

# 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

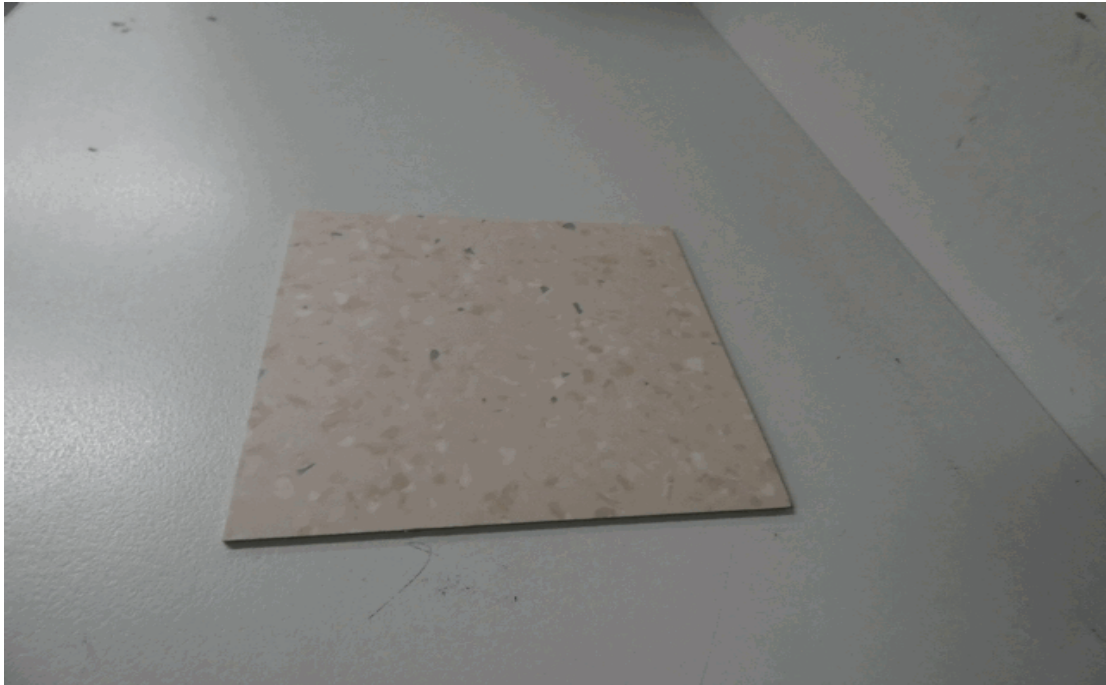
## TEST REPORT

**Client :** Gerflor Australasia Pty Ltd  
17 Cato Street  
Hawthorn East VIC 3123

**Test Number :** 24-001387  
**Issue Date :** 15/05/2024  
**Print Date :** 3/06/2024

### Sample Description

Clients Ref : "Ambiance Ultra"  
Sheet Vinyl  
End Use : Wall Covering  
Nominal Composition : Homogenous PVC  
Nominal Mass per Unit Area/Density : 2950g/m2  
Nominal Thickness : 2mm



205501

70239

Page 1 of 9

© Australian Wool Testing Authority Ltd  
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing  
Accreditation Numbers: 983, 985, and 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.

Chris Campbell  
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

## TEST REPORT

**Client :** Gerflor Australasia Pty Ltd  
17 Cato Street  
Hawthorn East VIC 3123

**Test Number :** 24-001387  
**Issue Date :** 15/05/2024  
**Print Date :** 3/06/2024

### AS/NZS 3837-1998

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

Date Tested 15-05-2024  
Operator AWTA Test Operator 21  
Face Tested Face

	Specimen				
	1	2	3	Mean	
Average Heat Release Rate	78.3	66.6	82.2	75.7	kW/m <sup>2</sup>
Average Specific extinction area	360.7	332.1	401.1	364.6	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	0.024	0.024	0.024	0.024	m <sup>3</sup> /s
Time to sustained flaming	30	28	33	30	sec
Test duration	509	574	433	505	sec
Peak heat release after ignition	148.9	146.9	149.0	148.3	kW/m <sup>2</sup>
Average heat at 60 s	91.9	91.1	99.0	94.0	kW/m <sup>2</sup>
Average heat at 180 s	122.4	117.6	124.2	121.4	kW/m <sup>2</sup>
Average heat at 300 s	107.2	102.7	103.4	104.4	kW/m <sup>2</sup>
Total heat released	37.4	36.2	32.8	35.5	MJ/m <sup>2</sup>
Average effective heat of combustion	10.9	9.8	10.6	10.4	MJ/kg
Initial thickness	12	12	12	12.0	mm
Initial mass	92.8	94	93	93.3	g
Mass remaining	65.0	63.9	67.8	65.6	g
Mass percentage pyrolysed	29.9	32.1	27.1	29.7	%

205501

70239

Page 2 of 9

© Australian Wool Testing Authority Ltd  
Copyright - All Rights Reserved

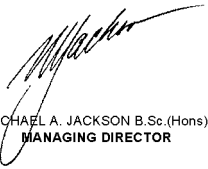


Accredited for compliance with ISO/IEC 17025 - Testing  
Accreditation Numbers: 983, 985, and 1356



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.

