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: Unique Fabrics

6 Mt Eden Road

Eden Terrace. Auckland New Zealand

New Zealand

Sample Description Wallpaper sample

Colour: Various

End Use: Wallcovering

Nominal Composition: Non woven substrate with water based ink and decorative elements

Test Number :

Issue Date

Print Date

19-003295

16/08/2019

2/10/2019

Nominal Mass per Unit Area/Density: 277g/m2

Nominal Thickness: Approx 0.5mm

Commerical Names of Product

Alchemy Basalt Berluti Classic Impressions
Classic Victory Classy Vibes Delicate Chic Favourite twist
Figura Flamant Flamant Caractere Flamant Suite I

Flamant Suite II Flamant Suite III Velvet Flamant Suite IV refinded structures Flamant Suite V Mystic **Impressions** Flamant Les Memoires Flamant les Mineraux Flament les Rayures Flamant les Unis Gentle Groove Hidden Treasures Flavor Paper Le Corbusier Le Corbusier Dots Les Docors d'Arte Junale Jive

LignaNew EleganceNoctisMementoMetal XMetal X SignumMixed MoodsMonochromePaper CraftPure ImpulseRevereRhapsody

Sahco Shibori Splendid Living

Tinted Tiles: Opulent, Lush, Flake, Helix, Groove, Blend, Twist, Tangle

MOOOI: Calligaphy Bird, Blooming Seadragon, Aristo, Quagga, Blushing Sloth, Umbrella Squid,

Insolence: Temper, Shiver, Vanity, Blast, Nerve, Moxie

Cantala: Craft, Combo, String

Vanguard: Plex, Mira, Modernist, Tessella, Traverse

Paleo: Latus, Empire, Civilia, Strata

Exotique: Carmona, Cumulus, Scala, Tembo

Exotique: Meru, Sabal

Nomadia: Aster, Accra, Axim, Hedera, Solid, Mazuri

107564 36858 Page 1 of 15

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- Chemical Testing

- Mechanical Testing 985 : Accreditation No : Accreditation No 983

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TEST REPORT

Specimen

3

Client: Unique Fabrics

6 Mt Eden Road

Eden Terrace, Auckland New Zealand

New Zealand

Test Number : 19-003295

5

Issue Date 16/08/2019

6

Mean

Print Date 2/10/2019

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

2

Consumption Calorimeter

1

Date Tested 16/08/2019

Operator **AWTA Test Operator 7**

Face Tested Face

Assessed Heat Bolt										
Average Heat Release Rate		20.1	28.2	18.7	23.9	32.0	19.8	23.8	kW/m²	
Average Specific extinction area		10.3	10.6	7.0	18.8	12.7	10.7	11.7	m²/kg	
	(according to Specification C1.10 of the Building Code of Australia)									
Test orientation : Horizontal				0						
		Specimen								
		1	2	3	4	5	6	Mean	l	
Irradiance		50	50	50	50	50	50	50	kW/m²	
Exhaust flow rate		0.024	0.024	0.024	0.024	0.024	0.024	0.024	m³/s	
Time to sustained flaming		38	29	30	33	30	31	32	sec	
Test duration		304	369	340	374	223	375	331	sec	
Peak heat release after ignition		106.4	148.0	68.8	119.0	97.2	87.3	104.5	kW/m²	
Average heat at 60 s		50.2	84.5	41.6	67.5	56.5	56.5	59.4	kW/m²	
Average heat at 180 s		27.0	41.8	24.3	36.1	33.0	29.8	32.0	kW/m²	
Average heat at 300 s		n/a	30.8	19.1	26.1	n/a	22.0	16.3	kW/m²	
Total heat released		5.7	9.7	5.8	8.3	6.2	6.9	7.1	MJ/m²	
Ave. effective heat of combustion		4.0	5.6	3.8	5.3	5.3	4.4	4.7	MJ/kg	
Initial thickness		10.5	10.5	10.5	10.7	10.5	10.5	10.5	mm	
Initial mass		58.9	65.6	63.5	58.7	59.9	64.6	61.9	g	
Mass at sustained flaming		58.1	65.2	62.8	58.3	59.6	64.3	61.4	g	
Mass remaining		48.0	51.6	51.3	45.9	50.5	51.7	49.8	g	
Mass percentage pyrolysed		18.4	21.3	19.3	21.9	15.7	20.0	19.4	%	
107563	36858						Page 2 of 15			

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TEST REPORT

1.5

4.9

1.6

4.5

Client: Unique Fabrics

6 Mt Eden Road

Eden Terrace. Auckland New Zealand

New Zealand

Test Number :

19-003295

Issue Date

16/08/2019

Print Date

1.2

6.1

2/10/2019

1.5

5.0

kg/m²

g/m².s

1.6

4.6

Average rate of mass loss

Additional Observations

Mass loss

None

1.3

5.0

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.

1.7

5.1

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.

Samples were adhered to a substrate of 10mm thick plasterboard using Proffessional Ultra Clear PRO 880 wallcovering adhesive prior to testing.

