

AWTA PRODUCT TESTING

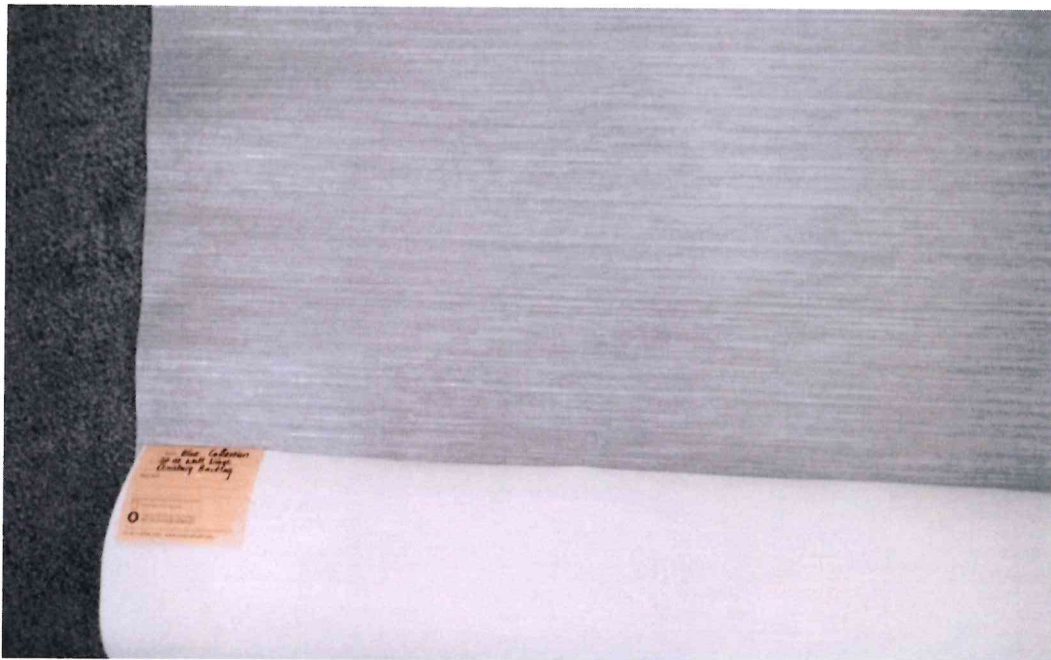
Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
A.B.N 43 006 014 106
1st Floor, 191 Racecourse Road, Flemington, Victoria 3031
P.O Box 240, North Melbourne, Victoria 3051
Phone (03) 9371 2400

TEST REPORT

Client : Materialised Pty Ltd
19 Heath Road
Blakehurst NSW 2221

Test Number : 26-001943
Issue Date : 11/06/2026
Print Date : 16/06/2026
Order Number : PO 004928

Sample Description Clients Ref : "Blue Collection -20oz Wall Vinyl - Osnaburg Backing"
Wall Covering Sample
Colour : Grey
End Use : Wall Covering
Nominal Composition : Vinyl with Osnaburg Backing
Nominal Mass per Unit Area/Density : 20ozyd2
Nominal Thickness : Approx. 1mm



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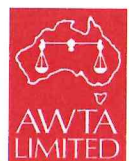
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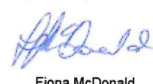
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Accreditation Numbers: 983, 985, and 1356



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

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

Date Tested 11-06-2026
Operator AWTA Test Operator 21
Face Tested Face

	Specimen				
	1	2	3	Mean	
Average Heat Release Rate	42.0	40.6	43.4	42.0	kW/m ²
Average Specific extinction area	131.2	122.2	137.9	130.4	m ² /kg

Test orientation : Horizontal

	Specimen				
	1	2	3	Mean	
Irradiance	50	50	50	50	kW/m ²
Exhaust flow rate	0.024	0.024	0.024	0.024	m ³ /s
Time to sustained flaming	12	14	17	14	sec
Test duration	211	238	217	222	sec
Peak heat release after ignition	114.9	112.0	123.2	116.7	kW/m ²
Average heat at 60 s	93.3	73.2	97.7	88.1	kW/m ²
Average heat at 180 s	45.0	47.1	46.6	46.2	kW/m ²
Average heat at 300 s	n/a	n/a	n/a	n/a	kW/m ²
Total heat released	8.4	9.1	8.7	8.7	MJ/m ²
Average effective heat of combustion	6.3	6.1	6.2	6.2	MJ/kg
Initial thickness	11	11	11	11.0	mm
Initial mass	67.2	69	69.4	68.5	g
Mass remaining	56.4	57.0	58.3	57.2	g
Mass percentage pyrolysed	16.0	17.4	16.0	16.5	%

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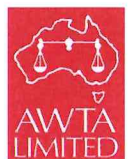


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Mass loss	1.3	1.5	1.4	1.4	kg/m ²
Average rate of mass loss	6.7	6.7	7.0	6.8	g/m ² .s
Additional Observations	Nil				
Difficulties Encountered during Testing	Nil				

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

Retainer grid was used to contain the test specimen 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.