  
Chris Campbell  
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

## TEST REPORT

**Client :** Gerflor Australasia Pty Ltd  
17 Cato Street  
Hawthorn East VIC 3123

**Test Number :** 24-001387  
**Issue Date :** 15/05/2024  
**Print Date :** 3/06/2024

Mass loss	3.4	3.7	3.1	3.4	kg/m <sup>2</sup>
Average rate of mass loss	7.2	6.8	7.8	7.3	g/m <sup>2</sup> .s
Additional Observations	Nil				
Difficulties Encountered during Testing	Nil				

Samples were adhered to a substrate of 10mm thick plasterboard using Roberts 656 wallcovering adhesive prior to testing.

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

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.

205501

70239

Page 3 of 9

© Australian Wool Testing Authority Ltd  
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing  
Accreditation Numbers: 983, 985, and 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.

Chris Campbell  
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

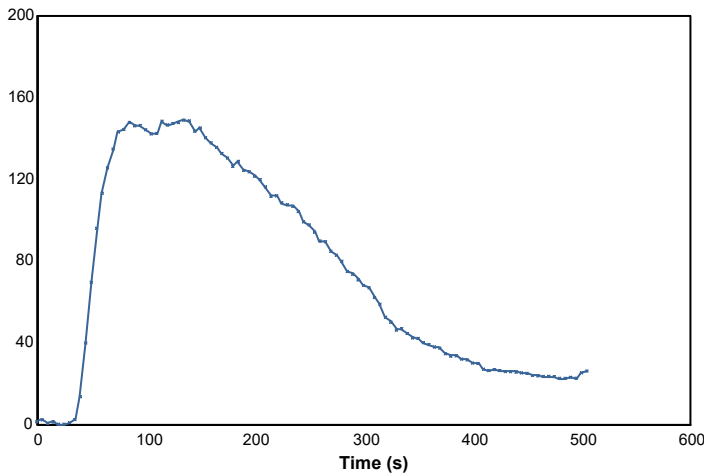
## TEST REPORT

**Client :** Gerflor Australasia Pty Ltd  
17 Cato Street  
Hawthorn East VIC 3123

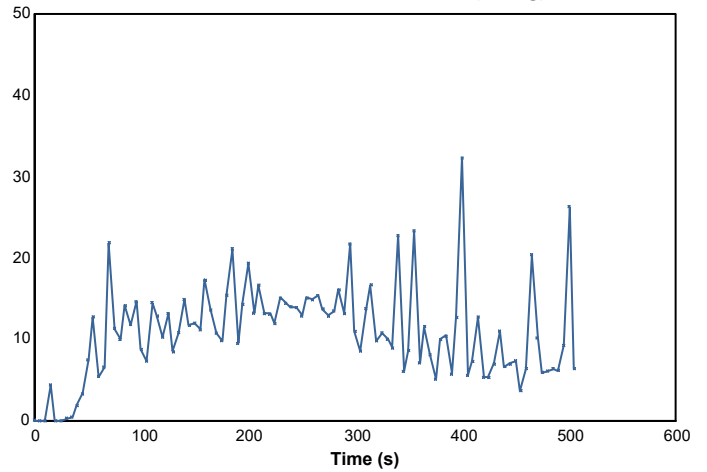
**Test Number :** 24-001387  
**Issue Date :** 15/05/2024  
**Print Date :** 3/06/2024

**Specimen :** 1

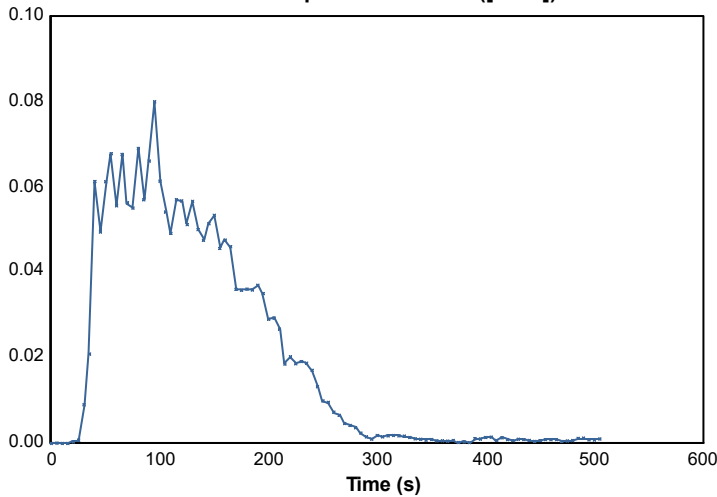
**Heat release rate (kW/m<sup>2</sup>)**



