CERTIFICATE

Material Fire Test Certificate

IGNL-3121-03-02 I01R00
Date of Test 25-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

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TEST BODY
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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	Ti	min	NA	NA	NA	NA	NA	NA	-	-	-
Flame Propagation time	Tf	s	-	-	-	-	-	-	-	-	-
Heat release integral		kJ/m²	-	-	-	-	-	-	-	-	-
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

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