

CERTIFICATE

Material Fire Test Result Summary

IGNL-7099-04-02C I01 R00 D01

DATE OF TEST 19.05.2023
22.05.2023
ISSUE DATE 30.10.2023
EXPIRY DATE 29.10.2028

AS 1530.4:2014
Fire-resistance tests for elements of construction

SPONSOR

Flame Security International
Building F10, Level 5, University of New South Wales
Kensington, NSW 2052

TEST BODY

Ignis Labs Pty Ltd
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Australia
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Test body is the test location

Specimen Name

FSI Internal Wall Paint

Specimen Description

AS 1530.4 testing was undertaken by Ignis Labs on an Internal Wall System in order to establish the performance of the FSI Interior Paint achieving a Fire Resistance Level.

Both walls had the same baseline wall design. The baseline wall system included a plasterboard internal wall comprising of timber framing with Earthwool insulation, and 10 mm standard grade plasterboard lining. The thickness of the FSI interior paint was in the order of 0.6-0.7 mm.

The construction and installation of the specimen was undertaken by Ignis Labs at the direction of FSI. Ignis Labs was opted to install the wall specimen to the testing furnace.

Result

Criteria	Test Result	
	Baseline Internal Wall	FSI Int. Paint Both Faces
Structural adequacy	-	-
Integrity	24 minutes	38 minutes
Insulation	23 minutes	36 minutes

Fire Resistance Level (FRL)

For the purpose of building regulations in Australia, the Fire Resistance Level (FRL) of the test specimen is as follows.

IGNL-7099-04-04 – Baseline Internal Wall	-/15/15
IGNL-7099-04-06 – FSI Int. Paint Both Faces	-/30/30

Test Method

The test specimens were tested in accordance with Australian Standard 1530, Method for fire tests on building components and structures, Part 4: Fire-resistance tests for elements of construction (AS 1530.4:2014) with the exception of the measurement of deflection, the measurement of received total heat flux, and without applying a loading system. The furnace had a nominal opening of 1.0 m x 1.0 m for attachment of specimens. The infill parts of the furnace included Bostic fire ban one fire grade mastic.

Reference Documents

This certificate is based on the following document:

- Ignis Labs Test Report **IGNL-7099-04-02R I01R00 dated 21 June 2023.**

Note

This certificate is provided for general information only and does not comply with the regulatory requirements for evidence of compliance.



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CPEng, NER (Fire Safety / Mech) 2590091, RPEQ11498, BDC-1875,
PRE0000303, DEPO000317, PE0001872
MFireSafety (UWS), BEng (UTS), GradDipBushFire (UWS), DipEngPrac (UTS), DipEng (CIT)

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