

# 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 :** 19-003910  
**Issue Date :** 10/09/2019  
**Print Date :** 10/09/2019

**Sponsor Product** Clients Ref : "Easycraft Decorative Panel - MR EO MDF"  
Rigid Panel  
Colour : Natural  
Nominal Composition : Softwood fibres bonded with resin  
Nominal Mass per Unit Area/Density : 760kg/m3  
Nominal Thickness : 9mm

Product Group Number Classification : 3

Average Specific Extinction Area : 41.7 m<sup>2</sup>/kg



Chris Campbell  
Client Relations Manager

37509

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  
22 Trewin Street  
Wendouree VIC 3355

**Test Number :** 19-003910  
**Issue Date :** 06/09/2019  
**Print Date :** 10/09/2019  
**Order Number :** 3455941

**Sample Description** Clients Ref : "Easycraft Decorative Panel - MR EO MDF"  
Rigid Panel  
Colour : Natural  
Nominal Composition : Softwood fibres bonded with resin  
Nominal Mass per Unit Area/Density : 760kg/m3  
Nominal Thickness : 9mm

### AS/NZS 3837-1998

Method of Test for Heat and Smoke Release Rates for Materials and Products using an Oxygen Consumption Calorimeter

Date Tested 06/09/2019  
Operator AWTA Test Operator 3  
Face Tested Face

	Specimen			Mean	
	1	2	3		
Average Heat Release Rate	48.4	56.0	51.6	52.0	kW/m <sup>2</sup>
Average Specific extinction area	44.7	35.4	45.1	41.7	m <sup>2</sup> /kg

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

Test orientation : Horizontal

	Specimen			Mean	
	1	2	3		
Irradiance	50	50	50	50	kW/m <sup>2</sup>
Exhaust flow rate	0.024	0.024	0.024	0.024	m <sup>3</sup> /s
Time to sustained flaming	35	32	40	36	sec
Test duration	2620	2710	2670	2667	sec
Peak heat release after ignition	318.7	329.4	334.0	327.4	kW/m <sup>2</sup>
Average heat at 60 s	162.6	169.8	170.8	167.7	kW/m <sup>2</sup>
Average heat at 180 s	142.5	157.0	154.0	151.1	kW/m <sup>2</sup>
Average heat at 300 s	149.5	162.2	161.4	157.7	kW/m <sup>2</sup>

109364

37509

Page 1 of 8

© Australian Wool testing Authority Ltd  
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing  
- 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.

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  
22 Trewin Street  
Wendouree VIC 3355

**Test Number :** 19-003910  
**Issue Date :** 06/09/2019  
**Print Date :** 10/09/2019  
**Order Number :** 3455941

Total heat released	125.0	149.9	135.7	136.9	MJ/m <sup>2</sup>
Average effective heat of combustion	15.2	17.9	16.3	16.5	MJ/kg
Initial thickness	9	9	9	9.0	mm
Initial mass	69.6	71.4	70.8	70.6	g
Mass at sustained flaming	69.2	70.4	70.1	69.9	g
Mass remaining	3.0	3.6	3.4	3.3	g
Mass percentage pyrolysed	95.8	94.9	95.2	95.3	%
Mass loss	8.2	8.4	8.3	8.3	kg/m <sup>2</sup>
Average rate of mass loss		3.2	3.1	3.2	
Additional Observations	none				
Difficulties Encountered during Testing	none				

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.

The results of these fire tests 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 the fire hazard under all 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.

109364

37509

Page 2 of 8

© Australian Wool testing Authority Ltd  
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing

- 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.



