cause sealant failure – **do not apply excessive thickness.** As a guideline, we recommend that the minimum test system thicknesses not be exceeded by more than 25%.

Table 1 – PHYSICAL PROPERTIES*

Color	Red
pH	7.0 - 9.0
VOC (grams/liter): EPA Method 310	35
Flame Spread (ASTM E84)	15
Smoke Developed (ASTM E84)	0
STC Rating ASTM E90	Restored to 56 in a U411 wall
Antifungal	Contains antifungal additive
Cure Time	3 - 5 days
Skin over Time	Overnight
Movement Capability: (UL 2079; class I, II, III)	± 33 %, maximum
Shore "A" Hardness (ASTM C-661)	15 - 20
Application Temperature	40 - 110°F (5 - 43°C)
Freeze Sensitive	Yes
Paintable	Yes

*Values given above are not intended for specification preparation.

Standards: A/D FIREBARRIER Acrylic Sealant has been tested in accordance with the following: ANSI/UL1479, ANSI/UL 2079, ASTM E814 and CAN/ULC-S115M.

3. TECHNICAL DATA

A/D FIREBARRIER Acrylic Sealant is listed by ULI. For details of rated firestop systems see ULI' s Fire Resistance Directory, Volume 2. Systems certified for use in Canada are available under the cUL mark.

4. INSTALLATION

Clean all openings to be firestopped by removal of foreign matter and contaminants such as oil, dust, grease, frost, water, surface dirt, old sealants, glazing compounds, protective coatings etc. Cleaning of all surfaces should be done on the same day in which the sealant is applied.

Priming: A/D FIREBARRIER Acrylic Sealant does not require priming. In view of the unpredictability of surface characteristics, it is recommended that a test sample of sealant be applied on the surface to test adhesion.

Masking: Areas adjacent to openings to be firestopped can be masked to assure a neat appearance. The masking tape

should not be allowed to touch the clean surface to which the sealant is to adhere. Remove masking tape immediately.

Install backup materials as specified. Excess sealant should be wiped from glass, metal and plastic surfaces while uncured. Clean up is with water.

CURED SEALANT IS USUALLY VERY DIFFICULT TO REMOVE WITHOUT ALTERING OR DAMAGING THE SURFACE TO WHICH THE SEALANT HAS BEEN APPLIED.

Precaution: May cause irritation. May be harmful if swallowed. Avoid getting in eyes. Wash hands thoroughly after handling. Use only as directed.

Keep out of reach of children.

To safely use this product, read and abide by Material Safety Data Sheet (MSDS).

Shelf Life: When stored at or below 110°F (43°C) and above 40°F (5°C), A/D FIREBARRIER Acrylic Sealant has a shelf life of one year from date of manufacture.

Note: Protect from freezing.

Table 2

Type of Packaging	Size	Volume	Coverage at ¼" deep x 1" wide
Cartridges	10.1 fl. oz. (300 mL)	18.2 in ³ (300 cm ³)	6.1 lineal ft. (1.86 lineal m)
	28.7 fl. oz. (850 mL)	51.8 in ³ (850 cm ³)	17.3 lineal ft. (5.27 lineal m)
Foil packs	20 fl. oz. (600 mL)	36 in ³ (600 cm ³)	12.2 lineal ft. (3.72 lineal m)
Pails	5 gal (18.9 L)	1155 in ³ (18900 cm ³)	384.4 lineal ft. (117.18 lineal m)

5. AVAILABILITY AND COST

Availability: A/D sales offices and technical representatives are located throughout North America. (See below)

6. MAINTENANCE

No maintenance should be required. If sealant becomes damaged, replace damaged portion. Clean surfaces in damaged area and repair with fresh A/D FIREBARRIER Acrylic Sealant. Damage by other trades should be patched at the expense of trade causing damage.

7. TECHNICAL SERVICES

Contact nearest A/D office.



Head Office: 420 Tapscott Road, Scarborough, Ontario, M1B 1Y4
 Tel: (800) 263-4087 or (416) 292-2361 Fax: (416) 298-5887
www.adfire.com