

Certificate of test

Job number: FRT240002 Revision: SFC5.1

This is to certify that the product described below was tested by this laboratory at the request of the test sponsor.

Test sponsor Alseal Marketing Sdn. Bhd **Address** Lot 53, Jalan Industri 2/2, Rawang Integrated Industrial Park, 48000 Rawang, Selangor Darul Ehsan, Malaysia

Product name AS-4003 Fire Rated MS Sealant

Date of test 17/07/2024 **Test report** FRT240002 R5.1
15/07/2024 FRT240003 R5.1

Test standard In accordance with EN 1363-1:2020 and EN 1366-4:2021.

Test specimen

The FRT240002 test assembly comprised a nominal 1780 mm long × 1600 mm wide × 150 mm thick autoclaved aerated concrete (AAC) floor system penetrated by six control joints at a nominal length of 1100 mm. Backing rods were used to support the sealant. 602 Concrete primer was applied to sealant application area. The control joints were protected by AS-4003 Fire Rated MS Sealant.

ID	Description	Local fire stopping protection	Criteria	Results
A	50 mm (unexposed side)	AS-4003 Fire Rated MS Sealant + PU backing rod + 602 Concrete primer	Loadbearing Capacity	Not applicable
			Integrity	Sustained flaming: 241 minutes no failure (the test having been discontinued at the request of the sponsor) Cotton pad: 241 minutes no failure (the test having been discontinued at the request of the sponsor)
			Insulation	Control joint: Failure at 178 minutes Separating elements: Failure at 170 minutes
B	20 mm (unexposed side)	AS-4003 Fire Rated MS Sealant + PE backing rod + 602 Concrete primer	Loadbearing Capacity	Not applicable
			Integrity	Sustained flaming: 241 minutes no failure (the test having been discontinued at the request of the sponsor) Cotton pad: Failure at 214 minutes
			Insulation	Control joint: Failure at 93 minutes Separating elements: Failure at 156 minutes
C		AS-4003 Fire Rated MS	Loadbearing Capacity	Not applicable

Signed on behalf of Warringtonfire* Australia



Jerry Xu

Warringtonfire Australia: accredited for compliance with ISO/IEC 17025 – Testing

Fire testing engineer

Issue date 25 September 2024

Warringtonfire Australia

A Jensen Hughes Company

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ID	Description	Local fire stopping protection	Criteria	Results
	50 mm (exposed side)	Sealant + PU backing rod + 602 Concrete primer	Integrity	Sustained flaming: 207 minutes no failure* Cotton pad: Failure at 206 minutes
			Insulation	Control joint: Failure at 42 minutes Separating elements: Failure at 171 minutes
D	20 mm (exposed side)	AS-4003 Fire Rated MS Sealant + PE backing rod + 602 Concrete primer	Loadbearing Capacity	Not applicable
			Integrity	Sustained flaming: 131 minutes no failure* Cotton pad: Failure at 47 minutes
			Insulation	Control joint: Failure at 6 minutes Separating elements: Failure at 47 minutes
E	50 mm (unexposed side and exposed side)	AS-4003 Fire Rated MS Sealant + PU backing rod + 602 Concrete primer	Loadbearing Capacity	Not applicable
			Integrity	Sustained flaming: 241 minutes no failure (the test having been discontinued at the request of the sponsor) Cotton pad: 241 minutes no failure (the test having been discontinued at the request of the sponsor)
			Insulation	Control joint: Failure at 222 minutes Separating elements: Failure at 225 minutes
F	20 mm (unexposed side and exposed side)	AS-4003 Fire Rated MS Sealant + PE backing rod + 602 Concrete primer	Loadbearing Capacity	Not applicable
			Integrity	Sustained flaming: 241 minutes no failure (the test having been discontinued at the request of the sponsor) Cotton pad: 241 minutes no failure (the test having been discontinued at the request of the sponsor)
			Insulation	241 minutes no failure (the test having been discontinued at the request of the sponsor)

* Specimen covered with ceramic wool to protect equipment.