APPROVED SIGNATORY

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

0204/11/06

# 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

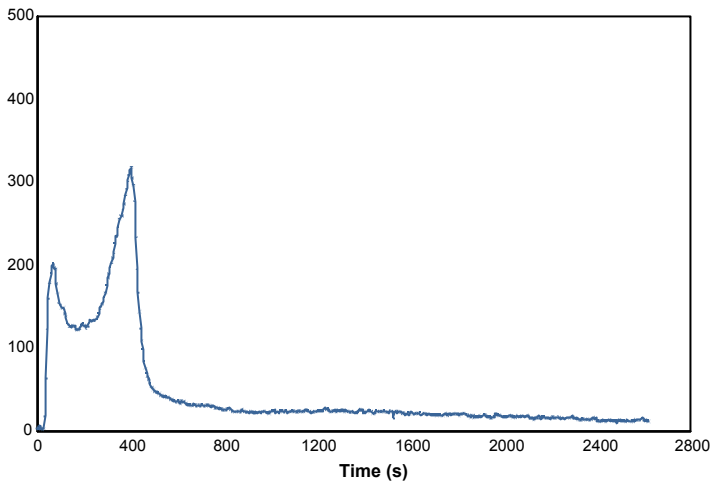
## TEST REPORT

**Client :** The Laminex Group  
22 Trewin Street  
Wendouree VIC 3355

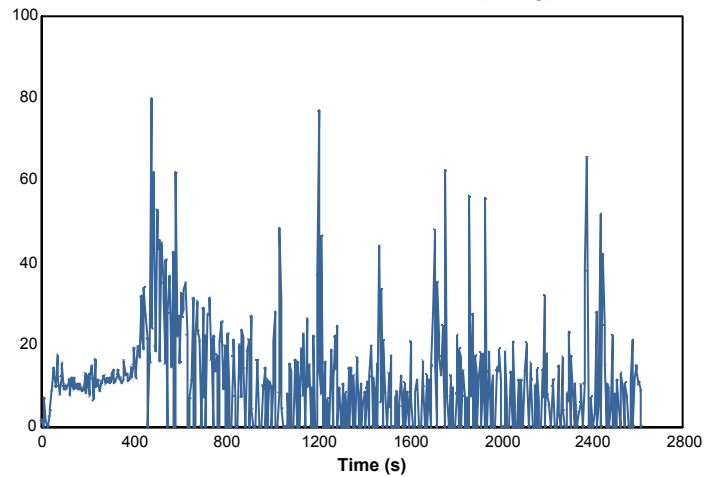
**Test Number :** 19-003910  
**Issue Date :** 06/09/2019  
**Print Date :** 10/09/2019  
**Order Number :** 3455941

**Specimen :** 1

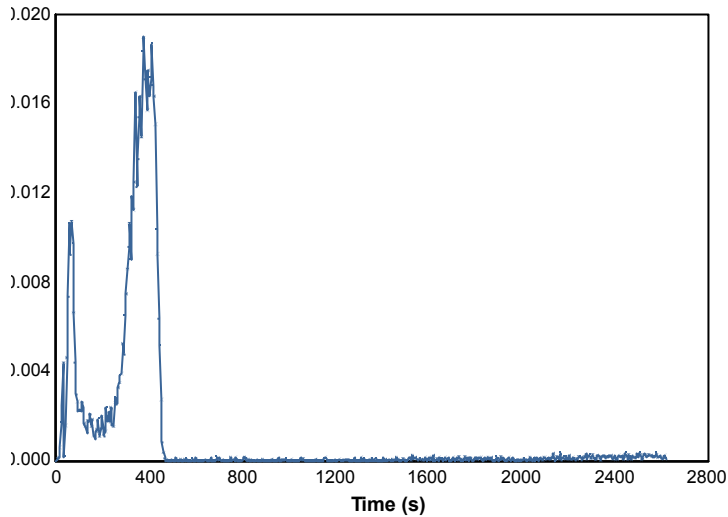
Heat release rate (kW/m<sup>2</sup>)



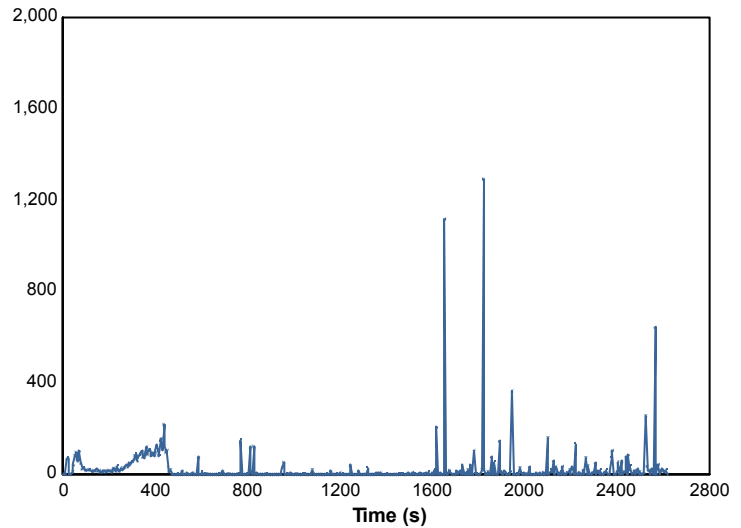
Effective heat of combustion (MJ/kg)



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



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



109364

37509

Page 3 of 8

© Australian Wool testing Authority Ltd  
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing

- 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.