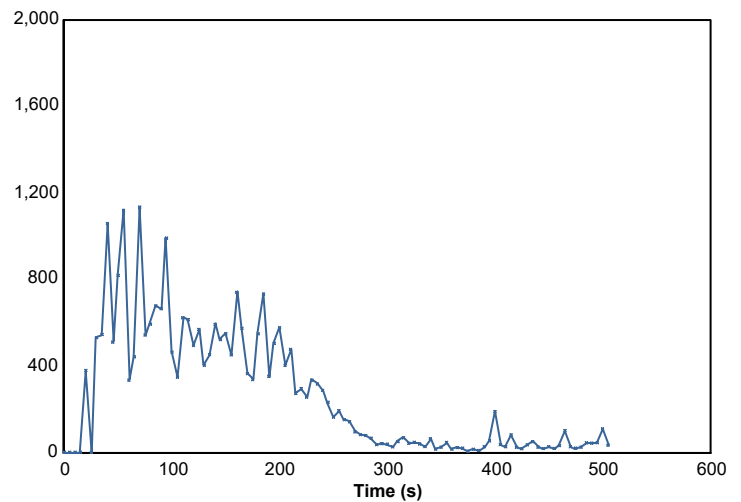
**Effective heat of combustion (MJ/kg)**



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



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



205501

70239

Page 4 of 9

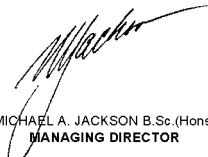
© Australian Wool Testing Authority Ltd  
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing  
Accreditation Numbers: 983, 985, and 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.

  
Chris Campbell  
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

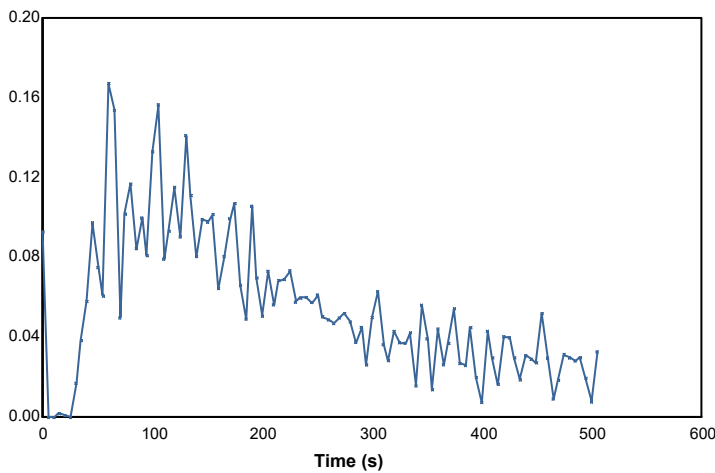
Phone (03) 9371 2400

## TEST REPORT

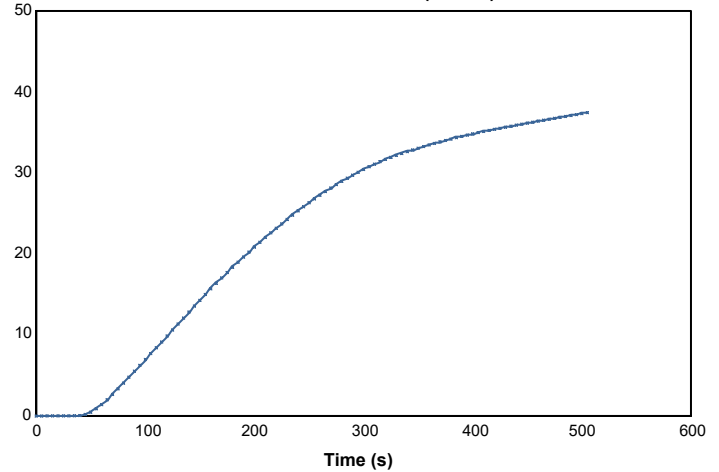
**Client :** Gerflor Australasia Pty Ltd  
17 Cato Street  
Hawthorn East VIC 3123