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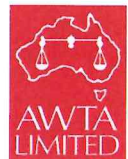
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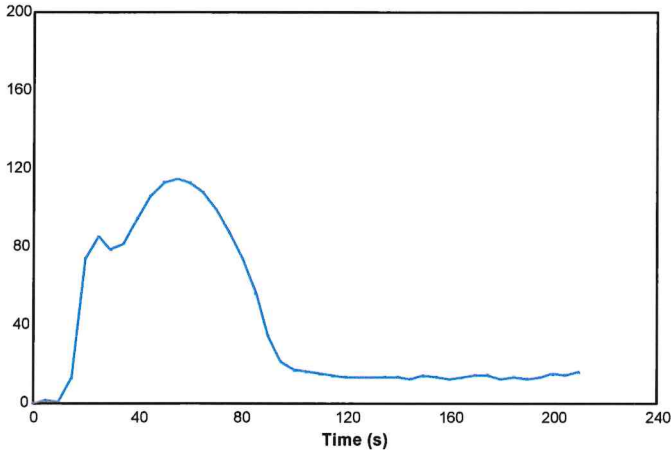
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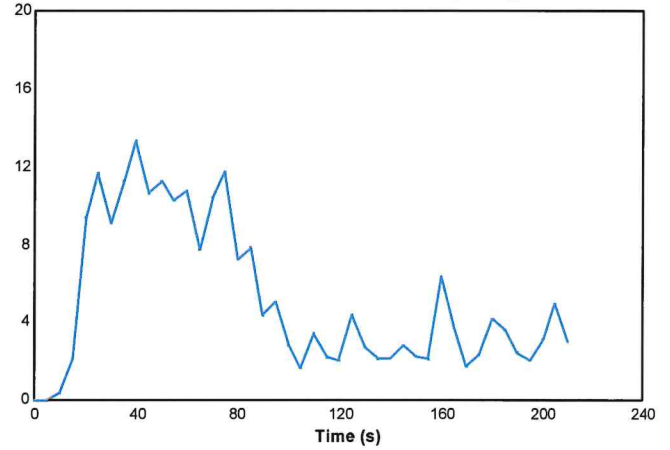
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Issue Date : 11/06/2026
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Order Number : PO 004928

Specimen : 1

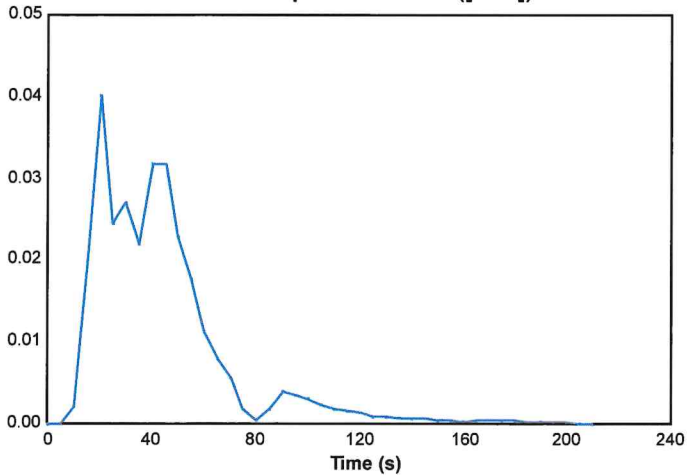
Heat release rate (kW/m²)



