



CERTIFICATE

Material Fire Test Certificate

IGNL-3121-03-01 I01R00
Date of Test 22-Nov-19
ISSUED 15-Jan-20
EXPIRY 14-Jan-25

AS 1530.3-1999:
SIMULTANEOUS
DETERMINATION OF
IGNITABILITY, FLAME
PROPAGATION, HEAT
RELEASE AND SMOKE

RELEASE
PRESENTED TO

Network Architectural
71 Marigold Street Revesby
NSW 2212
www.networkarchitectural.com.au

TEST BODY

Ignis Labs Pty Ltd
ABN 36 620 256 617
PO Box 5174
Braddon ACT 2612
www.ignislabs.com.au
(02) 6111 2909

Specimen Identification

Durlum Metal Ceilings

Specimen Description

The sponsor described the tested specimen as
Metal ceiling panels - 0.5mm Steel ceiling tile

Test Method

Six samples were tested in accordance with Australian Standard 1530, Method for fire tests on building components and structures, Part 3: Simultaneous determination of ignitability, flame propagation, heat release and smoke release, 1999. For the test, each sample was clamped to the specimen holder in four places. A woven metal radiant panel was used in lieu of ceramic tiles

Observations

Six specimens were tested, as required by Clause 2.8 of AS/NZS 1530.3:1999. The six specimens presented equivalent results.

Parameter	Symbol	Unit	Results											
			1	2	3	4	5	6	7	8	9			
Specimen number														
Ignition time	Ti	min	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flame Propagation time	Tf	s	-	-	-	-	-	-	-	-	-	-	-	-
Heat release integral		kJ/m ²	-	-	-	-	-	-	-	-	-	-	-	-
Optical density (ignition)	D	/m	-	-	-	-	-	-	-	-	-	-	-	-
Optical density (non ignition)	D _{NI}	/m	0.04	0.10	0.17	0.11	0.06	0.12	-	-	-	-	-	-
Smoke release (ignition)	Log10(D)		-	-	-	-	-	-	-	-	-	-	-	-
Smoke release (non ignition)	Log10(D)NI		-1.37	-1.00	-0.77	-0.97	-1.24	-0.94	-	-	-	-	-	-

Calculation

Parameter	Mean	Standard Error	Comment
Ignition time	-	-	
Flame Propagation time	-	-	
Heat release integral	-	-	
Optical density (ignition)	-	-	
Optical density (non ignition)	0.10	0.02	
Smoke release	-1.05	0.09	

Result

Indices	Range	Result	BCA Specification C1.10
Ignitability	0-20	0	-
Spread of Flame	0-10	0	9 Pass
Heat Evolved	0-10	0	-
Smoke Developed	0-10	4	8 Pass

Test Technician
Hernan Ramirez

Test Engineer
Ram Prakash



Benjamin Hughes-Brown FIE Aust CPEng NER APEC Engineer IntPE(Aust)
Chartered Professional Engineer
CPEng, NER (Fire Safety Mech) 2590091, RPEQ11498, BFB-C10-1875, EF-39394,
MFireSafety (UWS), BEng (UTS), GradDipBushFire (UWS), DipEngPrac (UTS), DipEng (CIT)

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Disclaimer

These test results relate only to the behaviour of the test specimens of the material under the particular conditions of the test, and they are not intended to be the sole criterion for assessing the potential fire hazard of the material in use. The information contained in this document is provided for the sole use of the recipient and no reliance should be placed on the information, by any other person. In the event that the information is disclosed or furnished to any other person, the Ignis Labs Pty accepts no liability for any loss or damage incurred by that person whatsoever as a result of using the information

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