

# 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

## Group Number Assessment

(In accordance with AS 5637.1-2015)

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 3837-1998 Method of test for heat and smoke release rates for materials and products using an oxygen consumption calorimeter.

**Test Sponsor :** The Laminex Group  
22 Trewin Street  
Wendouree VIC 3355

**Test Number :** 14-000491  
**Issue Date :** 16/10/2014  
**Print Date :** 29/08/2016

**Sponsor Product** Clients Ref : "Sample 15619 Laminex Vertiboard"  
Rigid panel  
Nominal Composition : LPM decorative surface on PB  
Nominal Mass per Unit Area/Density : 650kg/m<sup>3</sup>  
Nominal Thickness : 18mm

Product Group Number Classification : 3  
Average Specific Extinction Area : 19.8 m<sup>2</sup>/kg



Chris Campbell  
Client Relations Manager

549

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. It's transmission is not intended to place the contents into the public domain.

If you have received this transmission in error, it's 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 :** The Laminex Group  
PO Box 720  
Wendouree VIC 3355

**Test Number :** 14-000491  
**Issue Date :** 16/10/2014  
**Print Date :** 16/10/2014  
**Order Number :** 1974

**Sample Description** Clients Ref : "Sample 15619 Laminex Vertiboard"  
Rigid panel  
Nominal Composition : LPM decorative surface on PB  
Nominal Mass per Unit Area/Density : 650kg/m<sup>3</sup>  
Nominal Thickness : 18mm

**AS/NZS 3837-1998** Method of Test for Heat and Smoke Release Rates for Materials and Products using an Oxygen Consumption Calorimeter

	Specimen				
	1	2	3	Mean	
Average Heat Release Rate	49.7	50.9	47.8	49.5	kW/m <sup>2</sup>
Average Specific extinction area	28.1	10.7	20.7	19.8	m <sup>2</sup> /kg

(according to Specification C1.10 of the Building Code of Australia)

Test orientation : Horizontal

	Specimen				
	1	2	3	Mean	
Irradiance	50	50	50	50	kW/m <sup>2</sup>
Exhaust flow rate	24	24	24	24	L/sec
Time to sustained flaming	60	54	62	59	sec
Test duration	3600	3595	3600	3598	sec
Peak heat release after ignition	163.6	158.6	172.2	164.8	kW/m <sup>2</sup>
Average heat at 60 s	125.3	119.6	136.3	127.1	kW/m <sup>2</sup>
Average heat at 180 s	131.8	133.1	134.3	133.1	kW/m <sup>2</sup>
Average heat at 300 s	130.7	131.9	131.0	131.2	kW/m <sup>2</sup>
Total heat released	175.8	180.3	168.9	175.0	MJ/m <sup>2</sup>
Average effective heat of combustion	13.0	13.5	12.7	13.0	MJ/kg

1,552

549

Page 1 of 8

© 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.



# 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 :** The Laminex Group  
PO Box 720  
Wendouree VIC 3355

**Test Number :** 14-000491  
**Issue Date :** 16/10/2014  
**Print Date :** 16/10/2014  
**Order Number :** 1974

Initial thickness	18.0	18.0	18.0	18.0	mm
Initial mass	124.7	124.7	124.5	124.6	g
Mass remaining	14.4	15.5	15.0	15.0	g
Mass percentage pyrolysed	88.4	87.5	87.9	88.0	g
Mass loss	110.3	109.2	109.5	109.6	g
Average rate of mass loss	3.8	3.8	3.8	3.8	g/m <sup>2</sup> .s

The formulae given in the Building Code of Australia have been shown to give inaccuracies in determination of Group Number for certain materials. Due to this AWTA Product Testing no longer reports Group Numbers. The formulae for calculation of Group number is available from the website of the Australian Building Codes Board. The results reported herein shall not be used to derive a Group Number in accordance with the NCC without undertaking validation of the performance that is predicted.

These test results relate only to the behaviour of the product under the conditions of the test, they are not intended to be the sole criterion for assessment of performance under real fire conditions.

Tests were conducted with a wire grid placed over the sample during testing. This was done to contain intumescent sample within the sample holder.

Tests were conducted with a simulated airgap, consisting of the sample resting on a 12mm spacer.

1,552

549

Page 2 of 8

© 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.



