

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 : Materialised Pty Ltd
19 Heath Road
Blakehurst NSW 2221

Test Number : 14-001271
Issue Date : 20/11/2014
Print Date : 20/11/2014
Order Number : 28894

Sample Description Clients Ref : "Ink Resistant Polyurethane"
Knitted fabric with coated face
Colour : Brown
End Use : Upholstery
Nominal Composition : Polyurethane face, 100% Polyester backing

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: 20/11/2014

	Standard Error	Mean
Ignition time	0.30	8.11 min
Flame propagation time	Nil	Nil sec
Heat release integral	2.8	79.9 kJ/m ²
Smoke release, log d	0.0186	-0.8701
Optical density, d		0.1355 / metre

Number of specimens ignited: 6
Number of specimens tested: 6

Regulatory Indices:

Ignitability Index	12	Range 0-20
Spread of Flame Index	0	Range 0-10
Heat Evolved Index	3	Range 0-10
Smoke Developed Index	5	Range 0-10

8361

1444

Page 1 of 2

© Australian Wool testing Authority Ltd
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025
- Chemical Testing
- Mechanical Testing
- Performance & Approvals Testing

: Accreditation No. 983
: Accreditation No. 985
: Accreditation No. 1356

Samples and their identifying descriptions have been provided by the client unless otherwise stated. AWTA Ltd makes no warranty, implied or otherwise, as to the source of the tested samples. The above test results relate only to the sample or samples tested. This document shall not be reproduced except in full and shall be rendered void if amended or altered. This document, the names AWTA Product Testing and AWTA Ltd may be used in advertising providing the content and format of the advertisement have been approved by the Managing Director of AWTA Ltd.



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 : Materialised Pty Ltd
19 Heath Road
Blakehurst NSW 2221

Test Number : 14-001271
Issue Date : 20/11/2014
Print Date : 20/11/2014
Order Number : 28894

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 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.

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

8361

1444

Page 2 of 2

© Australian Wool testing Authority Ltd
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025
- Chemical Testing
- Mechanical Testing
- Performance & Approvals Testing

: Accreditation No. 983
: Accreditation No. 985
: Accreditation No. 1356

Samples and their identifying descriptions have been provided by the client unless otherwise stated. AWTA Ltd makes no warranty, implied or otherwise, as to the source of the tested samples. The above test results relate only to the sample or samples tested. This document shall not be reproduced except in full and shall be rendered void if amended or altered. This document, the names AWTA Product Testing and AWTA Ltd may be used in advertising providing the content and format of the advertisement have been approved by the Managing Director of AWTA Ltd.



Received: 12/13/2013 Completed: 12/17/2013 Letter: S AM P.O.#: Test Report #: 2-99977-0-

Client's Identification Gordon. Gibbs. Patterson. Lawson. McCullough - Writers Block

Key Test: IMO MSC 88/26/Add.2 Part 8 (3.1) 215

Category: Uph.Furniture(cig) Specifier: IMO PC: 16H /dl

TEST PERFORMED: IMO 2010 FTP Code - International Code for Application of Fire Test Procedures - Resolution MSC.307(88): Annex I - Fire Test Procedures, Part 8 - Test For Upholstered Furniture

IGNITION SOURCE: Smouldering cigarette (section 3.1)

TEST ITEM COMPOSITE:

Cover Fabric --

- ☒ Client's cover fabric: (see "Client's Identification" section above)
- ☐ Standard cover fabric, 100% inherently flame retardant polyester fabric, approx. 220 g/m²

Filling Material --

- ☒ Standard filling material, as listed below:
 - ☒ Non flame retardant flexible polyether foam, 22 kg/m³ (1.4 lb/ft³)
 - ☐ Flame retardant polyurethane foam, Code Red II 35, 45 kg/m³ (2.8 lb/ft³)
 - ☐ Non flame retardant flexible polyether foam, 22 kg/m³ (1.4 lb/ft³), wrapped with Uniguard fire blocking material
- ☐ Client's filling material:

WATER SOAKING: Is not mandated by MSC.307(88)

RESULTS:

	Progressive Smouldering Within 1 hr After Start of Test (yes/no)	Flaming Within 1 hr After Start of Test (yes/no)
	-----	-----
Initial Test:	No	No
Retest:	No	No



The
Govmark
Organization, Inc.

96-D Allen Boulevard
Farmingdale, New York 11735-5626 USA
Tel. +1 (631) 293-8944 Fax +1 (631) 293-8956
e-mail: info@govmark.com

Page 2

Received: 12/13/2013	Completed: 12/17/2013	Letter: S	AM	P.O.#:	Test Report #:	2-99977-0-
----------------------	-----------------------	-----------	----	--------	----------------	------------

Client's Identification	Gordon, Gibbs, Patterson, Lawson, McCullough - Writers Block
----------------------------	--

Key Test: IMO MSC 88/26/Add.2 Part 8 (3.1) 215

REMARKS: None.

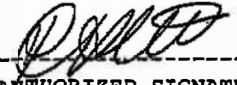
FAILURE CRITERIA:

Progressive smouldering or flaming within one hour after start of test.

CONCLUSION: Based on the above Results and Failure Criteria, the item tested:

☒ Passes; ☐ Fails

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified by IMO Resolution MSC.307(88).



AUTHORIZED SIGNATURE
THE GOVMARK ORGANIZATION, INC. / ec

DEC 31 2013

MS. PHYLLIS PETTIT

{Page 2 of 2}