**Test Number :** 24-001387  
**Issue Date :** 15/05/2024  
**Print Date :** 3/06/2024

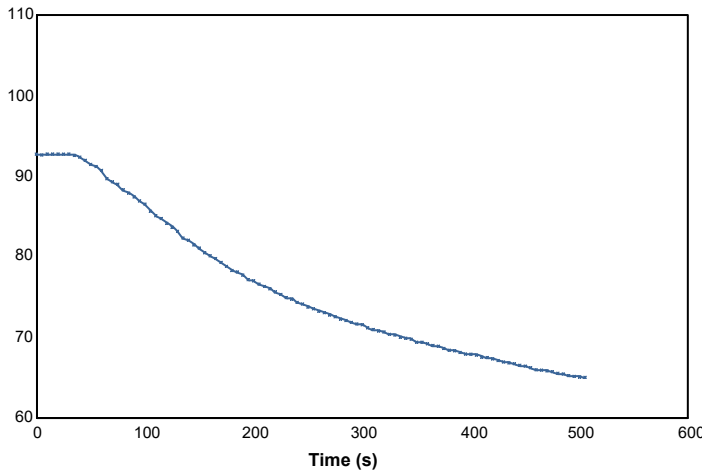
**Mass loss rate (g/s)**



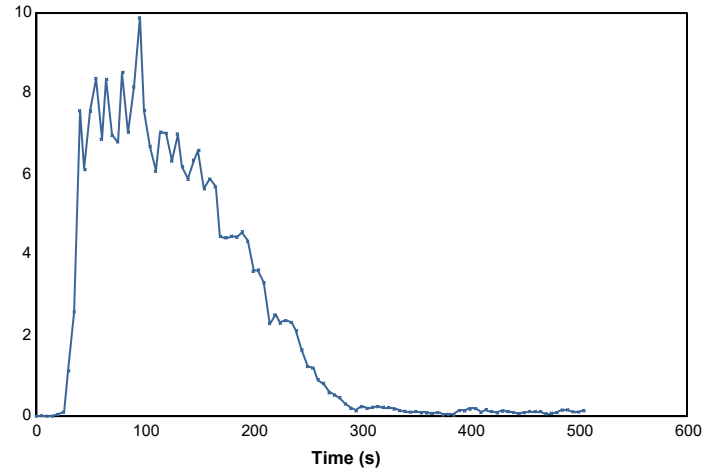
**Total heat released (MJ/m²)**



**Mass (g)**



**Rate of smoke release ([m²/s)/m²)**



205501

70239

Page 5 of 9

© Australian Wool Testing Authority Ltd  
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing  
Accreditation Numbers: 983, 985, and 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.

Chris Campbell

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

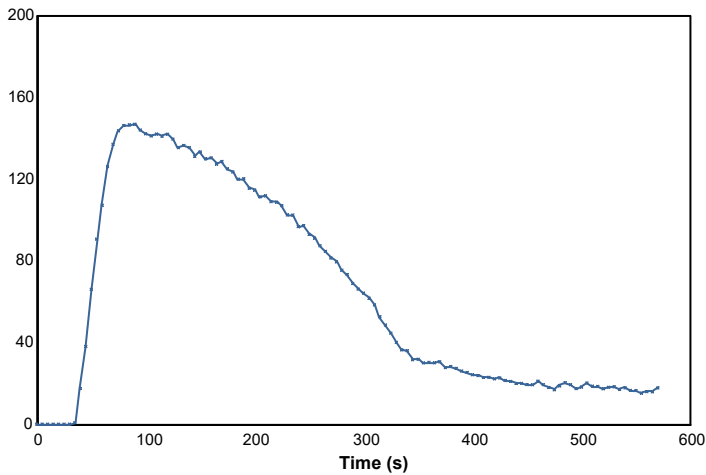
## TEST REPORT

**Client :** Gerflor Australasia Pty Ltd  
17 Cato Street  
Hawthorn East VIC 3123

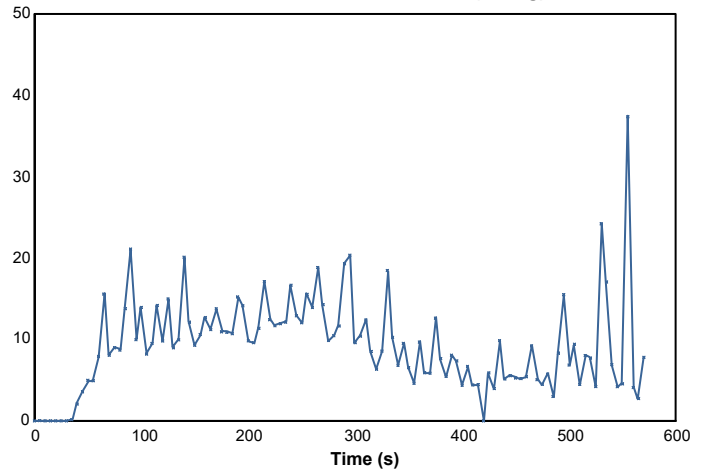
**Test Number :** 24-001387  
**Issue Date :** 15/05/2024  
**Print Date :** 3/06/2024

