

FIREBARRIER MINERAL WOOL

1. PRODUCT NAME

A/D FIREBARRIER Mineral Wool

2. PRODUCT DESCRIPTION

Pre-formed, semi-rigid, non-combustible mineral wool insulation. The mineral wool is pre-cut into 48 in. (1220 mm) lengths and is available in various depths and widths for immediate installation.

Basic Use: A/D FIREBARRIER Mineral Wool is intended for use as a firestop system component and forming material in tested firestop systems and designs. It is friction fitted into openings, joints, gaps, spaces and voids in fire rated assemblies. It is usually used in conjunction with firestop sealant products such as A/D FIREBARRIER Silicone, Silicone SL, Seal, Seal NS and Intumescent Caulk.

Composition and Materials:

A/D FIREBARRIER Mineral Wool is a noncombustible semi-rigid combination of basaltic mineral wool and proprietary binders.

Packaging: A/D FIREBARRIER Mineral Wool is available in 25-lb (11 kg) nominal weight polyethylene bags. Pre-cut to required width and depth, the 48 in. (1220 mm) strips allow for ease of handling and installation. Refer to Estimating Guide for size availability.

Color: Brown

Standards: A/D FIREBARRIER Mineral Wool has been tested in accordance with:

- CAN4-S114, "Standard Method of Test For Determination of Non-combustibility In Building Materials"
- ULC-S115-95, Standard Method of Fire Tests of Firestop Systems"
- ANSI / UL 1479 and ASTM E814, "Standard Method of Fire Tests of Through-Penetration Fire Stops"
- UL 2079, "Standard Method of Tests For Fire Resistance of Building Joint Systems."

Table 1 - Physical Properties

Property	Result
Density	Nominal 4 lb./ft ³ (64 kg/m ³)
Moisture Adsorption	< 1%; inorganic, will not mildew
Service Temperatures	Continuous to 1200F (649C)
Linear Shrinkage	0% @1050°F (551°C); <1% @1200°F(649°C)
Recovery after 10% compression	100%
Asbestos	None
Surface Burning, CAN4-S102, ASTM E84 & UL723	Flame Spread – 5; Smoke Developed – 0
Non-combustibility, CAN4-S114	Listed as noncombustible by ULC
Non-Corrosive, NRC 1.36, ASTM C692, C795 & C871	Will not cause or contribute to corrosion

3. TECHNICAL DATA

Refer to Table 1 - Physical properties.

For details of rated firestop systems, see ULI' s Fire Resistance Directory, Volume 2, ULC' s List of Equipment and Materials, Firestop Systems and Components, ITS' s Directory of Listed Products and Factory Mutual' s Approval Guide.

A/D FIREBARRIER Mineral Wool is nominal 4 lb/ft³ (64 kg/m³) and complies with the requirements of our UL tested firestop systems where generic mineral wool is referenced.

ULC Systems: JF9, -14, -29, -50, -51, -93, -94, -99 and -100.

HW33, -36, -38, -39, -40 and -41.

SP159, -160, -162, -163, -167, -218, -219, -220, -221, -230, -325, -383, -384, -385, -386, -395, -423, -424, -624, -757, -759, -760, -761, -762, -763, -764, -765, -768, -880, -881, -882, -916, -928, -929, -961, -962, and -967.

ULI Systems: CAJ-0017, -0029, -1116, -1117, -1125, -1127, -1128, -1129, -1229, -1299, -1322, -1323, -1324, -1343, -1344, -1345, -1365, -2150, -5027, -5064, -5065, -5095, -5127, -7042, -8023, -8024, -8028 and -8080.

WJ -1064 and - 2050.

WL1157, -1236, -2157, - 8005 and - 8006.

FF-D-1023, FF-D-1032, FF-D-1038. FW-D-1019, FW-D-1029 and FW-D-1036

HW-D-1017 and HW-D-1029

WW-D-1026 and WW-D-1033.

ITS (WH) Designs:

AD/PHV 180-03, -04, -05, -07, -08, -09, -10, -11 and -12.

AD/PH 180-01, -02, -03, -04, -05 and -06.

AD/PV60-01 and 120-01.

FM Designs: -83, -85, -87, -88, -89, -90, -93, -94, -95, -204, -235 and -236.

4. INSTALLATION

Install A/D FIREBARRIER Mineral Wool to the minimum 25% or 33% compression required by the tested firestop system - see Table 2. Compression must always be perpendicular to the grain. Butt adjacent sections of A/D FIREBARRIER Mineral Wool tightly against each other. Leave no voids. A/D FIREBARRIER Mineral Wool is the recommended backup material for A/D FIREBARRIER Silicone, Silicone SL, Seal, Seal NS and Intumescent Caulk. Determine the

depth of firestop sealant required, and recess the A/D FIREBARRIER Mineral Wool the appropriate depth.

Precautions: To safely use this product, read and abide by the Material Safety Data Sheet (MSDS). Avoid inhalation of dust during use. Avoid skin and eye contact. Mineral Wool fibre, like other nuisance particulates, may cause itching and

possible irritation of eyes and/or upper respiratory tract.

5. AVAILABILITY AND COST

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

6. MAINTENANCE

No maintenance should be needed. If the mineral wool becomes damaged, replace damaged section.

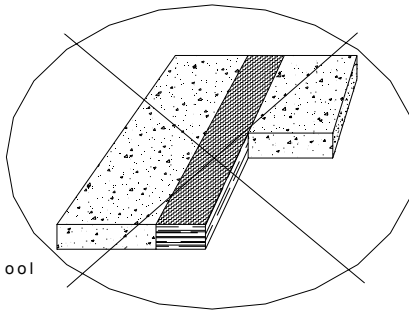
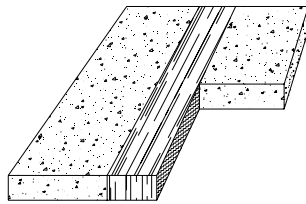
7. TECHNICAL SERVICES

Contact nearest A/D office.

Nominal Batt Thickness,		Maximum Width of Opening for 25% compression, in. (mm)		Maximum Width of Opening for 33% compression, in. (mm)	
in.	mm	in.	mm	in.	mm
1	25	3/4	19	5/8	17
1.5	38	1-1/8	29	1	25
2	50	1-1/2	38	1-5/16	34
3	75	1-1/4	57	2	51
4	100	3	75	2-5/8	68
5 (4 + 1)	125 (100 + 25)	3-3/4	95	3-5/16	85
5.5 (4 + 1.5)	140 (100 + 38)	4-1/8	105	3-5/8	94
6 (4 + 2)	150 (100 + 50)	4-1/2	114	4	100
7 (4 + 3)	175 (100 + 75)	5-1/4	133	4-5/8	119
8 (4 + 4)	200 (100 + 100)	6	150	5-5/16	136

CORRECT

INCORRECT



Always install A/D FIREBARRIER Mineral Wool so that it is compressed perpendicular to the grain.



A/D FIRE PROTECTION SYSTEMS

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