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

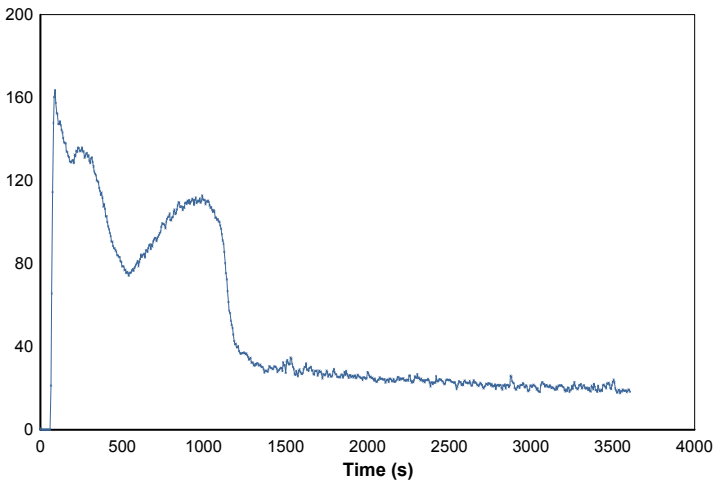
## TEST REPORT

Client : The Laminex Group  
PO Box 720  
Wendouree VIC 3355

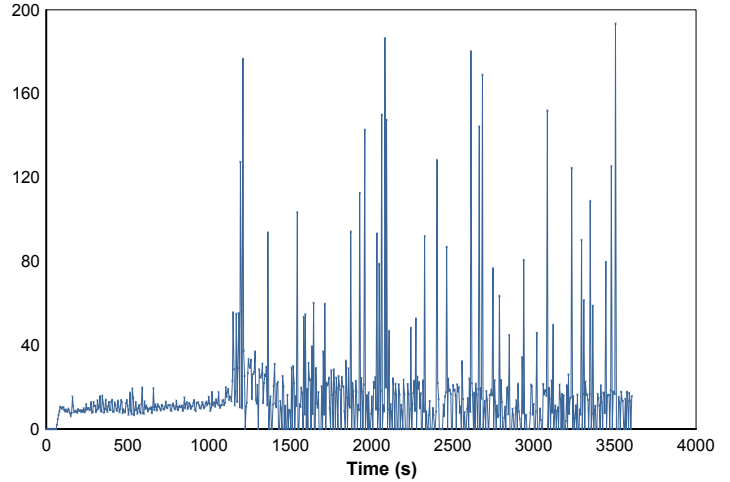
Test Number : 14-000491  
Issue Date : 16/10/2014  
Print Date : 16/10/2014  
Order Number : 1974

Specimen : 1

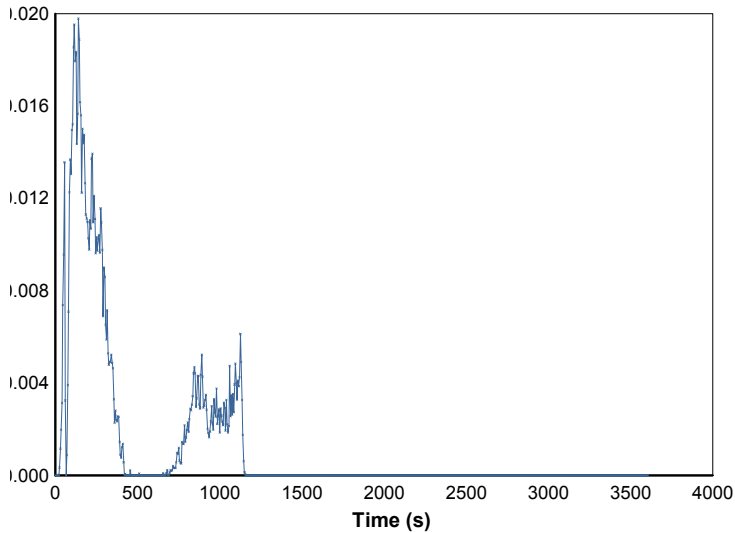
Heat release rate (kW/m<sup>2</sup>)



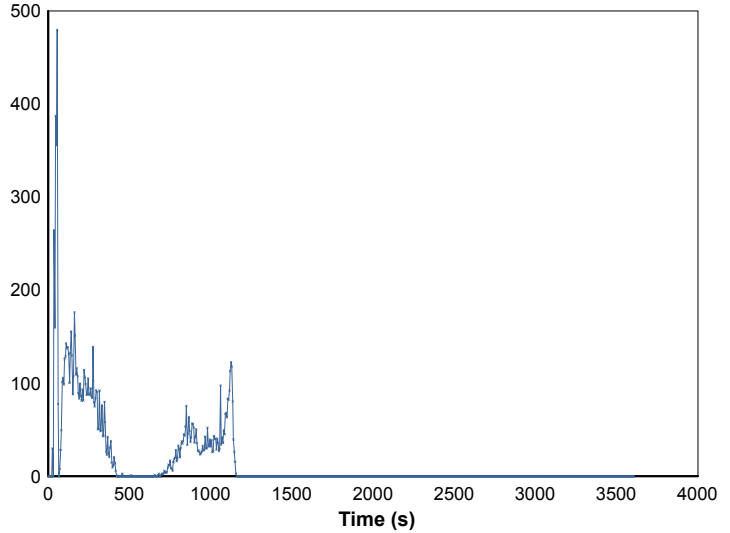
Effective heat of combustion (MJ/kg)



