



# FIREBARRIER SPRAYMASTIC

## 1. PRODUCT NAME

A/D FIREBARRIER SprayMastic

## 2. PRODUCT DESCRIPTION

SprayMastic is a single component, water based elastomeric that cures to a durable, flexible, fire resistant seal.

**Basic Use:** A/D FIREBARRIER SprayMastic 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 SprayMastic 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 SprayMastic 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 SprayMastic is available in 5 US gallon (19 L) pails. Coverage per pail is approximately 64 ft<sup>2</sup> (5.9 m<sup>2</sup>) at 1/8-in. (3 mm) wet thickness.

**Color:** Maroon

### Application Limitations:

- Do not install when ambient temperature or temperature of substrate is below 35°F (2°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).
- SprayMastic has been tested in numerous firestop joint firestop systems. For optimum economy and

Table 1 – PHYSICAL PROPERTIES

Property	Result
Package	5 gal US / pail
Color	maroon
Density	10.5 lbs./gal
VOC (ASTM D3960)	Negligible
Skin Over Time @ 77F (25C)	30 – 45min.
Cure Time (for 1/8 in. at 77 °F (25 °C))	5 to 7 days
pH	7 - 8
Specific Gravity	1.1
Flame Spread (ASTM E84)	5
Smoke Development (ASTM E84)	5
Theoretical Coverage: 1/8 in. (3.2 mm) wet	64 ft <sup>2</sup> (5.95 m <sup>2</sup> ) per pail
Theoretical Coverage: 1/16 in. (1.6 mm) wet	128 ft <sup>2</sup> (11.9 m <sup>2</sup> ) per pail
Theoretical Coverage Per gallon at 1/8 in. wet	12.8 ft <sup>2</sup> (1.2 m <sup>2</sup> )

performance, the product should be applied to a thickness equal to or slightly greater than the 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

A/D FIREBARRIER SprayMastic has been tested and certified by UL and FM in accordance with ASTM E814-83, ANSI/UL 1479, ANSI/UL 2079, and/or CAN/ULC-S115-M85. For details of rated firestop systems see UL' s Fire Resistance Directory, Volumes 2A and 2B, and FM' s Approval Guide. The following tested firestop systems were published at the time of this writing.

**ULI:** CWD-2028, -2029, -2030, HWD-0314, -0315, -0316, -0317, -0318, -0319, -0320, -1046, FWD-1049.

Contact A/D Fire Protection Systems for current systems information.

### Surface Burning Characteristics:

(ASTM E84 / UL723)

Flame Spread: 5

Smoke Developed: 5

## 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 SprayMastic may be applied by spray, trowel or brush to vertical and horizontal surfaces.

Refer to tested firestop system for minimum wet film thickness that is required - usually 1/8 or 1/16 in. (3.2 or 1.6 mm). Use a wet film gauge to measure wet film thickness.

Apply SprayMastic 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 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).

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

Hoses	300 ft max. 50ft of 3/8 in. dia. & 250 ft of 1/4 in. dia.
Whip line	9 ft whip line with swivel
Tips	415 -423 heavy-duty self cleaning reversible type
Spray machine	Airless sprayer capable of 3000psi pressure and min. delivery of 1.0 gpm without surging
Filters	60-80 mesh in gun & 60-80 in manifold
Mixing	Heavy-duty drill with paddle for 30 seconds
Application Rate	1/16 in. (1.6 mm) wet or 1/8 in. (3 mm) wet
Finish	Follows profile of backer material
Trowel	May be troweled
Clean-up	10 gal water

**Shelf Life:** A/D FIREBARRIER SprayMastic has a shelf life of 2 years when stored in original and unopened container at 35 to 120°F (2 to 49°C).

**5. MAINTENANCE**

No maintenance should be required. If product becomes damaged, replace with new A/D FIREBARRIER SprayMastic. 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.



**A/D FIRE PROTECTION SYSTEMS**

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