

Certificate of test

Job number: **FRT210466** Revision: **SFC1.0**

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

Test sponsor Expon Industries Pty Ltd **Address** 21-23 Pavesi St
Smithfield NSW 2164
Australia

Test specimen 150 mm thick concrete wall with control joints protected by Antas® 352FR Fireproof MS Sealant.

Date of test 27 April 2022 **Test report** FRT210466 R1.0

Test standard In accordance with AS 1530.4:2014

Test results

Control joint	Sealant depth	Local fire-stopping protection	Local aperture size (mm)	Sealant location	Fire resistance level (FRL)
A#	20 mm	Antas® 352FR Fireproof MS Sealant	40 mm wide × 1600 mm high	Exposed side	-/180/30*
B	20 mm		40 mm wide × 1600 mm high	Both sides	-/180/180
C#	20 mm		40 mm wide × 1600 mm high	Unexposed side	-/180/90*
D#	10 mm		20 mm wide × 1600 mm high	Exposed side	-/180/15*
E	10 mm		20 mm wide × 1600 mm high	Both sides	-/180/180
F#	10 mm		20 mm wide × 1600 mm high	Unexposed side	-/180/180*

Note:

The FRLs for the specimens only apply to the tested orientation. As the FRL was only determined for one direction, an FRL cannot be assigned for the other direction.

* The assigned FRL is limited by the expected FRL of the separating element into which it is installed.

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 or at <https://www.element.com/terms/terms-and-conditions>.

Signed on behalf of Warringtonfire



Gabriel Raposo

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



Fire testing engineer

Issue date

12 May 2022



Certificate of Test

No. 3440

This is to certify that the element of construction described below was tested by CSIRO Infrastructure Technologies in accordance with Australian Standard 1530, Methods for fire tests on building materials, components and structures, Part 4 Fire-resistance tests of elements of construction, 2014, Section 10: Service penetrations and control joints, on behalf of:

Guangzhou Jointas Chemical Co., Ltd.
 High-Tech Industry Development Zone
 2&5 Floor, Bld 6, No 62
 Nanxiangyilu, Guangzhou 510663 CHINA

A full description of the test specimen and the complete test results are detailed in the Division's report FSP 2099.

Product Name: 10-mm wide joint with Antas-352FR Fireproof MS Sealant (Joint 1)

Description: The sponsor identified the test specimen as Antas sealant system protecting control joint in concrete wall panels. The overall dimensions of the control joint concrete wall panels were 1150-mm wide x 1150-mm long x 150-mm thick, to suit the opening in the specimen containing frame. The concrete panels were placed vertically against the furnace chamber and subjected to fire exposure from one side only. Joint 1 comprised 1000-mm exposed length control joint between 150-mm thick concrete wall panels. The opening between the concrete panels measured 1000-mm long x 10-mm wide x 150 mm deep. The joint depth was controlled using a single 10-mm diameter low density polyethylene (LDPE) backing rod installed between the concrete panels. The backing rod was installed to a depth of 10 mm away from the exposed face of the concrete panel. Antas-352FR Fireproof MS Sealant was used to fill the 10-mm wide x 10-mm deep joint recess formed between the concrete panels and the backing rod on the exposed side and finished flush with the concrete panels. Document labelled "Antas Sealant Joint Design for Fire Test, AS 1530.4" (2 pages) by Guangzhou Jointas Chemical Co., Ltd. was supplied or referenced by the sponsor as a complete description of the specimen and should be read in conjunction with this Certificate.

Performance observed in respect of the following AS 1530.4-2014 criteria

Structural Adequacy	-	not applicable
Integrity	-	no failure at 241 minutes
Insulation	-	no failure at 241 minutes

and therefore for the purpose of Building Regulations in Australia, achieved a fire-resistance level (FRL) of -/240/240.

The fire-resistance level (FRL) of the specimen is applicable when the system is exposed to fire from the same direction as tested. For the purposes of AS 1530.4-2014 the results of these fire tests may be used to directly assess fire hazard, but it should be noted that a single test method will not provide a full assessment of fire hazard under all fire conditions. This certificate is provided for general information only and does not comply with regulatory requirements for evidence of compliance.

Testing Officer: Glenn Williams Date of Test: 7 April 2020

Issued on the 15th day of June 2020 without alterations or additions.

Brett Roddy | Manager, Fire Testing and Assessments

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	<p>This document is issued in accordance with NATA's accreditation requirements. Accreditation No. 165 – Corporate Site No. 3625 Accredited for compliance with ISO/IEC 17025 - Testing</p>
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