Smoke production rate (l/m<sup>2</sup>/s)



Specific extinction area (m²/kg)



1,552

549

Page 3 of 8

© 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.

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

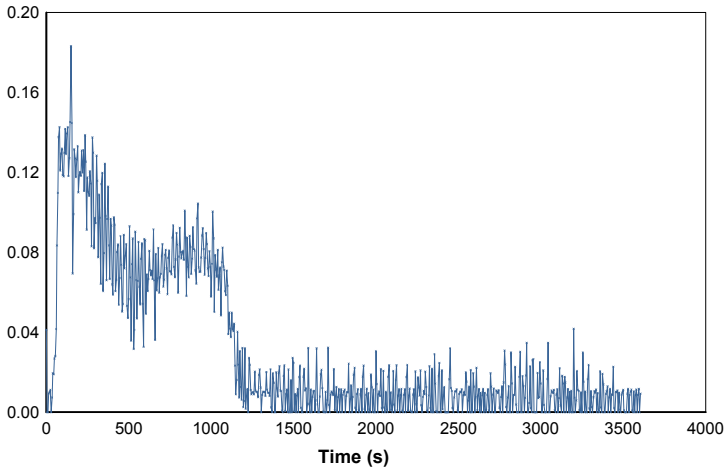
1st Floor, 191 Racecourse Road, Flemington, Victoria 3031  
P.O Box 240, North Melbourne, Victoria 3051  
Phone (03) 9371 2400 Fax (03) 9371 2499

## TEST REPORT

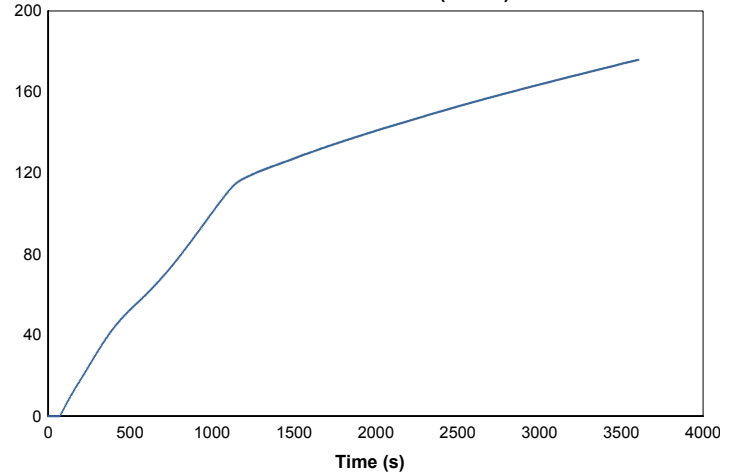
**Client :** The Laminex Group  
PO Box 720  
Wendouree VIC 3355

**Test Number :** 14-000491  
**Issue Date :** 16/10/2014  
**Print Date :** 16/10/2014  
**Order Number :** 1974

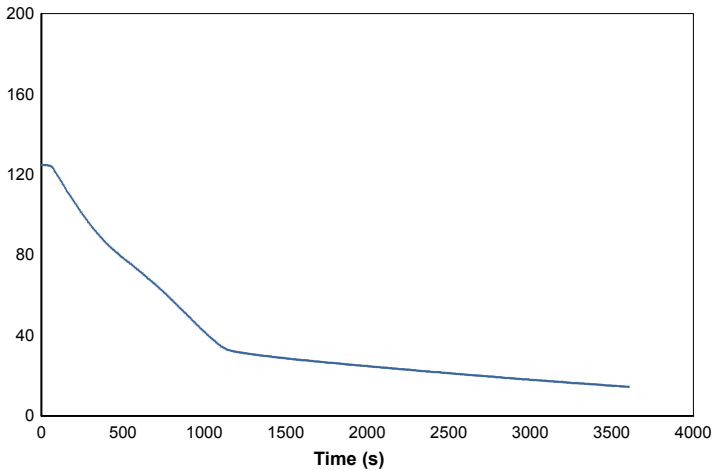
Mass loss rate (g/s)