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

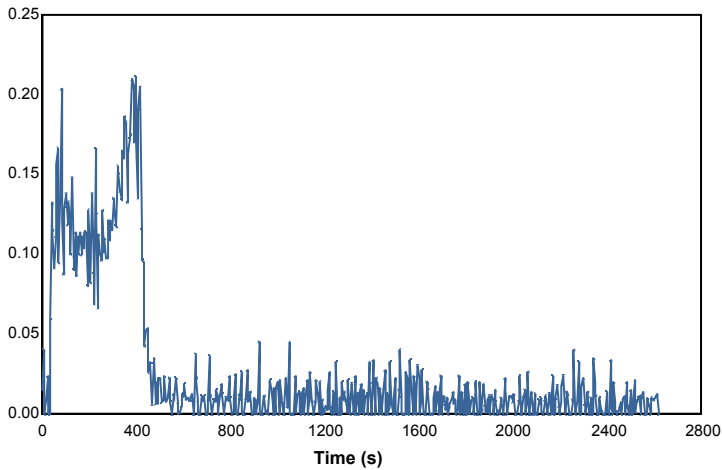
Phone (03) 9371 2400 Fax (03) 9371 2499

## TEST REPORT

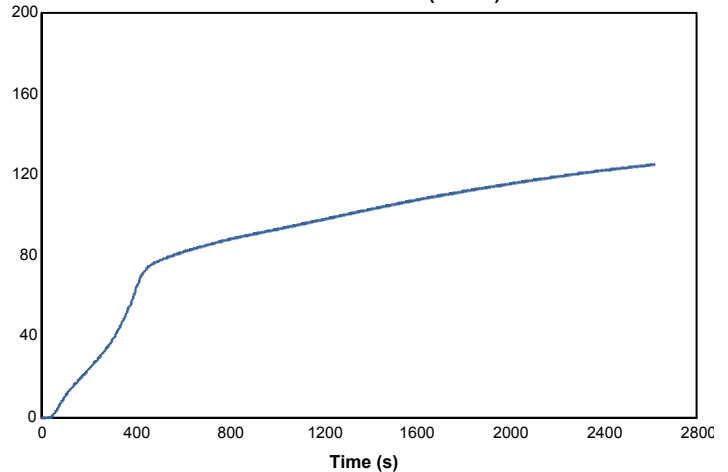
**Client :** The Laminex Group  
22 Trewin Street  
Wendouree VIC 3355

**Test Number :** 19-003910  
**Issue Date :** 06/09/2019  
**Print Date :** 10/09/2019  
**Order Number :** 3455941

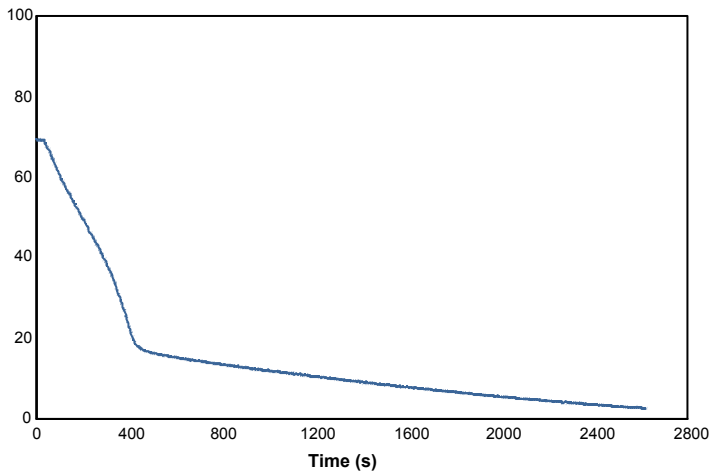
Mass loss rate (g/s)