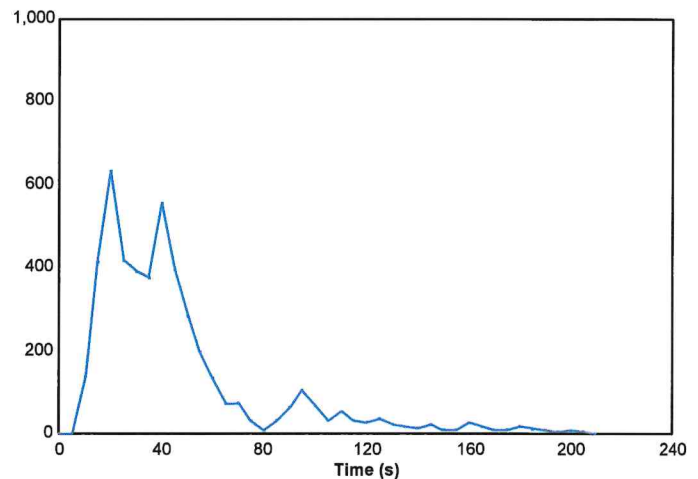
Effective heat of combustion (MJ/kg)



Smoke production rate (m²/s)



Specific extinction area (m²/kg)



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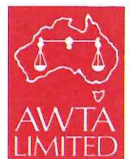


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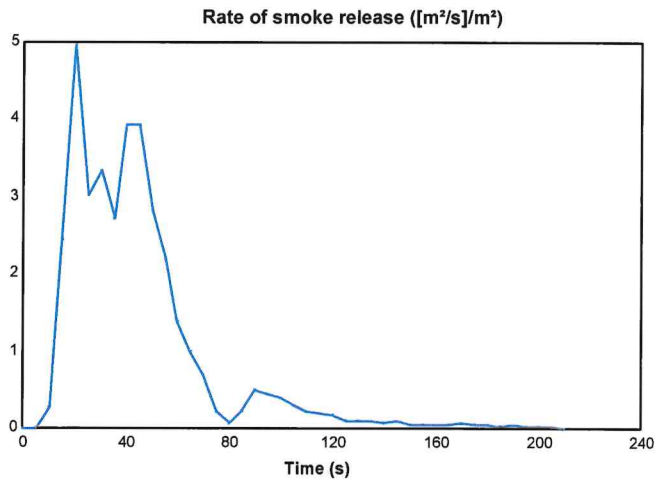
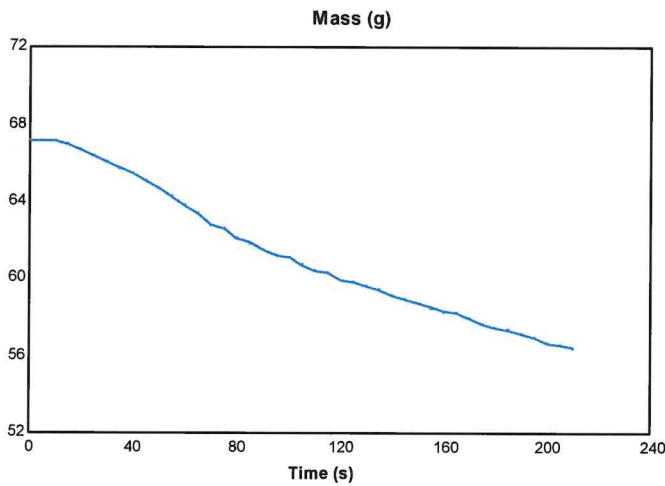
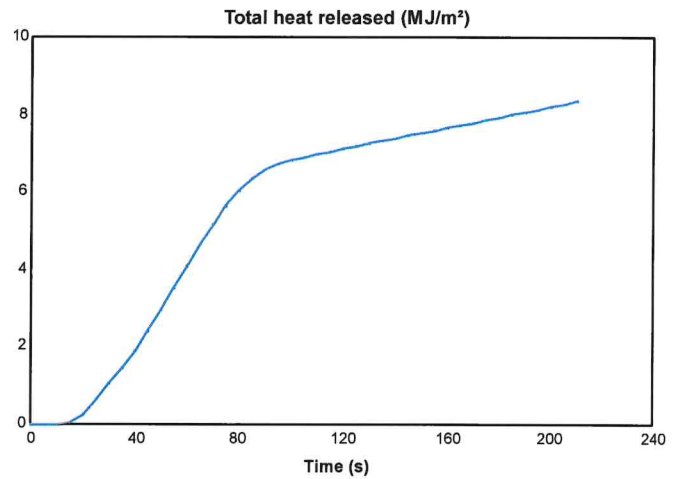
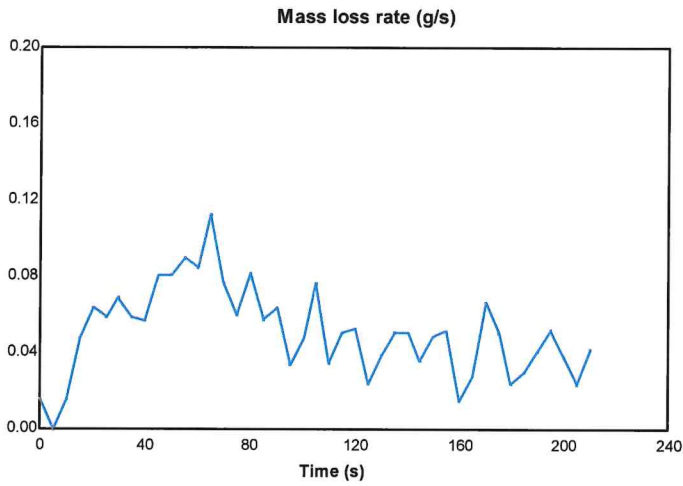
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Client : Materialised Pty Ltd
 19 Heath Road
 Blakehurst NSW 2221