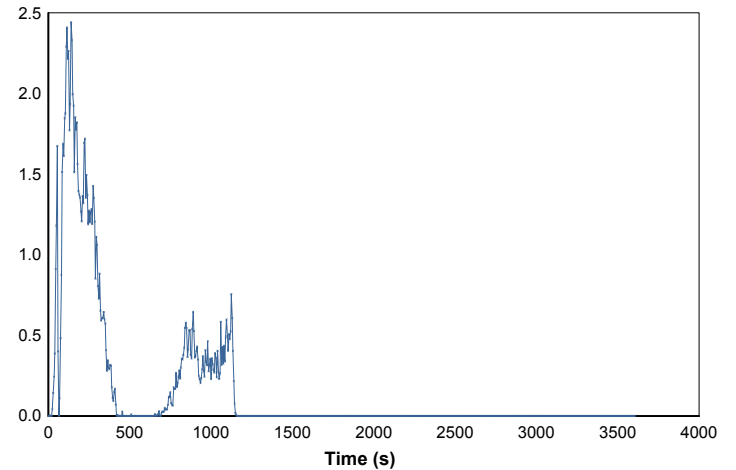
Total heat released (MJ/m<sup>2</sup>)



Mass (g)



Rate of smoke release ([m<sup>2</sup>/s)/m<sup>2</sup>)



1,552

549

Page 4 of 8

© 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.



# 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

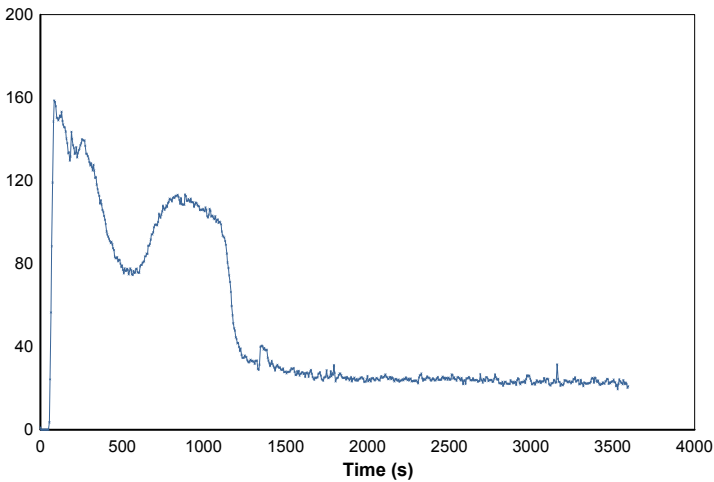
## TEST REPORT

Client : The Laminex Group  
PO Box 720  
Wendouree VIC 3355

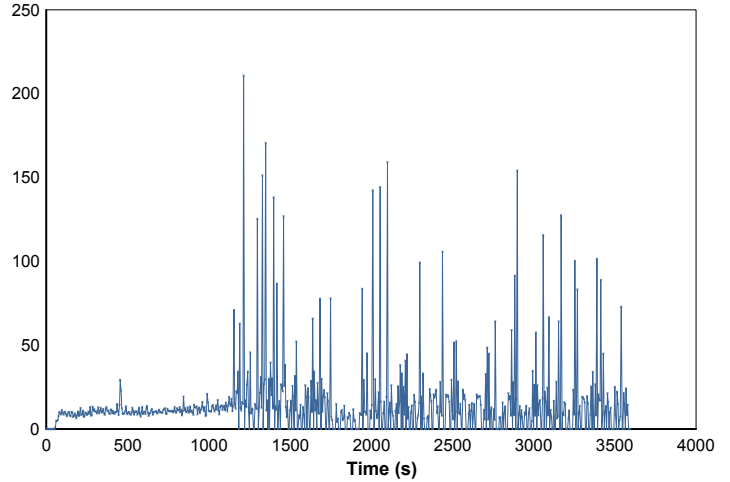
Test Number : 14-000491  
Issue Date : 16/10/2014  
Print Date : 16/10/2014  
Order Number : 1974