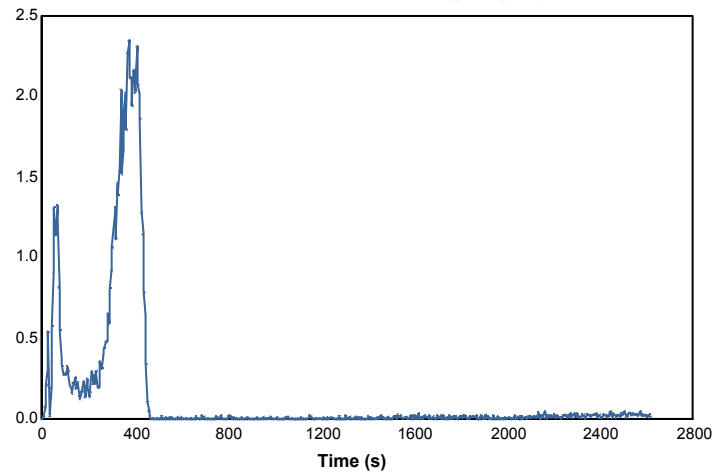
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s)/m²)



109364

37509

Page 4 of 8

© Australian Wool testing Authority Ltd  
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing

- 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.

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

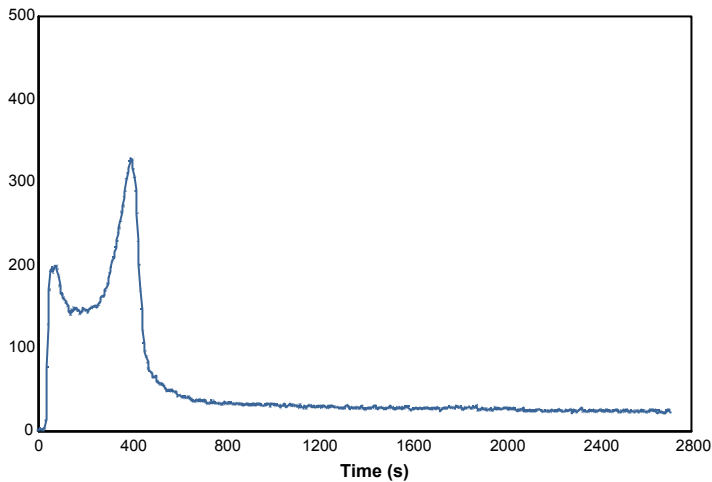
## TEST REPORT

**Client :** The Laminex Group  
22 Trewin Street  
Wendouree VIC 3355

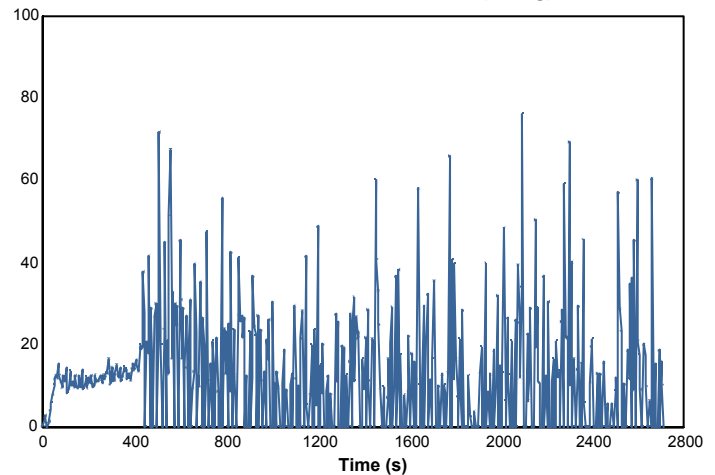
**Test Number :** 19-003910  
**Issue Date :** 06/09/2019  
**Print Date :** 10/09/2019  
**Order Number :** 3455941

**Specimen :** 2

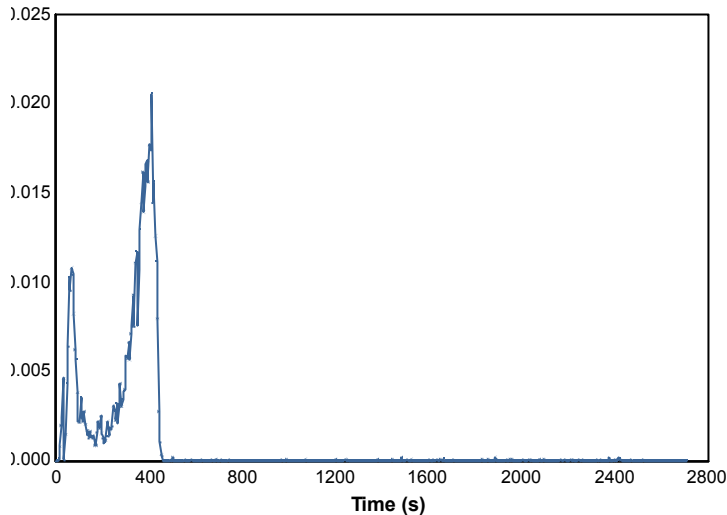
**Heat release rate (kW/m<sup>2</sup>)**



