



FIREBARRIER INTUMESCENT SEALANT

1. PRODUCT NAME

A/D FIREBARRIER Intumescent Sealant.

2. PRODUCT DESCRIPTION

Basic Use: A/D FIREBARRIER Intumescent Sealant is a single component intumescent acrylic water based sealant intended for use as a firestop system component.

Composition and Materials:

A/D FIREBARRIER Intumescent Sealant forms a durable, flexible, watertight bond with most construction materials. It is applied independently for "caulk and walk" systems or over mineral wool or backer rod (refer to test design details) to seal the openings where building services such as pipes and cables penetrate fire rated assemblies. May be applied by caulking gun or trowel. Clean up is with water.

A/D FIREBARRIER Intumescent Sealant contains water and is best if protected from freezing.

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

Color: Red

Application Limitations:

A/D FIREBARRIER Intumescent Sealant is intended for use at interior locations in buildings only. Protect from direct contact with water until cured. Curing time will vary with temperature and humidity.

- Do not use where abrasion or physical abuse is anticipated.
- Installation in confined or air-free spaces may inhibit cure.
- Do not apply to surfaces with special protective or cosmetic coatings without prior consultation with the manufacturer and first testing adhesion.
- A/D FIREBARRIER Intumescent Sealant has been tested in numerous firestop configurations. For optimum economy and performance, apply to a thickness equal to or slightly greater than the minimum test

Table 1 PHYSICAL PROPERTIES*	
Properties	Results
Color	Red
Odor	Mild
pH	7.0 - 9.0
VOC (grams/liter) EPA Method 310	16
Flame Spread (ASTM E-84)	0
Smoke Developed (ASTM E-84)	0
Cure Time (ASTM C-679)	3 - 5 days
Skin over Time	30-60 min. @77°F (25°C), 50% RH
Shore "A" Hardness (ASTM C-661)	15 - 20
Application Temperature	40 - 110°F (5 - 43°C)
Freeze Sensitive	Yes
Paintable	Yes
Antifungal	Contains antifungal additive

*Values given are not intended for specification preparation.

design thickness. Excessive depth to width ratios may cause sealant failure – **DO NOT apply excessive thickness.** As a guideline, A/D Fire Protection Systems recommends the minimum tested system thicknesses not be exceeded by more than 25%.

3. TECHNICAL DATA

Physical Properties:

Refer to Table 1.

Standards: A/D FIREBARRIER Intumescent Sealant has been tested in accordance with the following: ANSI/UL1479, ASTM E814 and CAN4/ULC-S115M. Systems certified for use in Canada are available under the cUL mark.

FGG/BM/CZ™ System Compatible indicates that this product has been tested, and is monitored on an ongoing basis, to assure its chemical compatibility with FlowGuard Gold®, BlazeMaster® and Corzan® pipe and fittings. FGG/BM/CZ™, FlowGuard Gold®, BlazeMaster®, and Corzan® are licensed trademarks of the Lubrizol Corporation.

Contact A/D Fire Protection Systems for a current list of fire rated systems.

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 compound, protective coatings, etc. Refer to fire test design / system.

Priming: A/D FIREBARRIER Intumescent Sealant does not require any 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 surfaces to which the caulk is to adhere. Remove masking tape immediately.

Applications: For "caulk and walk systems", simply apply the product where required and let cure. Where backer material (mineral wool, backer rod, etc.) is required by fire test design or system, install backer material as specified. Surfaces of backer material to receive caulk should be recessed in the opening to a depth equal to the required thickness of sealant.

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)

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

Shelf Life: A/D FIREBARRIER Intumescent Sealant has shelf life of one year from the date of manufacture when stored in original and unopened container at or below 110°F (43°C) and above 40°F (5°C). See top of box or label on pail for date of manufacture (day/ month/ year).

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 intumescent sealant becomes damaged, replace damaged portion. Clean surfaces in damaged areas, and repair with fresh A/D FIREBARRIER Intumescent Sealant.

7. TECHNICAL SERVICES

Contact nearest A/D representative.

Where mineral wool is required backer material, we recommend the use of A/D FIREBARRIER Mineral Wool – this high quality material is available pre-cut for easy installation and allows a controlled depth of caulk to be applied for maximum economy. Apply A/D FIREBARRIER Intumescent Sealant in a continuous operation to fill and seal the opening. Tool the sealant to spread it against the backer material and the opening surfaces. Simply fill the annular space to the required depth and form a smooth bead or crown at the surfaces.

Excess sealant should be cleaned with water.

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

Precaution: On direct contact, uncured sealant may irritate eyes. Flush with water and call a physician. Avoid prolonged contact with skin. **Keep out of reach of children.**



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