Specimen : 2

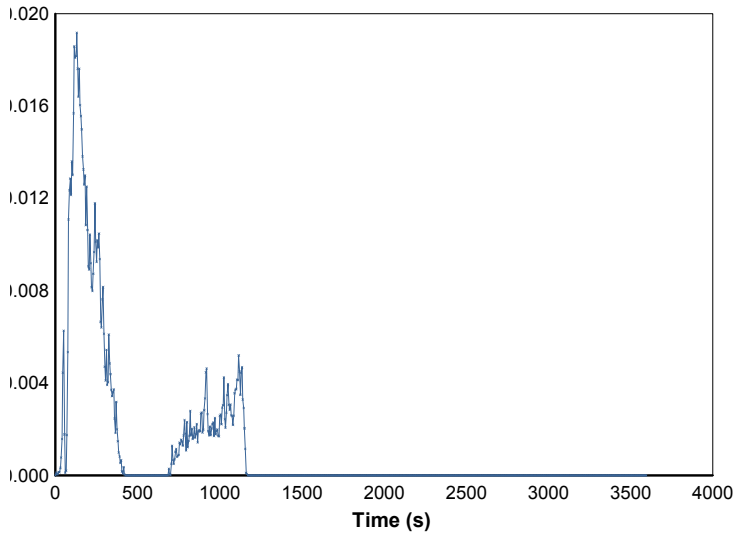
Heat release rate (kW/m<sup>2</sup>)



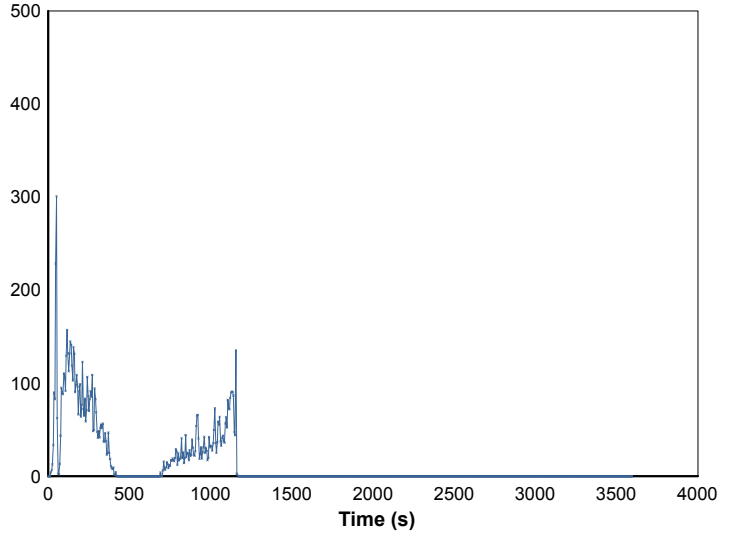
Effective heat of combustion (MJ/kg)



Smoke production rate (l/m<sup>2</sup>/s)



Specific extinction area (m<sup>2</sup>/kg)



1,552

549

Page 5 of 8

© 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.



# AWTA PRODUCT TESTING

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

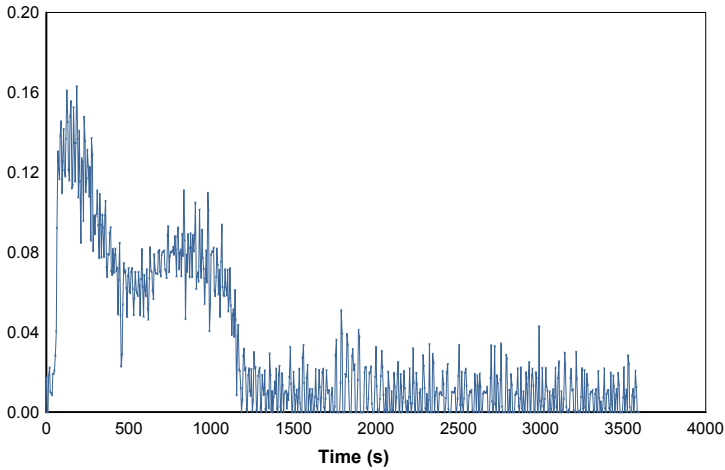
1st Floor, 191 Racecourse Road, Flemington, Victoria 3031  
P.O Box 240, North Melbourne, Victoria 3051  
Phone (03) 9371 2400 Fax (03) 9371 2499

## TEST REPORT

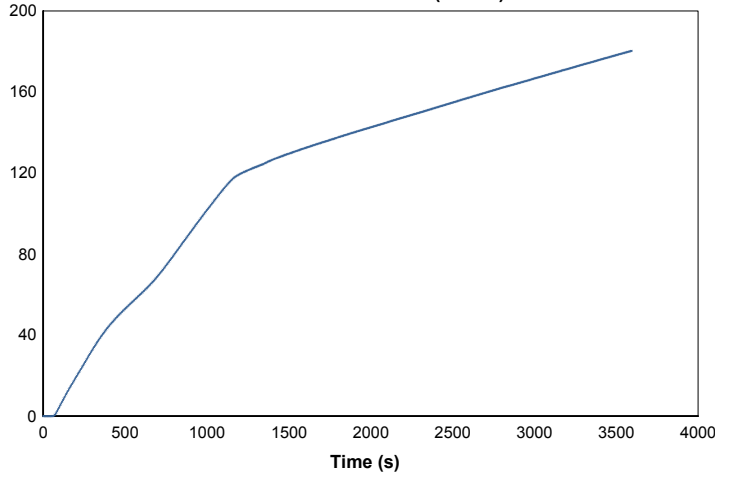
**Client :** The Laminex Group  
PO Box 720  
Wendouree VIC 3355

