

Certificate of Test

CZ52 NE3081

REPORT NO. FNE7722

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

TRADE NAME: UNIJET CEILING DIFFUSER

SPONSOR: Westaflex Australia Pty. Ltd.
140-152 Bamfield Road
WEST HEIDELBERG VIC
AUSTRALIA

DESCRIPTION OF TEST SPECIMEN:

The sponsor described the specimen as a circular PVC air-conditioning or heating diffuser. The sample contained flame retardant additives.

Nominal diameter: 236 mm
Nominal height: 103.6 mm
Nominal mass: 359.8 g
Colour: white

TEST PROCEDURE: Six samples were tested in accordance with Australian Standard 1530, Method for fire tests on building materials, components and structures, Part 3: Simultaneous determination of ignitability, flame propagation, heat release and smoke release, 1999. For the test, one diffuser was installed through a 4.5 mm thick fibre-reinforced-cement board (Group 4), and retained by one layer of square mesh having 0.8 mm dia. wires at approximately 13 mm centres over the exposed face.

OBSERVATIONS: Samples began to melt after approximately three minutes exposure to the test. Some flashing occurred on the samples prior to ignition.

RESULTS: The following means and standard errors were obtained:

Parameter	Mean	Standard Error
Ignition Time (min)	5.7	0.2
Flame Spread Time (s)	N/A	N/A
Heat Release Integral (kJ/m ²)	13.8	2.2
Smoke Release (log ₁₀ D)	-0.790	0.064

For regulatory purposes these figures correspond to the following indices:

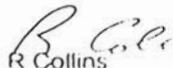
Ignitability Index (0-20)	Spread of Flame Index (0-10)	Heat Evolved Index (0-10)	Smoke Developed Index (0-10)
14	0	0	5

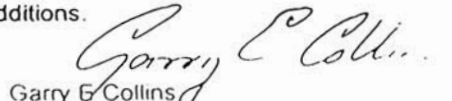
The specimen was tested on a Group 4 substrate material as specified by Clause 4.4.3 of AS1530.3-1999. These results only apply to any substrate in the same group or a less reactive material.

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.

DATES OF TEST: 24 March 2000

Issued on the 31st day of March 2000 without alterations or additions.


R Collins
Testing Officer


Garry E Collins
Manager Fire Testing and Assessment



Accreditation No. 3632

The 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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