

# CERTIFICATE

## Material Fire Test Certificate

IGNL-6200-05C I01 R00

DATE OF TEST 24.08.2022  
 ISSUE DATE 25.08.2022  
 EXPIRY DATE 24.08.2027

AS ISO 9239.1-2003 Determination of the burning behaviour using a radiant heat source

### SPONSOR

Inapod Pty Ltd  
 34a Gray Street  
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### TEST BODY

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*Test body is the test location*



### Specimen Identification

Inapod Acoustic Office Pods

### Specimen Description

The specimens were received as times of black carpet material measuring approximately 500 by 500 mm from which Ignis Labs fabricated the test specimens. The carpet has a black woven surface layer embedded in a white core with a black rubberised backing. The carpet tiles were bonded to a 6 mm fibre cement substrate using Roberts 95 adhesive. The carpet has a measured nominal thickness of 6.19 mm, and the specimens had a total measured thickness of 12.96 mm. Ignis Labs was not responsible for the sampling stage. All specimens were sampled by the test sponsor. The test results apply to the specimens as received.

### Test Method

Four specimens were tested in accordance with Australia Standard AS 9239.1-2003 Reaction to fire tests for floorings, Part 1: Determination of the burning behaviour using a radiant heat source. Specimen 1 was tested along the production direction and specimens 2-4 were tested against the production direction. As requested by the test sponsor, the specimens were tested for 30 minutes only.

### Observations

Comparing the critical heat flux values of specimens tested in two directions, the specimen against the production direction demonstrated a worse result and as such an additional two tests were completed in that direction. All specimens against the production direction exhibited equivalent performance. Sustained flaming of specimens was observed starting from 156, 261, 204, and 278 seconds for specimens 1 to 4 respectively. All specimens reached flameout within the 30-minute test duration, with the specimens extinguishing at 842, 947, 830, and 840 seconds for specimens 1-4 respectively. Charring and melting were observed on the carpet surface after testing.

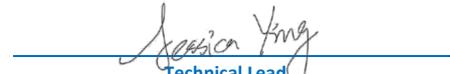
### Calculations

Parameters	Unit	Specimen			
		With Product Direction		Against Product Direction	
Specimen number		1	2	3	4
Test duration	min	30.00	30.00	30.00	30.00
Time to reach 50mm	s	273	320	276	350
Flameout time	min	-	-	-	-
Flame spread at 10 min	mm	220	290	280	250
Flame spread at 20 min	mm	230	300	280	260
Flame spread at 30 min	mm	230	300	280	260
Flame spread at flameout	mm	230	300	280	260
Maximum light attenuation	%	51.95	70.43	60.66	58.14
HF-10	kW/m <sup>2</sup>	9.07	7.71	7.90	8.49
HF-20	kW/m <sup>2</sup>	8.88	7.51	7.90	8.29
HF-30	kW/m <sup>2</sup>	8.88	7.51	7.90	8.29
CHF	kW/m <sup>2</sup>	-	-	-	-
Critical heat flux	kW/m <sup>2</sup>	8.8	7.6	8.0	8.2
Smoke obscuration integration	%×min	229.79	310.69	184.02	145.35

### Result

Parameters	Unit	Results
Average flame spread	mm	280
Average critical heat flux	kW/m <sup>2</sup>	8.0
Average smoke obscuration integration	%×min	213.36

  
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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 results of these fire tests may be used to directly assess fire hazard, but it should be recognized that a single test method will not provide a full assessment of fire hazard under all fire conditions.

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