**Specimen :** 2

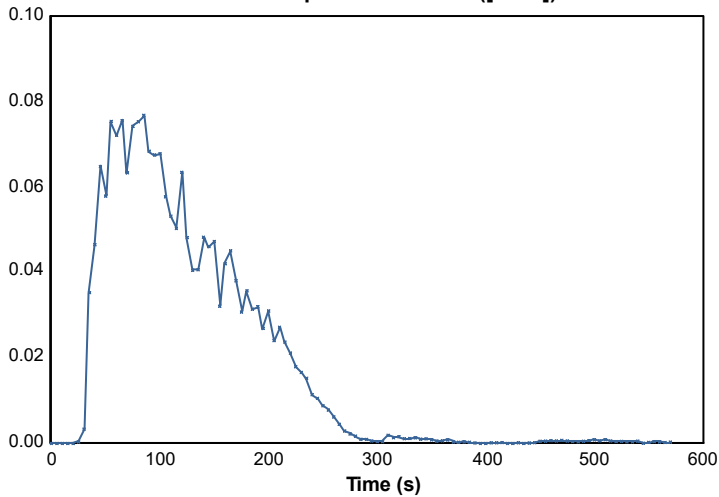
**Heat release rate (kW/m<sup>2</sup>)**



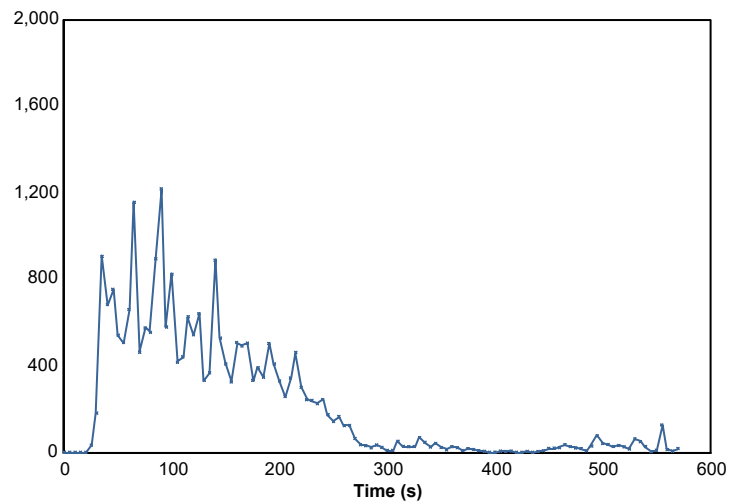
**Effective heat of combustion (MJ/kg)**



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



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



205501

70239

Page 6 of 9

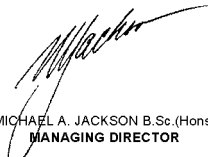
© Australian Wool Testing Authority Ltd  
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing  
Accreditation Numbers: 983, 985, and 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.

