

Certificate of Test

CZ52 NE2956

REPORT NO. FNE7630

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SIMULTANEOUS DETERMINATION OF IGNITABILITY, FLAME PROPAGATION, HEAT RELEASE AND SMOKE RELEASE

TRADE NAME: STEW HOT METAL

SPONSOR: Stew R
2-7 Orchard Road
BROOKVALE NSW
AUSTRALIA

DESCRIPTION OF TEST SPECIMEN:

The sponsor described the specimen as a powder coated process applied to an aluminium sheet.

Nominal thickness of coating: 180 μm
Nominal thickness of aluminium: 0.5 mm
Nominal total mass: 1.62 kg/m²
Colours: various colours

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, 1989. For the test, each sample had a backing of 4.5 mm thick fibre-reinforced-cement board, and 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 (kJ/m ²)	N/A	N/A
Smoke Release (log ₁₀ D)	-1.390	0.044


For regulatory purposes these figures correspond to the following indices:

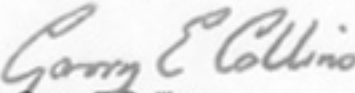
Ignitability Index (0-20)	Spread of Flame Index (0-10)	Heat Evolved Index (0-10)	Smoke Developed Index (0-10)
0	0	0	3

The 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: 25 October 1999

Issued on the 18th day of November 1999 without alterations or additions.


R Collins
Testing Officer


Garry E Collins
Manager Fire Testing and Assessments



Accreditation No. 3632

This laboratory is accredited by the National Association of Testing Authorities, Australia. The tests reported herein have been performed in accordance with its terms of accreditation.



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