Test Number : 26-001943
Issue Date : 11/06/2026
Print Date : 16/06/2026
Order Number : PO 004928



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Michael A. Jackson
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 MANAGING DIRECTOR

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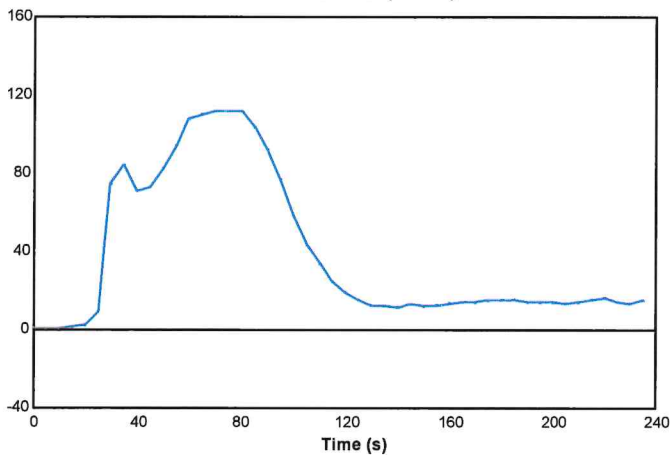
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Client : Materialised Pty Ltd
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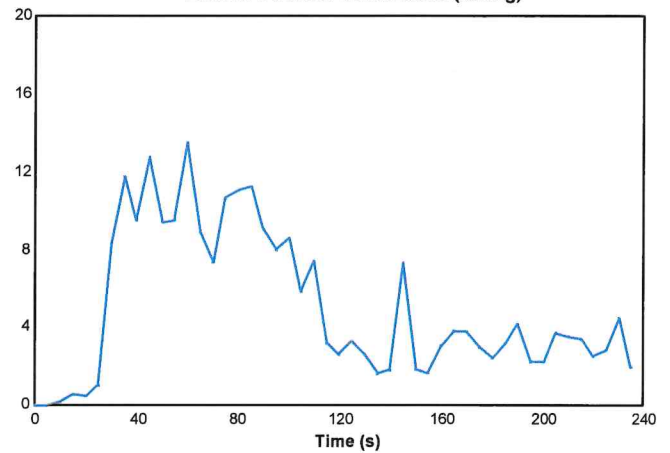
Test Number : 26-001943
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Specimen : 2

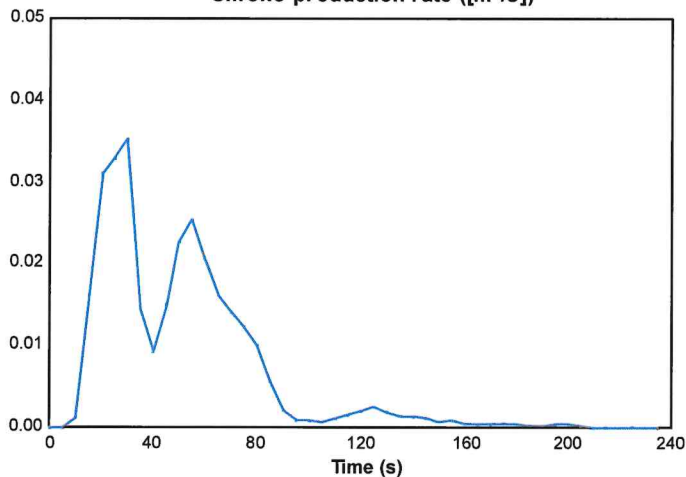
Heat release rate (kW/m²)



