

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 : Duct Tech Pty Ltd
302-304 Boundary Road
Dingley VIC 3172

Test Number : 15-001486
Issue Date : 08/04/2015
Print Date : 8/04/2015

Sample Description Clients Ref : "Spacesaver Low Profile Duct"
Rigid ducting
Colour : Neutral
End Use : Domestic & Commercial ventilation
Nominal Composition : PVC
Nominal Mass per Unit Area/Density : Approx. Mass per unit area: 2.09kg/m²
Nominal Thickness : Approx. Thickness: 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: 02/04/2015

	Standard Error	Mean
Ignition time	Nil	Nil min
Flame propagation time	Nil	Nil sec
Heat release integral	Nil	Nil kJ/m ²
Smoke release, log d	0.0536	-1.2365
Optical density, d		0.0603 / metre

Number of specimens ignited: 0
Number of specimens tested: 6

Regulatory Indices:

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

20392

4088

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.

0204/11/06

APPROVED SIGNATORY

MICHAEL A. JACKSON B.Sc.(Hons)
MANAGING DIRECTOR

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 : Duct Tech Pty Ltd
302-304 Boundary Road
Dingley VIC 3172

Test Number : 15-001486
Issue Date : 08/04/2015
Print Date : 8/04/2015

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.

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.

20392

4088

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.

0204/11/06

APPROVED SIGNATORY

MICHAEL A. JACKSON B.Sc.(Hons)
MANAGING DIRECTOR

AWTA PRODUCT TESTING

A Division of Australian Wool Testing Authority Limited

Laboratory: 1st Floor, 191 Racecourse Rd, Flemington, Victoria 3031 P.O. Box 240 Nth Melbourne 3051
Website: www.awtaproducttesting.com.au

A.B.N. 43 006 014 106
Tel: (03) 9371 2400 Fax: (03) 9371 2499
Email: producttesting@awta.com.au

This is to confirm that the product as described below has been tested by AWTA Product Testing.

Testing was performed in accordance with AS/NZS 1530.3 - 1999

Test Number 15-001486
Issue Date 08/04/2015

Test Sponsor

Duct Tech
302-304 Boundary Road
Dingley, Vic 3072

Sponsor Product Reference: "Spacesaver Low Profile Duct"

Sponsor Product Description: Rigid Ducting
Colour: Neutral
Nominal Composition: PVC
Nominal Mass: Approx. 2.09 kg/m²
Nominal Thickness: Approx. 2mm

The above sample is deemed to pass the requirements as specified in AS 4254.2-2012, clause 2.1(a)

Simone Sabatino
Laboratory Supervisor

It should be borne in mind that the opinions expressed in this letter are based on a limited number of observations made on a single sample and may be subject to alteration if more detailed testing was to be carried out. We recommend that you have further testing conducted if the information above is critical to your decisions on this product.

The message/document(s) contained in this electronic attachment is intended for the party to which it is addressed and may contain confidential information or be subject to professional privilege. Its transmission is not intended to place the contents into the public domain.

If you have received this transmission in error, its disclosure or copying is prohibited. Please contact us by collect call so that arrangements can be made at our expense to rectify the error.

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 : AIR SYSTEMS
302-304 BOUNDARY ROAD
DINGLEY VIC 3172

TEST NUMBER : 7-597579-CV
ISSUE DATE : 27/05/2014
PRINT DATE : 27/05/2014

SAMPLE DESCRIPTION Clients Ref: "Spacesaver low profile duct"
Rigid ducting
Nom Com: Polyvinyl chloride
End Use: Domestic and commercial ventilation

UL 181.11-2013 Burning Test - Air Duct

- EXTERNAL	Vertical	45deg	Horizontal	
1st after flame time	0	0	0	s
1st after glow time	0	0	0	s
2nd after flame time	0	0	0	s
2nd after glow time	0	0	0	s
Did flaming or glowing travel				
full length of specimen	No	No	No	
Did flaming droplets ignite cotton	-	No	NO	

- INTERNAL	Vertical	45deg	Horizontal	
1st after flame time	0	0	0	s
1st after glow time	0	0	0	s
2nd after flame time	0	0	0	s
2nd after glow time	0	0	0	s
Did flaming or glowing travel				
Full length of specimen	No	No	No	

Requirements: Duration of flaming or glowing of any sample after withdrawal of the test flame is not to exceed 60 seconds, flaming or glowing is not to travel the full length of the sample and flaming particles dropped from the exterior surface of the sample during the horizontal and 45 degree exterior exposures are not to ignite the surgical cotton

Complies

Compliance to AS 4254-2, 2012, Clause 2.1.2
Requirement: Shall pass the UL181 test

Complies

207313

1

(END OF REPORT)

PAGE 1

© Australian Wool Testing Authority Ltd
Copyright - All Rights Reserved



This Laboratory is accredited by the National Association of Testing Authorities, Australia, for:
- Chemical Testing of Textiles & Related Products : Accreditation No. 983
- Mechanical Testing of Textiles & Related Products : Accreditation No. 985
- Heat & Temperature Measurement : Accreditation No. 1356

This document is issued in accordance with NATA's accreditation requirements. 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 in advance by the Managing Director of AWTA Ltd.



0204/11/06

APPROVED SIGNATORY

MICHAEL A. JACKSON B.Sc. (Hons)
MANAGING DIRECTOR