

Certificate of Test

Quote No.: NE7721

REPORT No.: FNE11834

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

TRADE NAME: Duratec Zeus Lunar Eclipse

SPONSOR: DuluxGroup (Australia) Pty Ltd
1-15 Pound Rd West
DANDENONG SOUTH VIC 3175
AUSTRALIA

DESCRIPTION OF SAMPLE:

The sponsor described the tested specimen as a single layer thermosetting powder coating system applied on a 1-mm thick aluminium substrate (Group 4) at an application rate of 8-m²/kg to 10-m²/kg.

Nominal thickness of powder coat: 70 µm to 80 µm
Nominal total thickness: 1 mm
Nominal total mass: 110 g/m² to 130 g/m²
Colour: black

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)	N/A	N/A
Flame Spread Time (s)	N/A	N/A
Heat Release Integral	N/A	N/A
Smoke Release (log ₁₀ D)	-1.280	0.023

For regulatory purposes these figures correspond to the following indices:

Ignitability Index (0-20)	Spread of Flame Index (0-10)	Heat Evolved Index (0-10)	Smoke Developed Index (0-10)
0	0	0	3

The specimen was tested on a Group 4 (least reactive) substrate as specified by Clause 4.4.3 of AS1530.3-1999. These results only apply to any to any substrate in the same group or a less reactive material.

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: 28 November 2016

Issued on the 16th day of December 2016 without alterations or additions.



Heherson Alarde
Testing Officer



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Team Leader, Fire Testing and Assessments

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