**Test Number :** 14-000491  
**Issue Date :** 16/10/2014  
**Print Date :** 16/10/2014  
**Order Number :** 1974

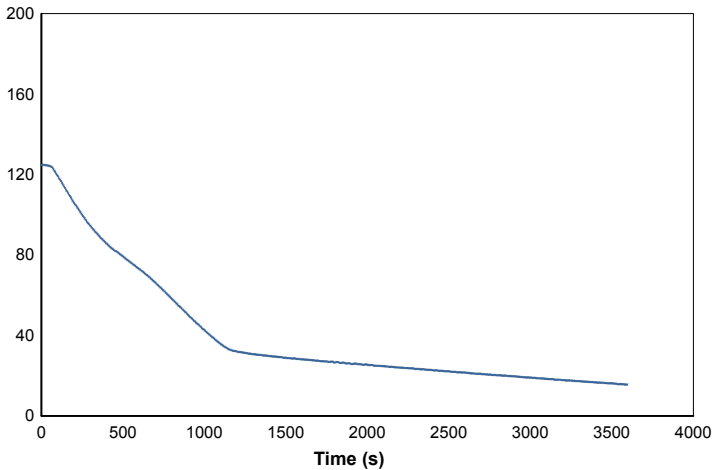
Mass loss rate (g/s)



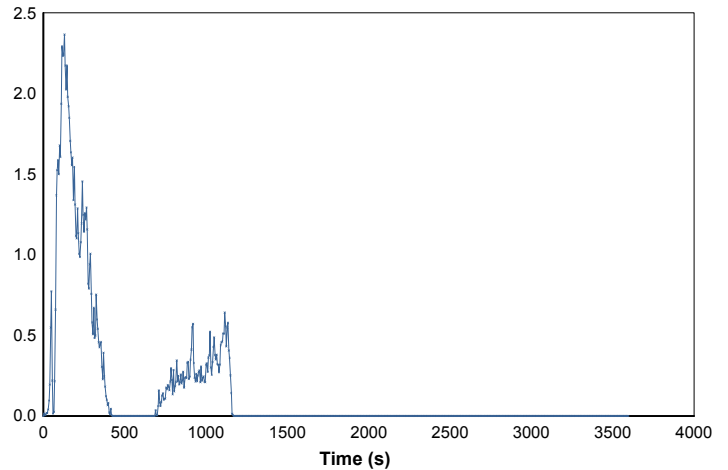
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s]/m²)



1,552

549

Page 6 of 8

© 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.



