

Certificate of Test

Quote No.: HF07ANE4570

REPORT No.: FNE8384

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

TRADE NAME: High Pressure Laminates

SPONSOR: Borg Manufacturing
1090 Pacific Highway
SOMERSBY NSW
AUSTRALIA

DESCRIPTION OF TEST SPECIMEN: The sponsor described the specimen as a high pressure laminate comprising kraft paper impregnated with phenol formaldehyde resin faced with decorative paper.

Nominal thickness: 0.75 mm to 1.0 mm
Nominal mass: 1.125 kg/m²
Colour: various patterns

TEST PROCEDURE: Nine 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 had a backing of 4.5-mm thick fibre-reinforced-cement sheet (Group 4), and was restrained by one layer of square mesh having 0.8-mm dia. wires at approximately 13-mm centres over the exposed face and was clamped to the specimen holder in four places.

OBSERVATIONS: Due to variable behaviour, nine specimens were tested as required by Clause 2.8 of AS/NZS 1530.3-1999. Of the nine specimens that ignited, only six emitted a rise of 1.4-kW/m² in the prescribed period.

RESULTS: The following means and standard errors were obtained:

Parameter	Mean	Standard Error
Ignition Time (min)	7.2	0.6
Flame Spread Time (s)	51.8	10.5
Heat Release Integral (kJ/m ²)	105.6	11.4
Smoke Release (log ₁₀ D)	-1.290	0.048

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)
13	7	4	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.

DATES OF TEST: 5 November 2004, 10 November
Issued on the 17th day of November 2004 without alterations or additions.


Russell Collins
Testing Officer


Garry E Collins
Manager, Fire Testing and Assessments



This laboratory is accredited (Accreditation No. 3632) 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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