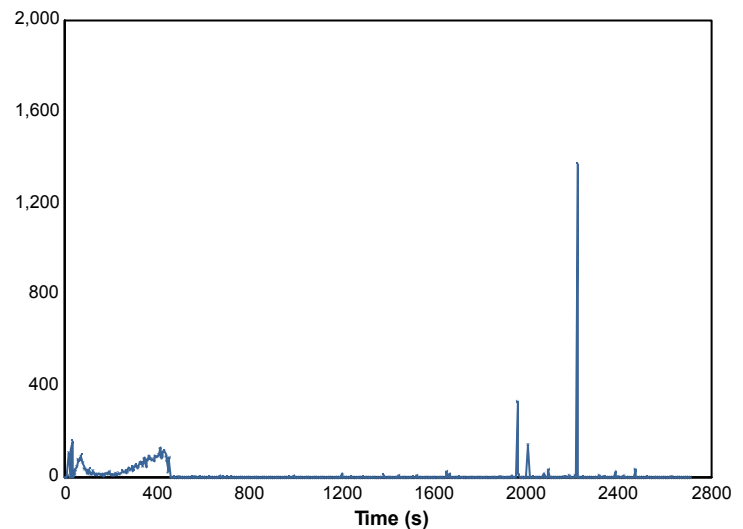
**Effective heat of combustion (MJ/kg)**



**Smoke production rate ([m<sup>2</sup>/s])**



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



109364

37509

Page 5 of 8

© Australian Wool testing Authority Ltd  
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing

- 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.

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

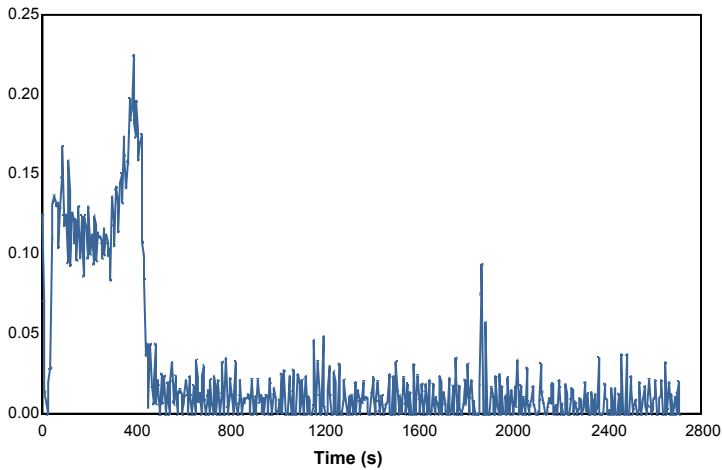
Phone (03) 9371 2400 Fax (03) 9371 2499

## TEST REPORT

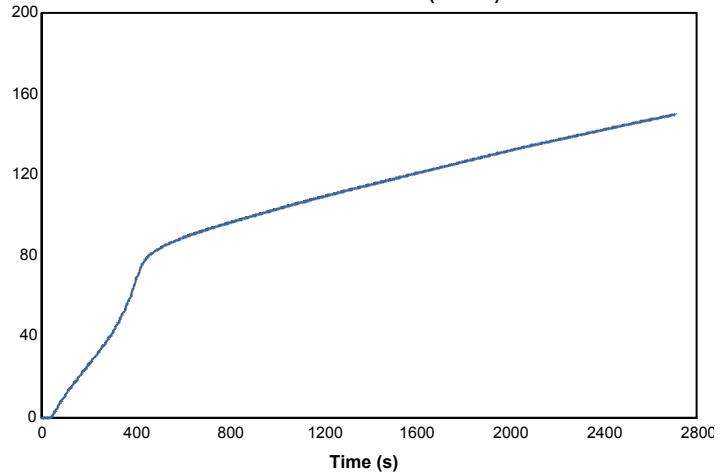
**Client :** The Laminex Group  
22 Trewin Street  
Wendouree VIC 3355