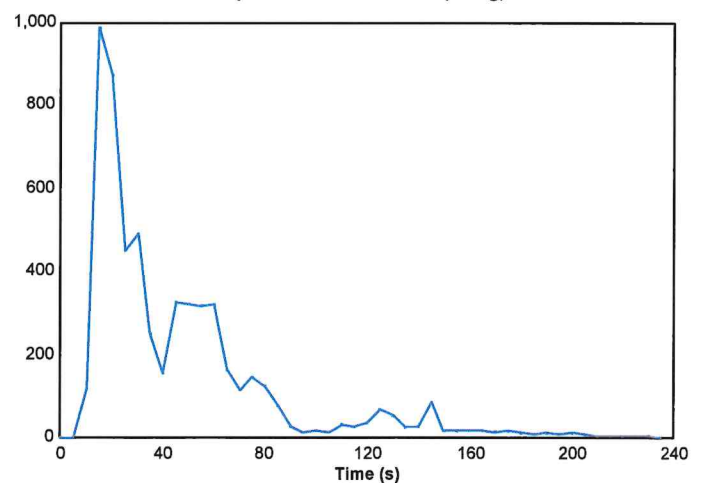
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



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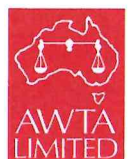


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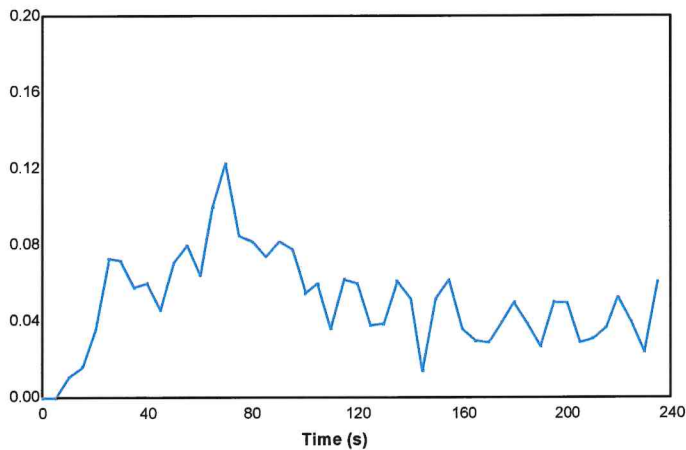
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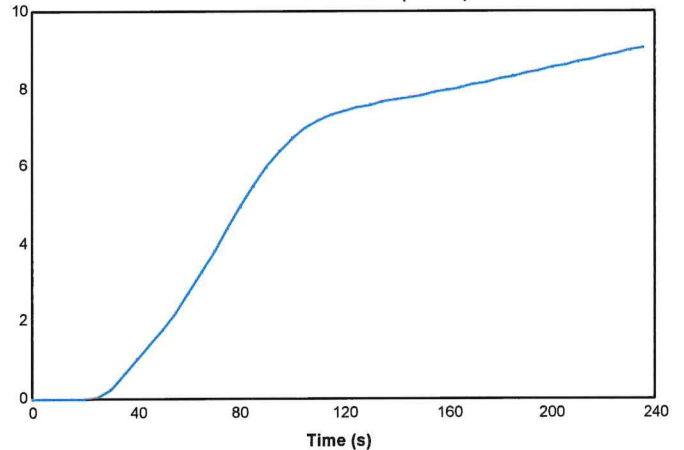
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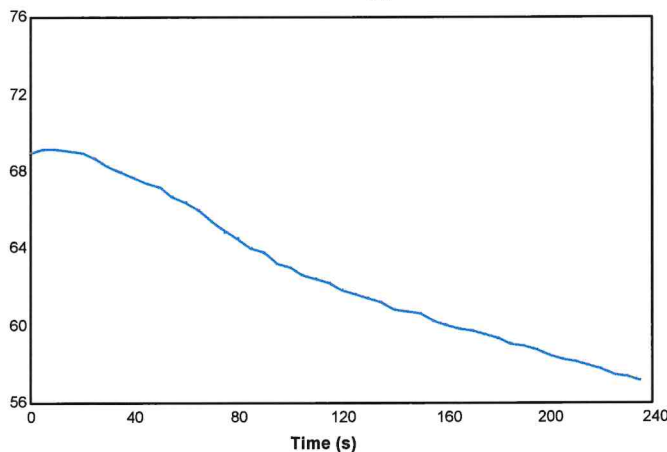
Mass loss rate (g/s)



