

# FIREBARRIER SPRAYACRYLIC

## 1. PRODUCT NAME

A/D FIREBARRIER SprayAcrylic

## 2. PRODUCT DESCRIPTION

A/D FIREBARRIER SprayAcrylic is a single component, water-based elastomeric that cures to a durable, flexible, fire resistant seal.

**Basic Use:** A/D FIREBARRIER SprayAcrylic is designed for use as a firestop sealant in joint firestop configurations including head-of-wall, curtain wall, perimeter and floor to wall construction joints.

### Composition and Materials:

A/D FIREBARRIER SprayAcrylic is water-based. It is designed for spray and trowel application to vertical and horizontal surfaces. It forms durable, flexible, watertight bonds with most materials. Physical properties will remain stable over time. Product contains mold growth inhibitors.

A/D FIREBARRIER SprayAcrylic contains water and is best if protected from freezing. If frozen, thaw completely before use. Store, transport and install at temperatures above 40°F (5°C).

**Packaging:** A/D FIREBARRIER SprayAcrylic is available in 5 US gallon (18.9 L) pails. Coverage per pail is approximately 67 ft<sup>2</sup> (6.3 m<sup>2</sup>) at 1/8-in. (3 mm) wet thickness.

**Color:** Red

### 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 apply to surfaces with special protective or cosmetic coatings without first testing adhesion and prior consultation with manufacturer.
- Not intended for immersion or continuous exposure to water.
- Do not install on hot surfaces above 200°F (90°C).
- A/D FIREBARRIER SprayAcrylic has been tested in numerous firestop joint firestop systems. For optimum economy and performance, the product should be applied to a thickness equal to or slightly greater than the

**Table 1 – PHYSICAL PROPERTIES\***

Color	Red
pH	7.0 - 9.0
VOC (grams/liter): EPA Method 310	65
Flame Spread (ASTM E84)	15
Smoke Development (ASTM E84)	0
STC Rating ASTM E90	Restored to 59 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)	± 25 %, 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.

required 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%.

## 3. TECHNICAL DATA

**Standards:** A/D FIREBARRIER SprayAcrylic has been tested and in accordance with the following: ANSI/UL1479, ANSI/UL2079, ASTM E814 and CAN4/ULC-S115M.

For details of rated firestop systems see UL's Fire Resistance Directory, Volume 2. Systems certified for use in Canada are available under the cUL mark.

### Surface Burning Characteristics: (ASTM E84)

Flame Spread: 15

Smoke Developed: 0

## 4. INSTALLATION

No dilution or mixing is required for use. 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.

**Priming:** Generally, a primer will not be required. It is recommended that a test sample of sealant be applied on the surface to test adhesion.

**Masking:** Surfaces 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.

**Forming/Backing:** Install forming / backing material as specified by the tested firestop system. Unless otherwise specified, A/D FIREBARRIER Mineral Wool is the recommended backup material.

**Application:** A/D FIREBARRIER SprayAcrylic may be applied by spray or trowel to vertical and horizontal surfaces.

Refer to tested firestop system for minimum wet film thickness that is required - usually 1/8 (3.2 mm). Use a wet film gauge to measure wet film thickness. Apply A/D FIREBARRIER SprayAcrylic so as to seal the mineral wool backer with the required thickness and overlap adjacent surfaces a minimum of 1/2 in. (13 mm) or as otherwise specified in tested firestop system. Excess sealant should be wiped from glass, metal and plastic surfaces while uncured. Clean up with water. Follow equipment manufacturers' instructions for clean up and use. Protect adjacent surfaces from overspray and unintended contact - **Cured Sealant**

**Table 2 – Quick Reference Guide –  
Spray Application of SprayAcrylic**

Hoses	50 ft of 1/4 in. (I.D.) Blue Max
Whip line	6 ft - 1/4" (I.D.) whip line with swivel
Tips	419 - 423 heavy-duty self cleaning reversible type 621 - 625 heavy-duty self cleaning reversible type
Spray machine	Airless sprayer capable of 3300psi pressure and min. delivery of 0.95 gpm without surging
Filters	60-80 mesh in gun & 60-80 in manifold
Mixing	Heavy-duty drill with paddle for 30 seconds
Application Rate	1/8 in. (3 mm) wet
Finish	Follows profile of backer material
Trowel	May be toweled
Clean-up	Water

**May Be Very Difficult To Remove Without Altering Or Damaging The Surface To Which The Sealant Has Been Applied.**

**Precautions:** May cause irritation. May be harmful if swallowed. Avoid

contact with 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:** A/D FIREBARRIER SprayAcrylic has a shelf life of 1 year from the date of manufacture when stored in original and unopened container below 110°F (43°C) and above 40°F (5°C).

## 5. MAINTENANCE

No maintenance should be required. If product becomes damaged, replace with new A/D FIREBARRIER SprayAcrylic. All surfaces should be clean and free of any material that would prevent adhesion.

## 6. AVAILABILITY AND COST

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

## 7. TECHNICAL SERVICES

Contact nearest A/D office or representative



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FH®



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