  
Chris Campbell  
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

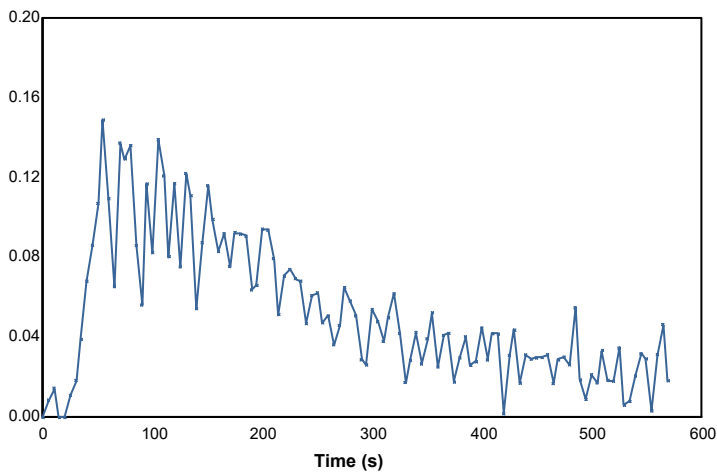
Phone (03) 9371 2400

## TEST REPORT

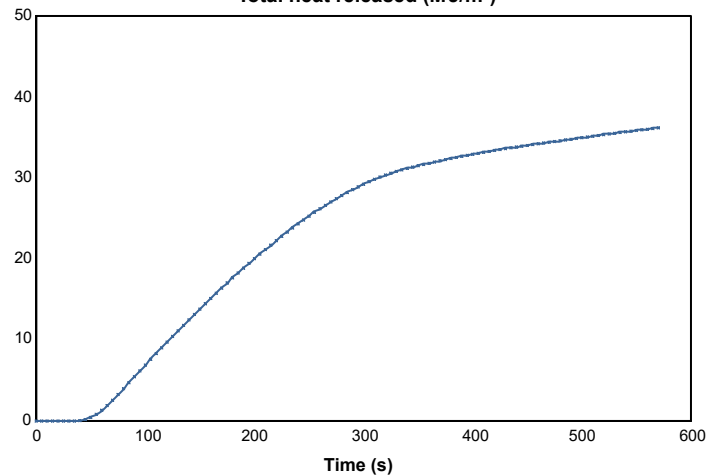
**Client :** Gerflor Australasia Pty Ltd  
17 Cato Street  
Hawthorn East VIC 3123

**Test Number :** 24-001387  
**Issue Date :** 15/05/2024  
**Print Date :** 3/06/2024

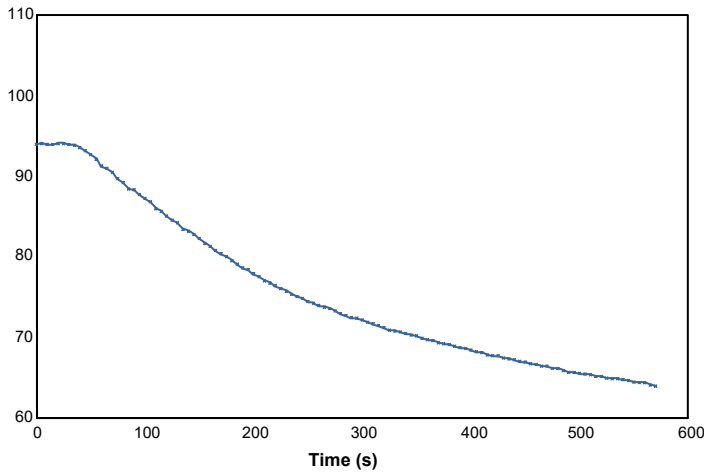
Mass loss rate (g/s)



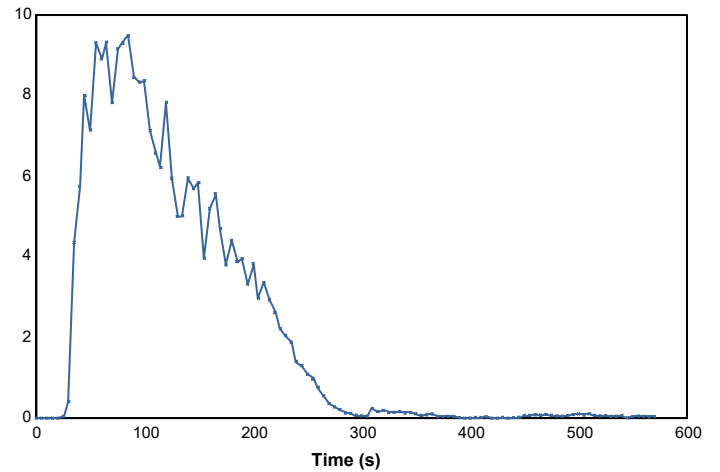
Total heat released (MJ/m<sup>2</sup>)



Mass (g)



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



205501

70239

Page 7 of 9

© Australian Wool Testing Authority Ltd  
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing  
Accreditation Numbers: 983, 985, and 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.

