



No. 1218240.8

(Please quote this number in all correspondence)

CLIENT:
At Work
PO Box 37 378
Parnell, Auckland

SAMPLE RECEIVED FROM:
At Work

Date Received: 15.2.18

SAMPLE DESCRIPTION:
Teal colour Synergy quilt sample.
Nominal composition – 95% Wool 5% Polyamide with
Polyurethane Foam & Polyester backing.
Nominal weight – 700gsm
End use – Panel & 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 | 0.08 | 2.83 min. | |
| Flame Propagation Time | Nil | Nil sec. | |
| Heat Release Integral | 1.5 | 44.3 kJ/m ² | |
| Smoke Release, log d | 0.0465 | -0.7429 | |
| Optical Density, d | | 0.1857 / metre | |
| Number of Specimens Ignited | | 6 | |
| Number of Specimens Tested | | 6 | |
| Regulatory Indices: | | | |
| Ignitability Index | | 17 | Range 0-20 |
| Spread of Flame Index | | 0 | Range 0-10 |
| Heat Evolved Index | | 1 | Range 0-10 |
| Smoke Developed Index | | 5 | Range 0-10 |

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

"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

05/03/2018

New Zealand Wool Testing Authority Ltd

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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.

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

The specimens melted and flowed 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.

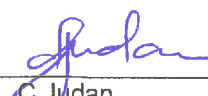
Each test specimen was restrained on the exposed face by a layer of galvanised welded square mesh made from wire of nominal diameter 0.8mm and nominal spacing 12mm in both directions and securely fixed to a backing board at four points each 100mm from the centre of the sample and the assembly clamped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

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

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