**Test Number :** 19-003910  
**Issue Date :** 06/09/2019  
**Print Date :** 10/09/2019  
**Order Number :** 3455941

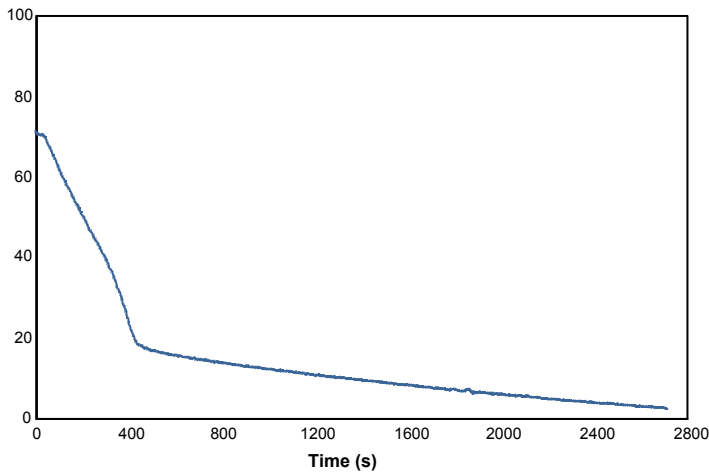
Mass loss rate (g/s)



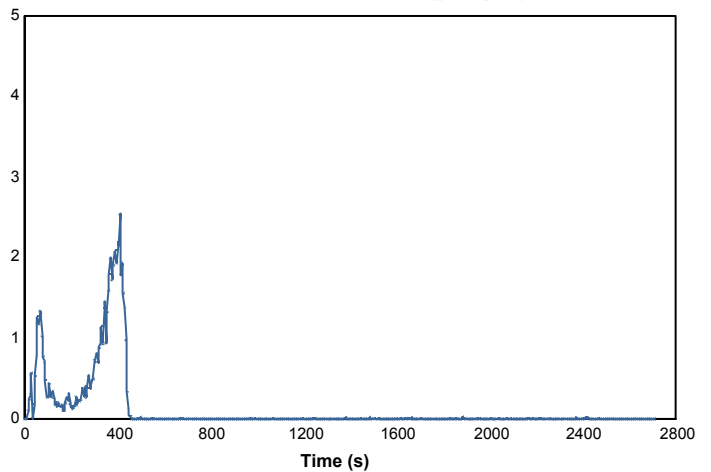
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s]/m²)



109364

37509

Page 6 of 8

© Australian Wool testing Authority Ltd  
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing

- 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.

