

Certificate of Test

Quote No.: NE7829

REPORT No.: FNE12027

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

TRADE NAME: Pultruded GRP Channel IFR-10

SPONSOR: Neubau Pty Ltd
Unit 14, 67 O'Connell Terrace
BOWEN HILLS QLD 4006
AUSTRALIA

DESCRIPTION OF

SAMPLE: The sponsor described the tested specimen as a pultruded glass reinforced plastic channel with a polyester resin and an alumina trihydrate (ATM) fire retardant.

Nominal thickness: 10 mm
Nominal density: 1900 kg/m³
Colour: grey

TEST PROCEDURE: 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.

RESULTS: The following means and standard errors were obtained:

Parameter	Mean	Standard Error
Ignition Time (min)	7.0	0.2
Flame Spread Time (s)	N/A	N/A
Heat Release Integral	44.4	11.4
Smoke Release (log ₁₀ D)	-0.638	0.048

For regulatory purposes these figures correspond to the following indices:

Ignitability Index	Spread of Flame Index	Heat Evolved Index	Smoke Developed Index
(0-20)	(0-10)	(0-10)	(0-10)
13	0	1	5

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

DATE OF TEST: 24 August 2017

Issued on the 12th day of September 2017 without alterations or additions.



Heherson Alarde
Testing Officer



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Team Leader, Fire Testing and Assessments

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