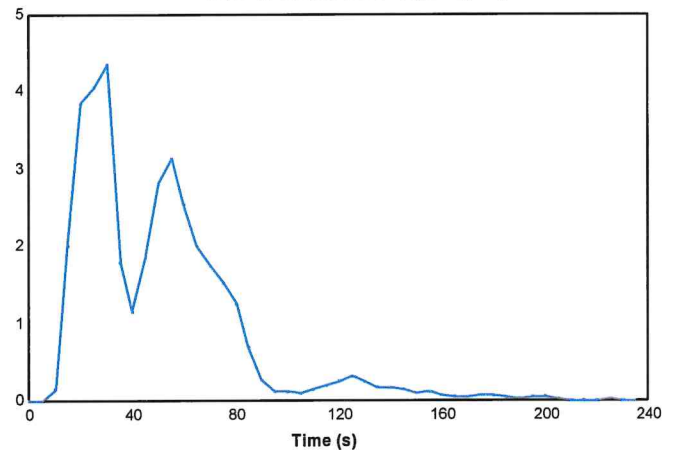
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s]/m²)



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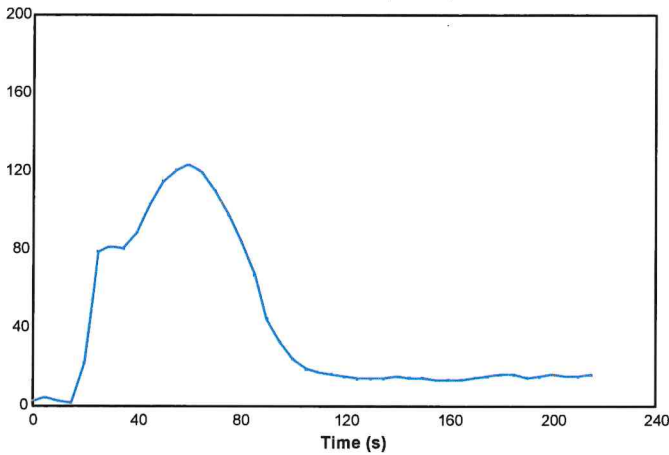
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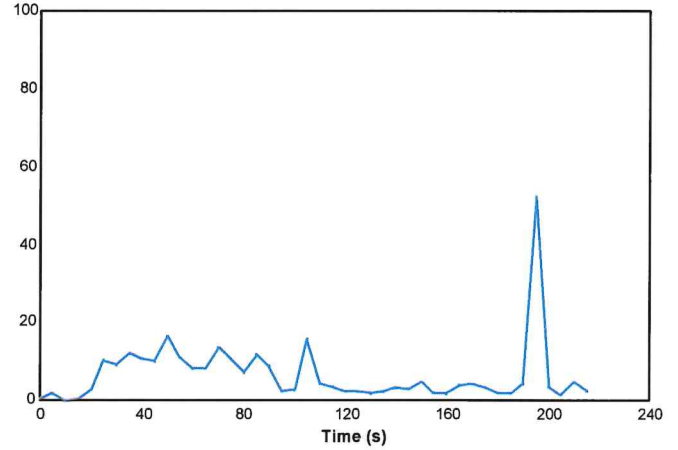
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Specimen : 3

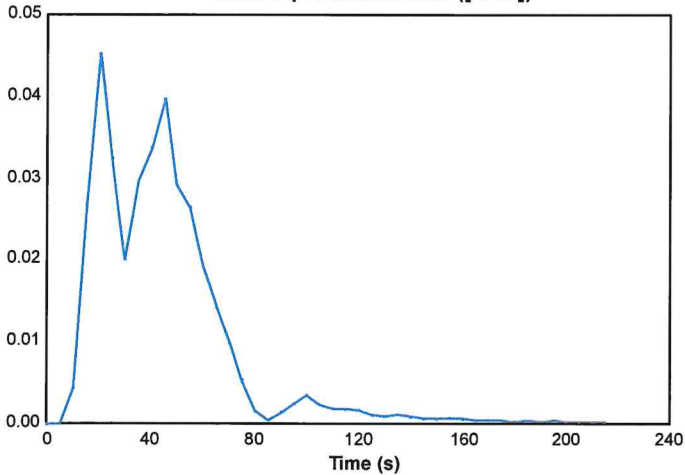
Heat release rate (kW/m²)



