



**No. 1141903.3**

(Please quote this number in all correspondence)

CLIENT: At Work  
PO Box 37 378  
Parnell, Auckland

SAMPLE RECEIVED FROM: At Work

Date: 28.6.16

Attn.:

SAMPLE DESCRIPTION:  
One fabric Duke, 72% Polyester 28% Cotton (100% Polyester pile), 614 grams per lineal metre, end use – upholstery.

Client Order No.:

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**

Face Tested: Face


|                             | Standard Error | Mean                    |            |
|-----------------------------|----------------|-------------------------|------------|
| Ignition Time               | 0.25           | 9.06 min.               |            |
| Flame Propagation Time      | 4.7            | 25.8 sec.               |            |
| Heat Release Integral       | 4.4            | 112.7 kJ/m <sup>2</sup> |            |
| Smoke Release, log d        | 0.0450         | -0.5979                 |            |
| Optical Density, d          |                | 0.2628/metre            |            |
| Number of Specimens Ignited |                | 9                       |            |
| Number of Specimens Tested  |                | 9                       |            |
| Regulatory Indices:         |                |                         |            |
| Ignitability Index          |                | 11                      | Range 0-20 |
| Spread of Flame Index       |                | 8                       | Range 0-10 |
| Heat Evolved Index          |                | 4                       | Range 0-10 |
| Smoke Developed Index       |                | 6                       | Range 0-10 |

This test was carried out by a sub-contracted laboratory.

**"THIS REPORT APPLIES ONLY TO THE SAMPLES TESTED"**

Except where the sample is drawn independently by NZWTA Ltd. NZWTA Ltd makes no warranty, implied or otherwise as to the source of the tested sample. The above test results are not certified due to the adoption of modified and/or non-standard procedures designed to provide THE CLIENT WITH GUIDANCE INFORMATION ONLY. Except where precluded by law, no responsibility can be accepted by NZWTA Ltd for any claim which may arise from any person acting on information contained herein.

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Signatory

  
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12/07/2016

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| Client Order No.:  | Client Reference:   | 2 of 2        |

Inconsistent flame spread behaviour was observed. Only 6 of the nine specimens registered flame spread. The Spread of Flame Index quoted above is based on the 6 specimens.

Each specimen had an unattached backing of 4mm thick fibre reinforced cement board.

The specimens melted away from the area of maximum heat and produced flaming droplets during the test. Due to this phenomena it should be recognised that this test result may not be a true indication of the product's fire hazard properties.

The specimens melted and flowed away from the area of maximum heat during the test. Due to this phenomena it should be recognised that this test result may not be true indication of the product's fire hazard properties.

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.

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