Test specimen

The FRT240003 test assembly comprised a nominal 1576 mm long × 1570 mm wide × 150 mm thick autoclaved aerated concrete (AAC) wall system penetrated by six control joints at a nominal length of 1100 mm. Backing rods were used to support the sealant. 602 Concrete primer was applied to sealant application area. The control joints were protected by AS-4003 Fire Rated MS Sealant.

ID	Description	Local fire stopping protection	Criteria	Results
A	50 mm (unexposed side)	AS-4003 Fire Rated MS Sealant + PU backing rod + 602 Concrete primer	Loadbearing Capacity	Not applicable
			Integrity	Sustained flaming: 241 minutes no failure (the test having been discontinued at the request of the sponsor) Cotton pad: 241 minutes no failure (the test having been discontinued at the request of the sponsor)
			Insulation	Control joint: Failure at 150 minutes Separating element: Failure at 170 minutes
B	20 mm (unexposed side)	AS-4003 Fire Rated MS Sealant + PE backing rod + 602 Concrete primer	Loadbearing Capacity	Not applicable
			Integrity	Sustained flaming: 241 minutes no failure (the test having been discontinued at the request of the sponsor) Cotton pad: 241 minutes no failure (the test having been discontinued at the request of the sponsor)
			Insulation	Control joint: Failure at 99 minutes Separating element: Failure at 156 minutes

ID	Description	Local fire stopping protection	Criteria	Results
C	50 mm (exposed side)	AS-4003 Fire Rated MS Sealant + PU backing rod + 602 Concrete primer	Loadbearing Capacity	Not applicable
			Integrity	Sustained flaming: 241 minutes no failure (the test having been discontinued at the request of the sponsor) Cotton pad: 241 minutes no failure (the test having been discontinued at the request of the sponsor)
			Insulation	Control joint: Failure at 51 minutes Separating element: 241 minutes no failure (the test having been discontinued at the request of the sponsor)
D	20 mm (exposed side)	AS-4003 Fire Rated MS Sealant + PE backing rod + 602 Concrete primer	Loadbearing Capacity	Not applicable
			Integrity	Sustained flaming: 241 minutes no failure (the test having been discontinued at the request of the sponsor) Cotton pad: Failure at 97 minutes
			Insulation	Control joint: Failure at 10 minutes Separating element: Failure at 97 minutes
E	50 mm (unexposed side and exposed side)	AS-4003 Fire Rated MS Sealant + PU backing rod + 602 Concrete primer	Loadbearing Capacity	Not applicable
			Integrity	Sustained flaming: 241 minutes no failure (the test having been discontinued at the request of the sponsor) Cotton pad: 241 minutes no failure (the test having been discontinued at the request of the sponsor)
			Insulation	Control joint: 241 minutes no failure (the test having been discontinued at the request of the sponsor) Separating element: 241 minutes no failure (the test having been discontinued at the request of the sponsor)
F	20 mm (unexposed side and exposed side)	AS-4003 Fire Rated MS Sealant + PE backing rod + 602 Concrete primer	Loadbearing Capacity	Not applicable
			Integrity	Sustained flaming: 241 minutes no failure (the test having been discontinued at the request of the sponsor) Cotton pad: 241 minutes no failure (the test having been discontinued at the request of the sponsor)
			Insulation	Control joint: 241 minutes no failure (the test having been discontinued at the request of the sponsor) Separating element: 241 minutes no failure (the test having been discontinued at the request of the sponsor)

Conditions / validity

- This certificate is provided for general information only and does not comply with the regulatory requirements for evidence of compliance.
- Please refer to the relevant test report to determine the applicability of the test result to a proposed installation and for a full description of the tested construction.
- The results of these fire tests may be used to assess fire hazard, but it should be recognised that a single test method will not provide a full assessment of fire hazard under all conditions.
- All work and services carried out by Warringtonfire are subject to and conducted in accordance with our standard terms and conditions. These are available on request.