# 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

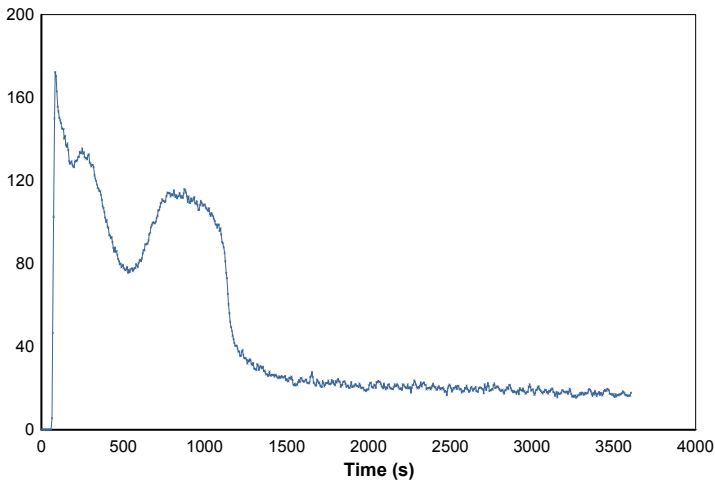
## TEST REPORT

Client : The Laminex Group  
PO Box 720  
Wendouree VIC 3355

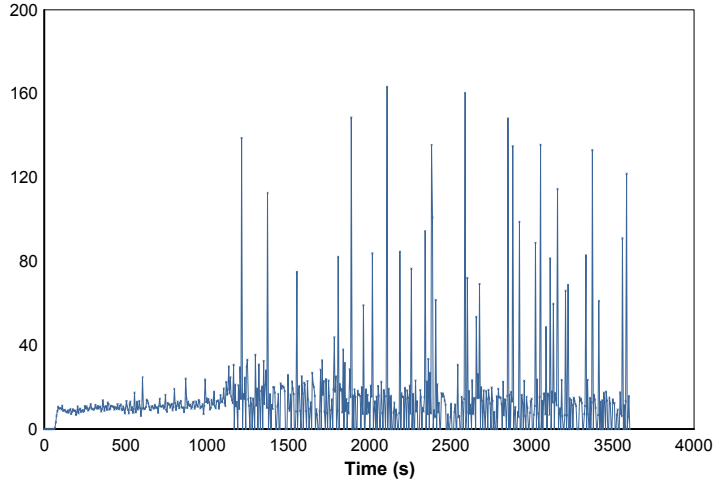
Test Number : 14-000491  
Issue Date : 16/10/2014  
Print Date : 16/10/2014  
Order Number : 1974

Specimen : 3

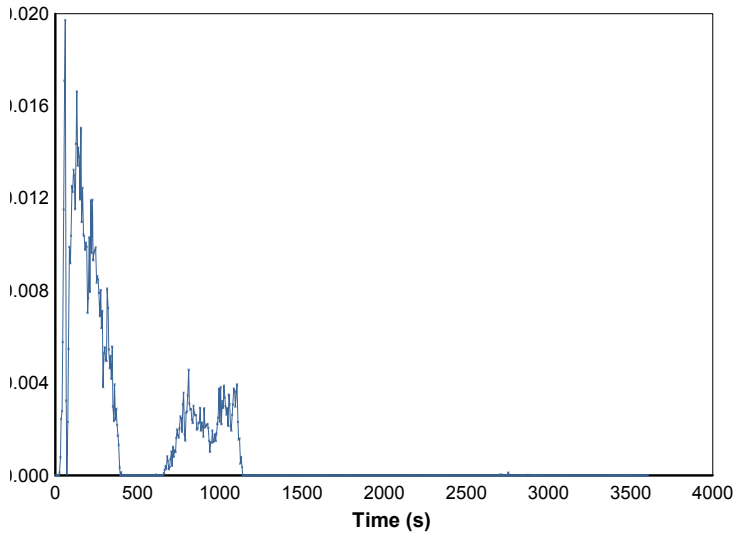
Heat release rate (kW/m<sup>2</sup>)



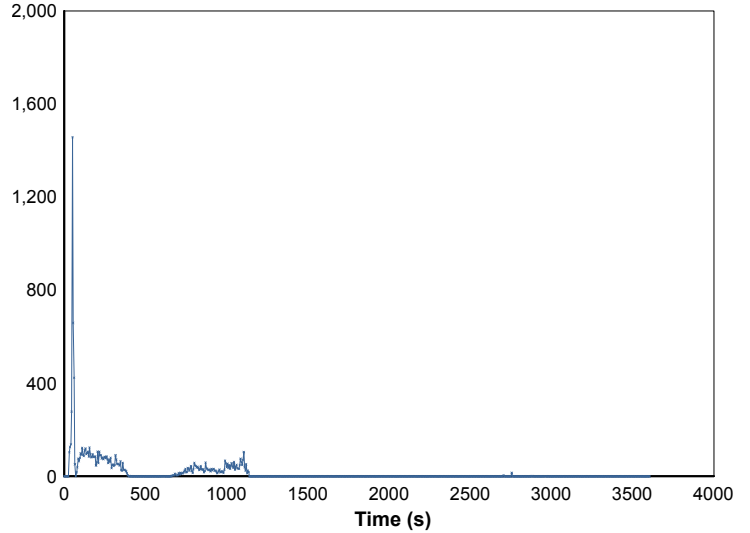
Effective heat of combustion (MJ/kg)



Smoke production rate (l/m<sup>2</sup>/s)



Specific extinction area (m<sup>2</sup>/kg)



1,552

549

Page 7 of 8

© 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.