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

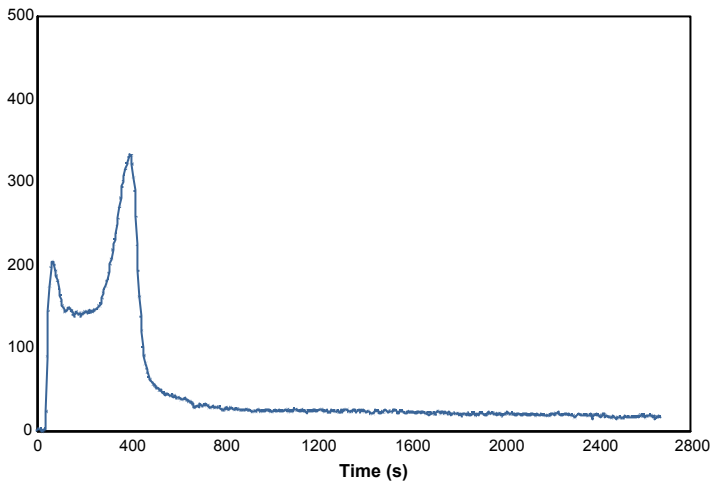
## TEST REPORT

**Client :** The Laminex Group  
22 Trewin Street  
Wendouree VIC 3355

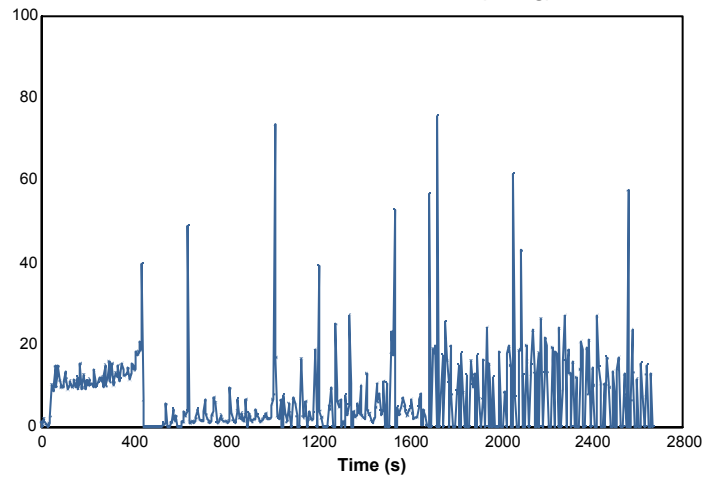
**Test Number :** 19-003910  
**Issue Date :** 06/09/2019  
**Print Date :** 10/09/2019  
**Order Number :** 3455941

**Specimen :** 3

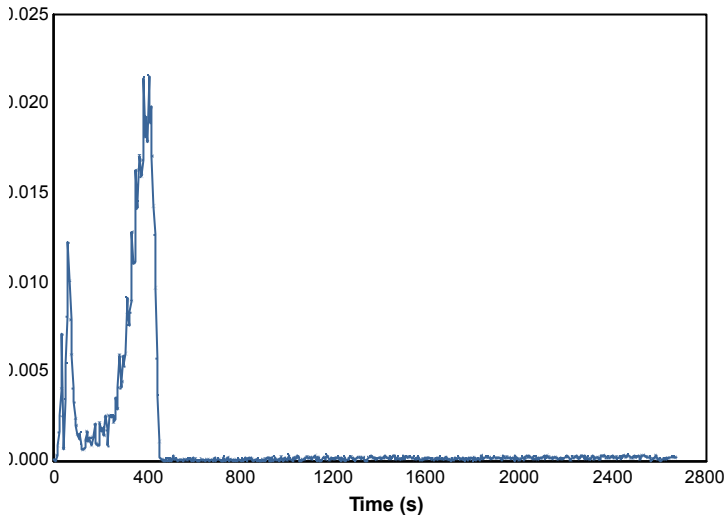
Heat release rate (kW/m<sup>2</sup>)



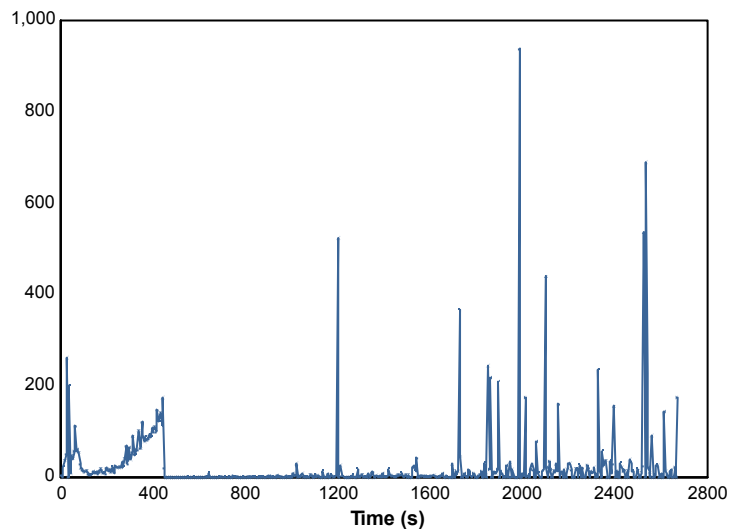
Effective heat of combustion (MJ/kg)



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



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



109364

37509

Page 7 of 8

© Australian Wool testing Authority Ltd  
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing

- 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.

