

CERTIFICATE

Material Fire Test Result Summary

IGNL-7099-04-01C I01 R00

DATE OF TEST 17.05.2023
18.05.2023

ISSUE DATE 15.11.2023

EXPIRY DATE 14.11.2028

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
ABN 36 620 256 617
3 Cooper Place
Queanbeyan NSW 2620
Australia
www.ignislabs.com.au
(02) 6111 2909
Test body is the test location

Specimen Name

FSI External Wall Systems

Specimen Description

AS 1530.4 testing was undertaken by Ignis Labs on a Baseline External Wall System as well as an identical wall with the exception that FSI External paint to a thickness of 0.6-0.7 mm. The test was undertaken to establish the performance of the Flame Security International (FSI) Exterior paint.

Both wall systems had the same baseline wall design. The wall system included a fibre cement external wall lining, sarking, timber framing with Earthwool insulation and plasterboard internal lining. The thickness of the FSI exterior 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 Ext. Wall	Ext. Paint Both Faces
Structural adequacy	-	-
Integrity	32 minutes	64 minutes
Insulation	28 minutes	64 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-7099-04-01 – Baseline External Wall	-/30/-
IGNL-7099-04-02 – Ext. Paint Both Faces	-/60/60

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-7099-04-01R I01R00 dated 15 November 2023.

Note

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



Jessica Ying

Jessica Ying
Laboratory Engineer

Benjamin Hughes-Brown

Benjamin Hughes-Brown
FIEAust CPEng NER APEC Engineer IntPE(Aus)
Chartered Professional Engineer
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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