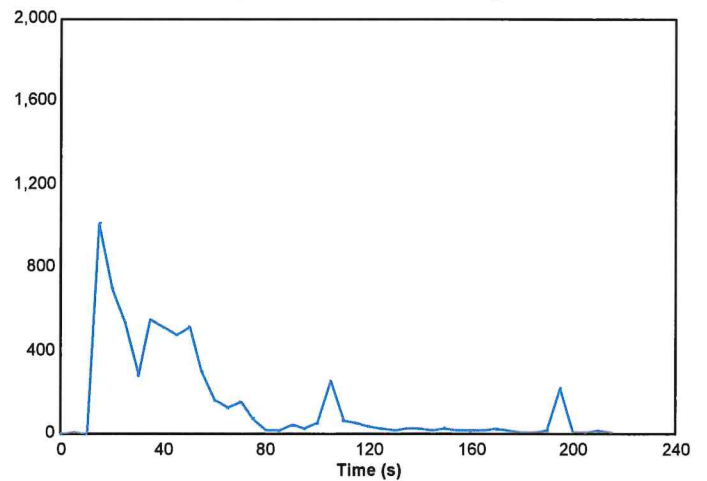
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



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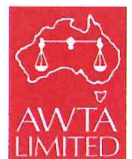
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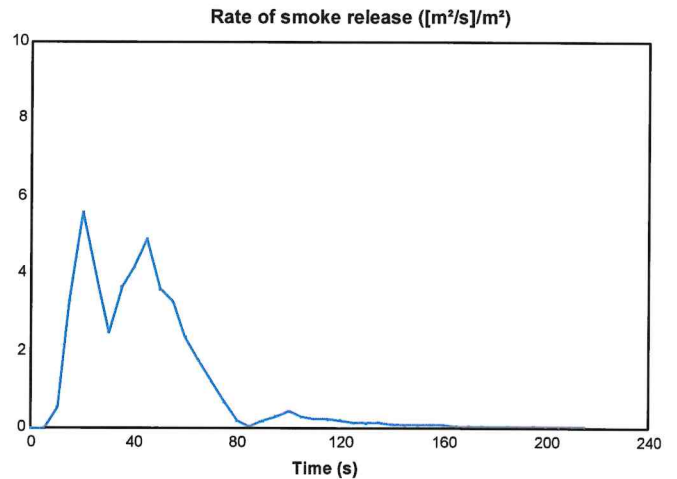
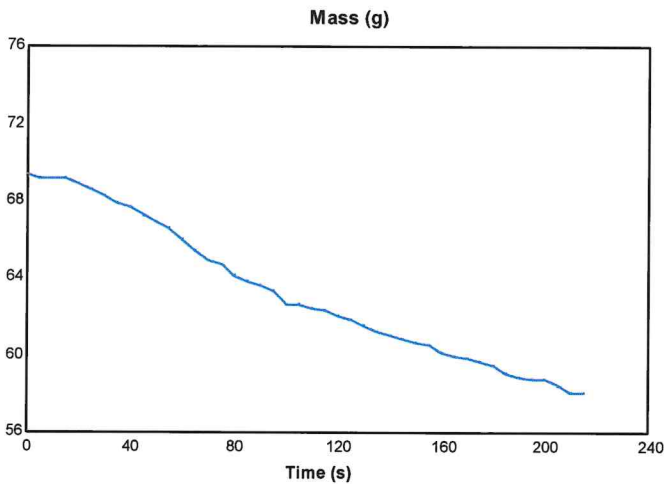
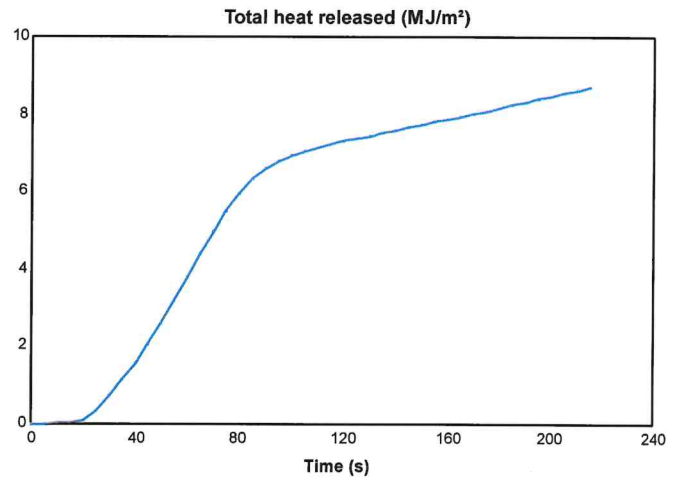
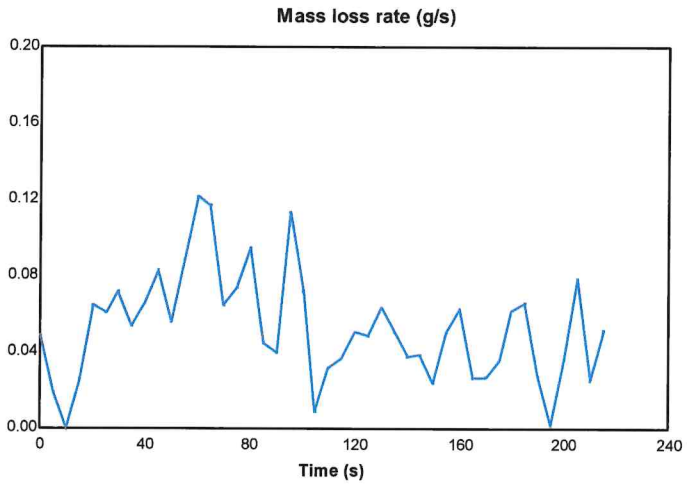
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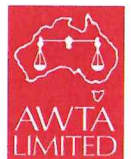
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Group Number Assessment

