



CERTIFICATE

Material Fire Test Certificate

IGNL-3121-03-02 101R00

Date of Test 25-Nov-19
ISSUED 15-Jan-20
EXPIRY 14-Jan-25

Specimen Identification

Durlum Metal Ceilings

Specimen Description

The sponsor described the tested specimen as
Metal ceiling panels - 0.7mm Aluminium 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								
Specimen number			1	2	3	4	5	6	7	8	9
Ignition time	T _i	min	NA	NA	NA	NA	NA	NA	-	-	-
Flame Propagation time	T _f	s	-	-	-	-	-	-	-	-	-
Heat release integral		kJ/m ²	-	-	-	-	-	-	-	-	-
Optical density (ignition)	D	/m	-	-	-	-	-	-	-	-	-
Optical density (non ignition)	D _{NI}	/m	0.04	0.11	0.12	0.17	0.29	0.47	-	-	-
Smoke release (ignition)	Log10(D)		-	-	-	-	-	-	-	-	-
Smoke release (non ignition)	Log10(D)NI		-1.37	-0.96	-0.92	-0.78	-0.54	-0.33	-	-	-

Calculation

Parameter	Mean	Standard Error	Comment
Ignition time	-	-	
Flame Propagation time	-	-	
Heat release integral	-	-	
Optical density (ignition)	-	-	
Optical density (non ignition)	0.20	0.06	
Smoke release	-0.82	0.15	

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	5	8	Pass

Test Technician

Hernan Ramirez

Test Engineer

Ram Prakash

Benjamin Hughes-Brown FIREAust CPEng NER APEC Engineer IntPE(Aust)

Chartered Professional Engineer
CPEng, NER (Fire Safety / Mech) 2590091, RPEQ 11498, BFB-C10-1875, EF-39394,
MFireSafety (UWS), FireEng (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.

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