# AWTA PRODUCT TESTING

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

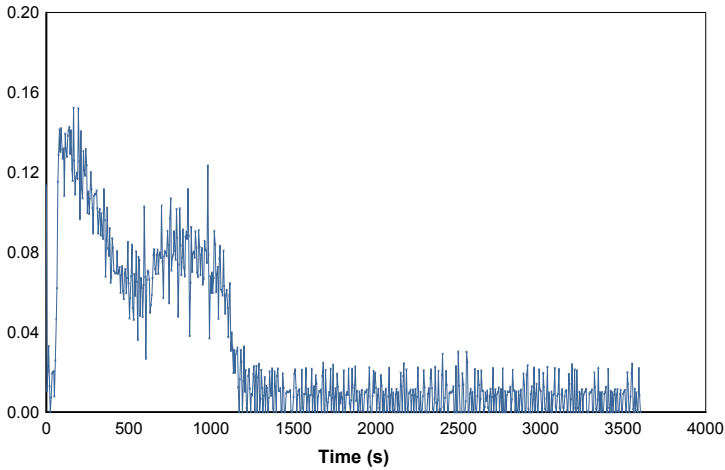
1st Floor, 191 Racecourse Road, Flemington, Victoria 3031  
P.O Box 240, North Melbourne, Victoria 3051  
Phone (03) 9371 2400 Fax (03) 9371 2499

## TEST REPORT

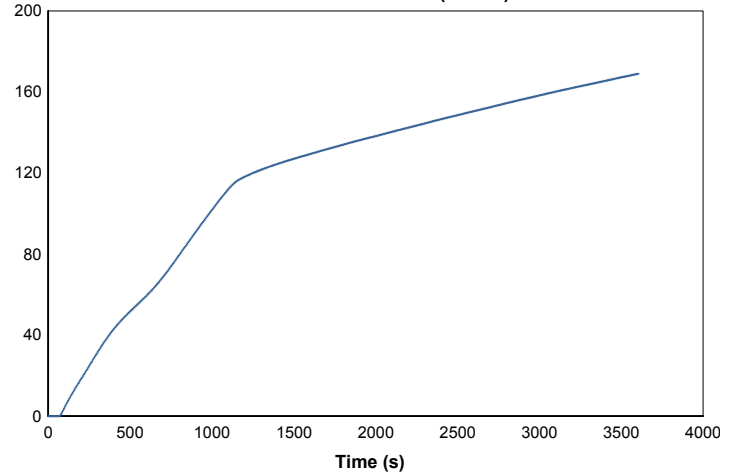
**Client :** The Laminex Group  
PO Box 720  
Wendouree VIC 3355

**Test Number :** 14-000491  
**Issue Date :** 16/10/2014  
**Print Date :** 16/10/2014  
**Order Number :** 1974

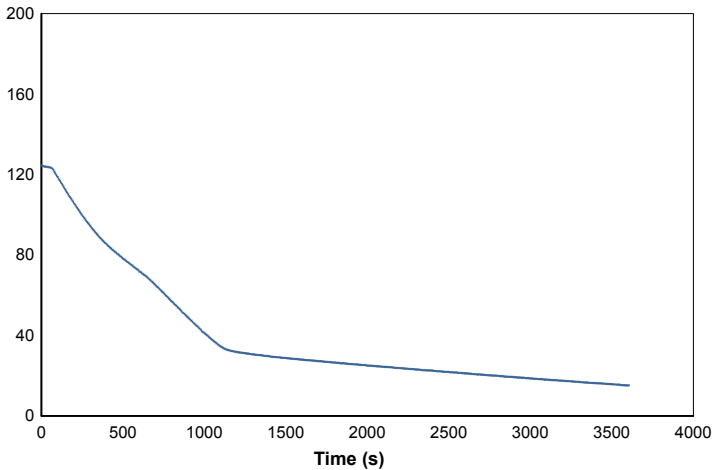
Mass loss rate (g/s)



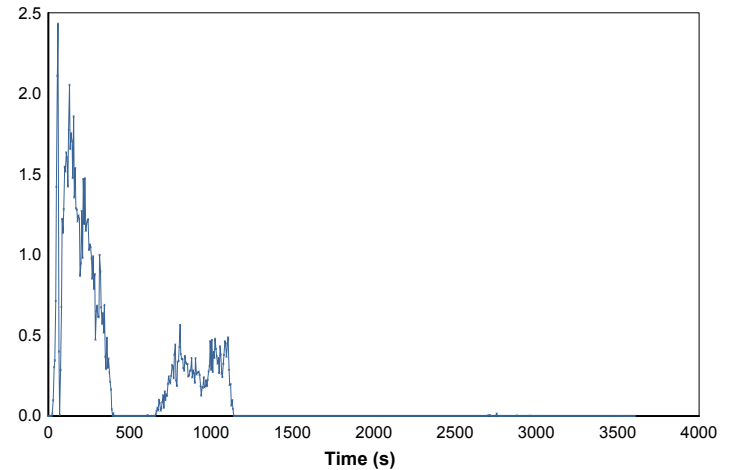
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s]/m²)



1,552

549

Page 8 of 8

© 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.