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

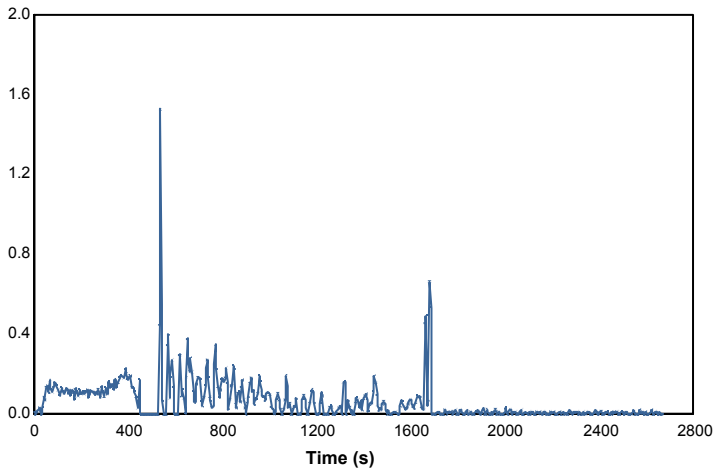
Phone (03) 9371 2400 Fax (03) 9371 2499

## TEST REPORT

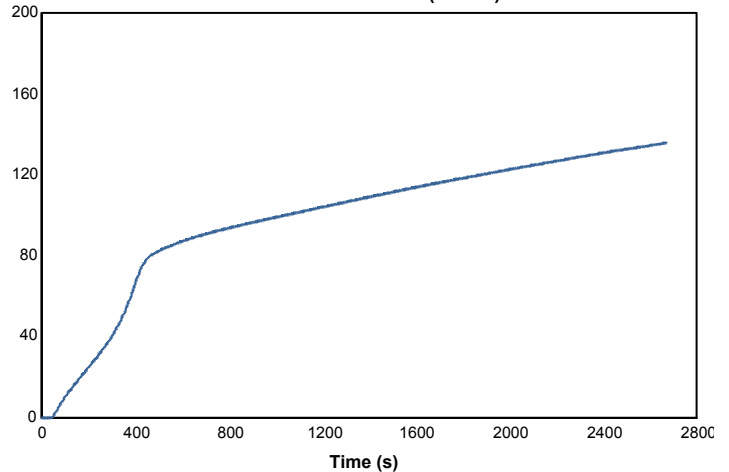
**Client :** The Laminex Group  
22 Trewin Street  
Wendouree VIC 3355

**Test Number :** 19-003910  
**Issue Date :** 06/09/2019  
**Print Date :** 10/09/2019  
**Order Number :** 3455941

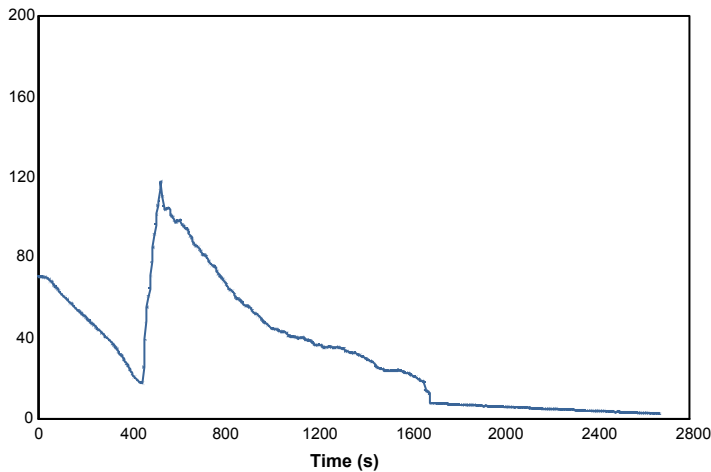
Mass loss rate (g/s)



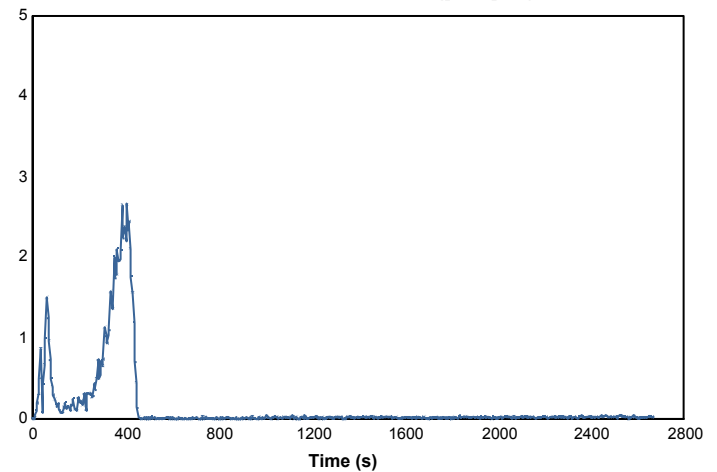
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s)/m²)



109364

37509

Page 8 of 8

© Australian Wool testing Authority Ltd  
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing

- 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.



APPROVED SIGNATORY

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