## **AWTA Product Testing**

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing A.B.N 43 006 014 106

1st Floor, 191 Racecourse Road, Flemington, Victoria 3031 P.O Box 240, North Melbourne, Victoria 3051 Phone (03) 9371 2400 Fax (03) 9371 2499

## **TEST REPORT**

Client: **Unique Fabrics** 

6 Mt Eden Road

Eden Terrace, Auckland New Zealand

New Zealand

"Fino" **Sample Description** Clients Ref:

Woven velvet upholstery fabric

Colour: Stone End Use: Upholstery

Face: 100% Polyester Back: 100% Polyester Nominal Composition:

Approx. 441g/m2 Nominal Mass per Unit Area/Density:

Nominal Thickness: Approx. 2mm

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

Date tested:

16/10/2017

Test Number :

**Issue Date** 

**Print Date** 

Mean

17-005458

18/10/2017

18/10/2017

Ignition time Flame propagation time

0.26 Nil

Standard Error

10.08 min Nil

sec

Heat release integral

1.5

kJ/m² 52.7

Smoke release, log d

Optical density, d

0.0217

-0.94470.1143 / metre

6

Number of specimens ignited: Number of specimens tested:

6

Regulatory Indices:

Ignitability Index Spread of Flame Index

Range 0-10

Range 0-20

Range 0-10

Heat Evolved Index

Range 0-10

Smoke Developed Index

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0204/11/06

Accredited for compliance with ISO/IEC 17025 - Chemical Testing

Mechanical Testing

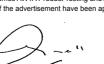
Performance & Approvals Testing

: Accreditation No

Accreditation No

· Accreditation No. 1356

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**Test Number** : 17-005458 **Issue Date** : 18/10/2017

Print Date : 18/10/2017

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.

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 a true indication of the product's fire hazard properties.

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 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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- Chemical Testing
- Mechanical Testing

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