

CERTIFICATE

Material Fire Test Certificate

IGNL-9295-03-01C I01 R00

DATE OF TEST 13/06/2025
16/06/2025
20/06/2025
ISSUE DATE 27/06/2025
EXPIRY DATE 26/06/2030

AS/NZS 1530.3-1999
Simultaneous determination of ignitability,
flame propagation, heat release and smoke
release

SPONSOR
Paveezzi Composites Pty Ltd
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Epping VIC 3076

TEST BODY
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Test body is the test location



Specimen Identification

Rhino By Paveezzi Adjustable Pedestals

Specimen Description

The sponsor described the specimen as an adjustable pedestal. It has a nominal composition of approximately 80% first-grade, pre-selected recycled PPC and 20% talc and black masterbatch. It has a nominal density of 0.99 g/cm³ and a nominal thickness of 3 mm. It is black in colour and it has an end use as elevated platforms.

The specimens were received as black adjustable platforms and grey fibre cement panels as substrates. The platforms are circular with a nominal diameter of 200 mm and a nominal thickness of 42.53 mm. The fibre cement panels had a measured dimensions of 595 mm in height, 445 mm in length and 8.61 mm in thickness. Five adjustable platforms were fixed to a fibre cement panel in a '5-dice' pattern.

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

Nine (9) samples were tested in accordance with AS/NZS 1530.3, 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. The side of the black adjustable pedestals was faced towards the radiant panel. A woven metal radiant panel was used in lieu of ceramic tiles. In the smoke monitoring system, a helium-neon laser was applied as the light source and a detector with peak responsivity between 900 and 1000 nm.

Observations

All specimens exhibited similar behaviours during the test and all ignited. Smoke was observed between approximately 110 and 140 seconds, followed by early signs of melting on the central pedestal. Ignition occurred on each specimen between approximately 270 and 353 seconds. After ignition, flaming droplets were observed falling from the pedestals, with smoke visible at the back of the specimens. Flaming continued until the end of the test and was extinguished using a water spray bottle. After the test, the specimens were heavily charred and turned black.

Results

Parameter	Sym	Unit	Results								
Specimen number			1	2	3	4	5	6	7	8	9
Ignition time	T _i	min	5.67	4.82	4.53	5.88	5.43	4.82	4.73	5.02	4.52
Flame propagation time	T _f	s	38.8	54.8	66.2	36.2	44.2	55.8	67.2	44.8	58.8
Heat release integral		kJ/m ²	290.7	211.84	176.31	304.33	267.14	214.25	174.37	-	202.33
Optical density (ignition)	D	/m	0.32	0.21	0.15	0.21	0.24	0.21	0.22	0.23	0.19
Optical density (non ignition)	D _{NI}	/m	-	-	-	-	-	-	-	-	-
Smoke release (ignition)	Log ₁₀ (D)		-0.49	-0.68	-0.82	-0.68	-0.62	-0.68	-0.66	-0.64	-0.72
Smoke release (non ignition)	Log ₁₀ (D) _{NI}		-	-	-	-	-	-	-	-	-

Calculation

Parameter	Mean	Standard error
Ignition time	5.05	0.17
Flame propagation time	51.87	3.80
Heat release integral	230.16	17.88
Optical density (ignition)	0.22	0.02
Optical density (non ignition)	-	-
Smoke release	-0.67	0.03

Result

Indices	Range	Result
Ignitability	0-20	15
Spread of Flame	0-10	7
Heat Evolved	0-10	9
Smoke Developed	0-10	5

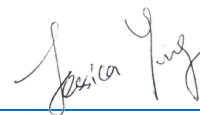
The results only apply to the specimen mounted as described in this report.



NATA Accredited Laboratory
Number: 20534 Site number: 24604
Accredited for compliance with
ISO/IEC 17025 - Testing



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