Chris Campbell

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

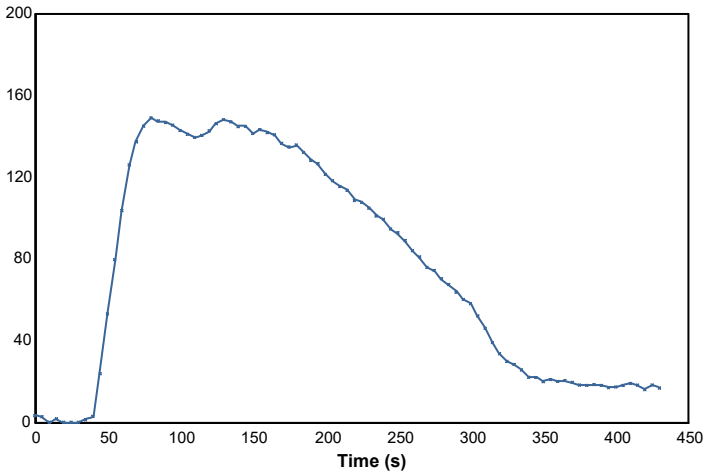
## TEST REPORT

**Client :** Gerflor Australasia Pty Ltd  
17 Cato Street  
Hawthorn East VIC 3123

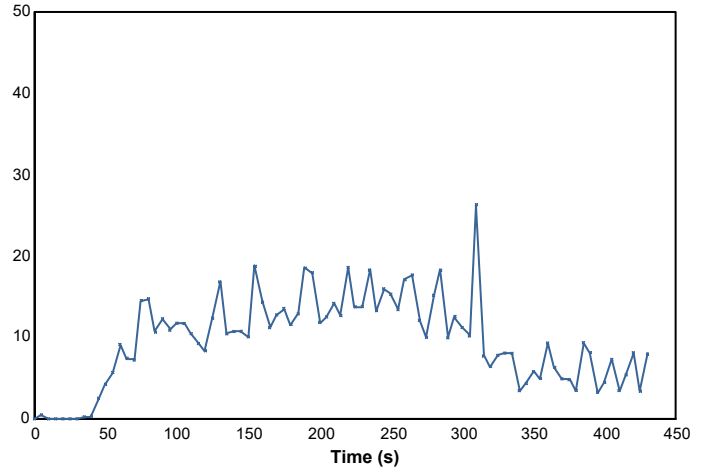
**Test Number :** 24-001387  
**Issue Date :** 15/05/2024  
**Print Date :** 3/06/2024

**Specimen :** 3

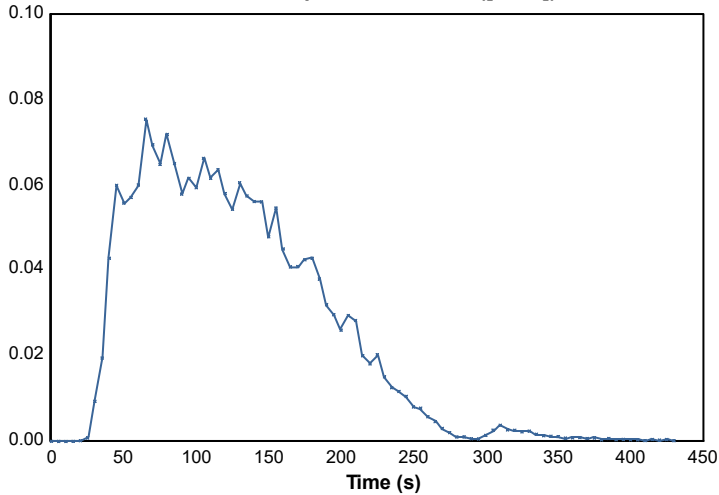
**Heat release rate (kW/m<sup>2</sup>)**



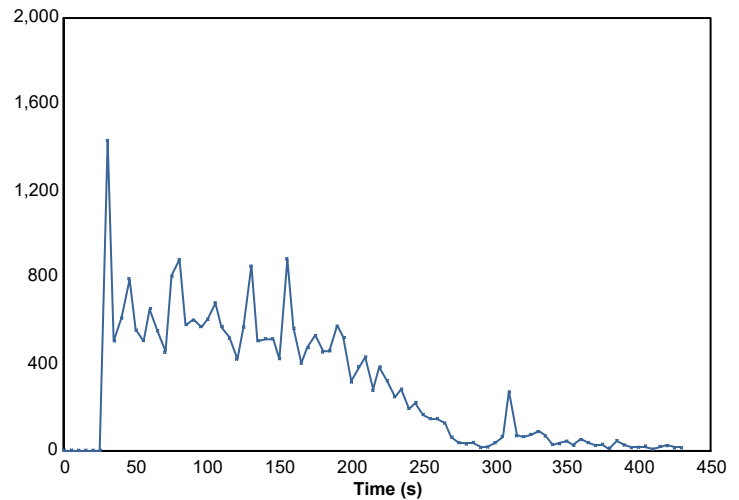
**Effective heat of combustion (MJ/kg)**



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



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



205501

70239

Page 8 of 9

© Australian Wool Testing Authority Ltd  
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing  
Accreditation Numbers: 983, 985, and 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.