(In accordance with AS 5637.1-2015)

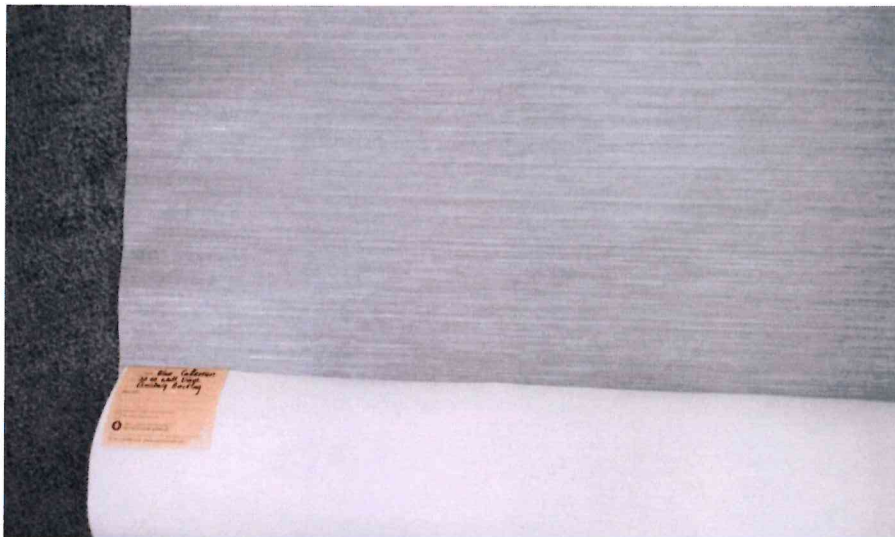
This is to confirm that the product as described below has been tested by AWTA Product Testing .

Testing was performed in accordance with Method of test for heat and smoke release rates for materials and products using an oxygen consumption calorimeter.

As per AS 5637.1 Clause 9(n) it was valid to test this particular material / system in the cone calorimeter for the assignment of a NCC Group Number.

Test Sponsor :	Materialised Pty Ltd 19 Heath Road Blakehurst NSW 2221	Test Number :	26-001943
		Issue Date :	12/06/2026
		Print Date :	16/06/2026

Sponsor Product :	Clients Ref : "Blue Collection -20oz Wall Vinyl - Osnaburg Backing"
	Wall Covering Sample
	Colour : Grey
	End Use : Wall Covering
	Nominal Composition : Vinyl with Osnaburg Backing
	Nominal Mass per Unit Area/Density : 20ozyd2
	Nominal Thickness : Approx. 1mm



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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.

As per AS 5637.1 Clause 9(n) it was valid to test this particular material / system in the cone calorimeter for the assignment of a NCC Group Number.

Test Sponsor :	Materialised Pty Ltd 19 Heath Road Blakehurst NSW 2221	Test Number :	26-001943
		Issue Date :	12/06/2026
		Print Date :	16/06/2026

Product Group Number Classification :	2
Average Specific Extinction Area :	130.4 m ² /kg



Fiona McDonald
Testing Technologist

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