AWTA PRODUCT TESTING

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

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TEST REPORT

Client: Materialised Pty Ltd

19 Heath Road Blakehurst NSW 2221 **Test Number** : 15-002789

Issue Date : 25/06/2015 Print Date : 25/06/2015

Order Number: 30406

Sample Description Clients Ref : "Pocket Weave"

Woven pocket weave Colour: Blue/Grey

Nominal Composition: 100% Polyester

Nominal Mass per Unit Area/Density: Approx: 200g/m2

Nominal Thickness: Approx: 1mm

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: 24/06/2015

	Standard Error	Mean	
Ignition time	0.42	12.13	min
Flame propagation time	Nil	Nil	sec
Heat release integral	2.7	59.5	kJ/m²
Smoke release, log d	0.0275	-0.3803	

Optical density, d 0.4183 / metre

No of samples which ignited 3

For Samples which ignited

Smoke Release (Log D) - Mean -0.3803
Smoke Release (Log D) - Standard Error 0.0273
No of samples which did not ignite 6

For Samples which did not ignite

Smoke Release (Log D) - Mean -1.9865
Smoke Release (Log D) - Standard Error 0.0531
Number of specimens tested:

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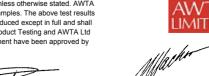
Accredited for compliance with ISO/IEC 17025

- Chemical Testing
- Mechanical Testing

- Performance & Approvals Testing

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MICHAEL A. JACKSON B.Sc.(Hons)

APPROVED SIGNATORY

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Regulatory Indices:

Ignitability Index
Spread of Flame Index

Heat Evolved Index
Smoke Developed Index

8 Range 0-20

0 Range 0-10

2 Range 0-10

6 Range 0-10

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.

Ignition is initiated by a pilot flame that is held near, but does not touch the specimen. A material that does not ignite during the standard test may ignite if contacted with a pilot flame during the test.

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

The specimens were mounted to simulate use in an unsupported or free hanging mode. The results may be significantly different when mounted to simulate a wall cladding or upholstery application.

Each test specimen was sandwiched between two layers of galvanised welded square mesh made from wire of nominal diameter 0.8mm and nominal spacing 12mm in both directions, stapled through at four points, each 100mm from the centre of the sample and the assembly clamped in four places.

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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