



No. 1319882.5

(Please quote this number in all correspondence)

CLIENT:
Warwick Fabrics Ltd.
PO Box 100-721
NSMC, Auckland

SAMPLE RECEIVED FROM:
Warwick Fabrics Ltd.

Date Received: 28.2.20

Attn.: Meg Sinclair

SAMPLE DESCRIPTION:
Upholstery fabric – Osmond with tritan backing, orange colour.
Nominal Composition – 61% Acrylic 39% Polyester

Client Order No.: Meg

Client Reference:

1 of 2

**AS/NZS 1530.3 – 1999 Methods for Fire Tests on Building Materials, Components and Structures
Part 3: Simultaneous Determination of Ignitability, Flame Propagation,
Heat Release and Smoke Release**

Note: This test was sub-contracted (Test No. 20-001184).

Face Tested: Face

	Standard Error	Mean
Ignition Time	0.21	5.47 min.
Flame Propagation Time	5.8	36.0 sec.
Heat Release Integral	3.1	126.0 kJ/m ²
Smoke Release, log d	0.0269	-0.7246
Optical Density, d		0.1914 / metre

Number of Specimens Ignited	9
Number of Specimens Tested	9

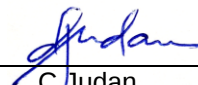
Regulatory Indices:

Ignitability Index	15	Range 0-20
Spread of Flame Index	8	Range 0-10
Heat Evolved Index	5	Range 0-10
Smoke Developed Index	5	Range 0-10

"THIS REPORT APPLIES ONLY TO THE SAMPLES TESTED"

Samples and their identifying descriptions have been provided by the client unless otherwise stated. NZWTA Ltd makes no warranty, implied or otherwise as to the source of the tested samples. The above results are designed to provide THE CLIENT WITH GUIDANCE INFORMATION ONLY. This document shall not be reproduced except in full.

L A Greer
Signatory


C Judan
Signatory

30/03/2020



NZWTA

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The reaction of thin unsupported flexible materials to flame impingement can be assessed in accordance with AS 1530.2. Where materials of thickness less than 2mm that are sufficiently flexible to be bent by hand around a mandrel of 2mm diameter or less are subjected to the test described herein, they should also be subjected to the test in AS 1530.2.

Each test specimen had an unattached backing of 4.5mm thick fibre reinforced cement board.

Each test specimen was restrained on the exposed face by a layer of galvanised welded square mesh made from wire of nominal diameter 0.8mm and nominal spacing 12mm in both directions and securely fixed to a backing board at four points each 100mm from the centre of the sample and the assembly clamped in four places.

To allow free movement of the sample during testing all corners were folded away from the clamps.

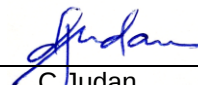
These results only apply to the specimen mounted, as described in this report. The result of this fire test may be used to directly assess fire hazard, but it should be recognised that a single test method will not provide a full assessment of fire hazard under all fire conditions.

Inconsistent flame spread behaviour was observed. Only 7 of the 9 specimens registered flame spread. The Spread of Flame Index quoted above is based on these 7 specimens.

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