Chris Campbell  
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

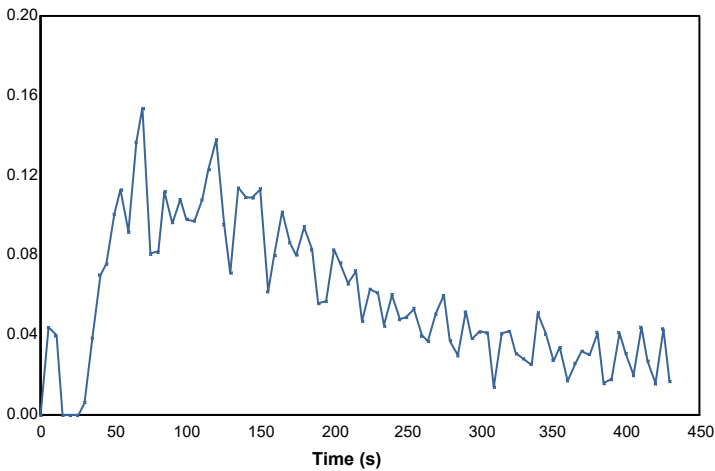
Phone (03) 9371 2400

## TEST REPORT

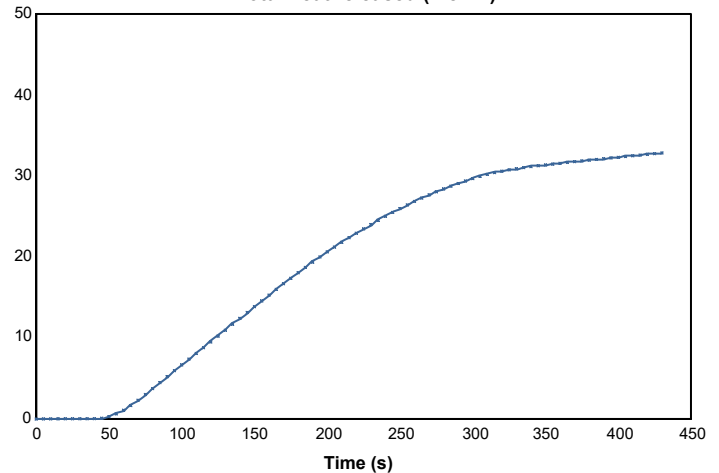
**Client :** Gerflor Australasia Pty Ltd  
17 Cato Street  
Hawthorn East VIC 3123

**Test Number :** 24-001387  
**Issue Date :** 15/05/2024  
**Print Date :** 3/06/2024

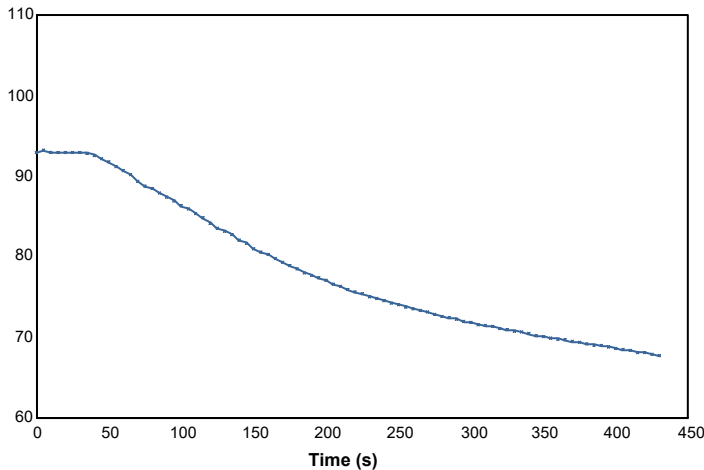
Mass loss rate (g/s)



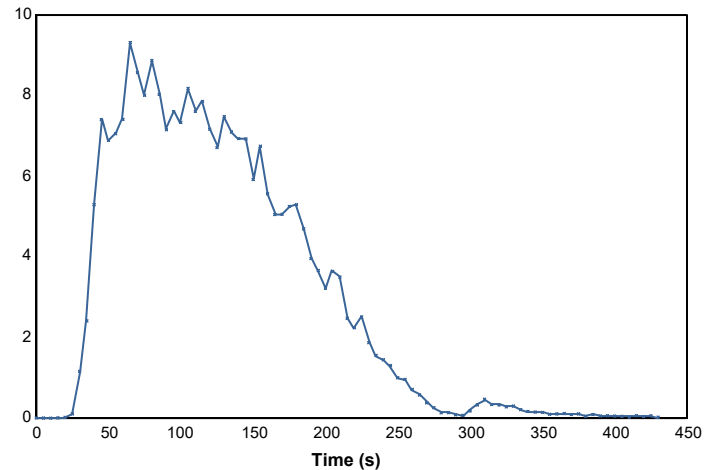
Total heat released (MJ/m<sup>2</sup>)



Mass (g)



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



205501

70239

Page 9 of 9

© Australian Wool Testing Authority Ltd  
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing  
Accreditation Numbers: 983, 985, and 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.

Chris Campbell  
APPROVED SIGNATORY



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