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

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- Mechanical Testing

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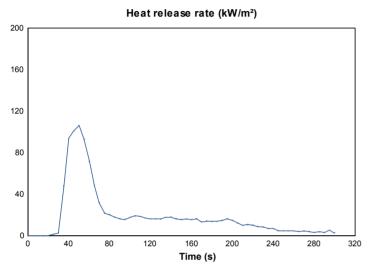
Test Number : 19-003295

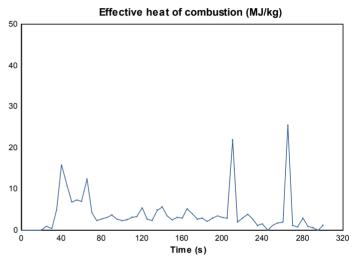
16/08/2019

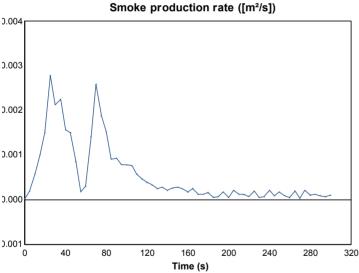
Issue Date

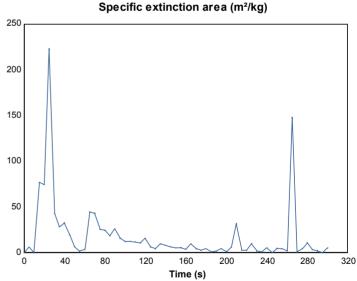
Print Date 2/10/2019

Specimen:









107563 36858 Page 4 of 15

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Test Number : 19-003295

Issue Date : 16/08/2019

Print Date : 2/10/2019

Mass loss rate (g/s) 0.20 0.16 0.12 0.08 0.04 0.00 40 80 120 160 200 240 280 320 Time (s)

Total heat released (MJ/m²)

8
6
4
2
0 40 80 120 160 200 240 280 320
Time (s)

Mass (g)

64

60

56

52

48

44

0 40 80 120 160 200 240 280 320

Time (s)

Rate of smoke release ([m²/s]/m²) 0.5 0.4 0.3 0.2 0.1 0.0 80 120 160 200 280 40 240 320 Time (s)

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TEST REPORT

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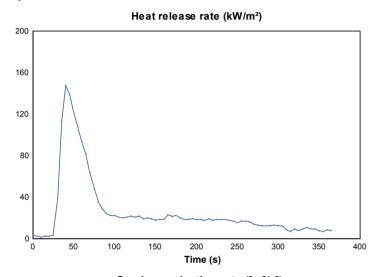
New Zealand

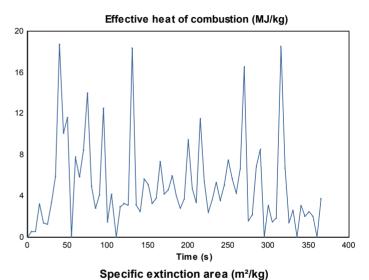
Test Number : 19-003295

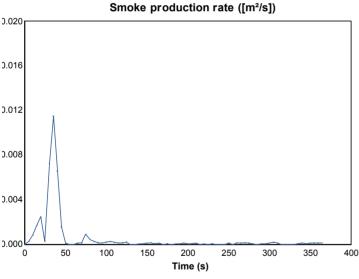
Issue Date 16/08/2019

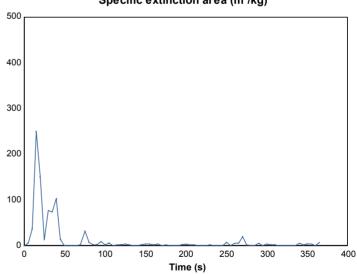
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Specimen: 2









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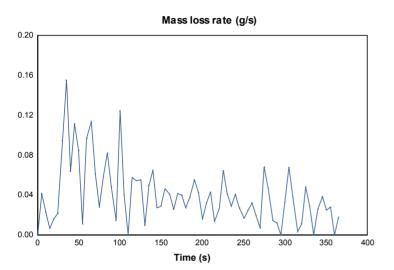
Eden Terrace, Auckland New Zealand

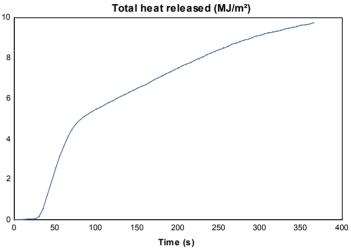
New Zealand

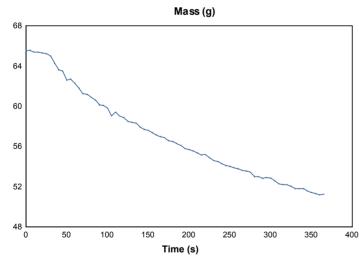
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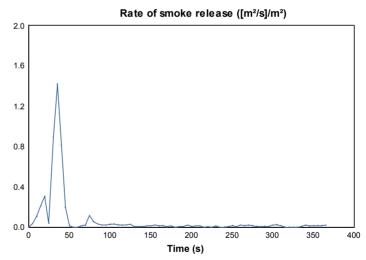
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Print Date : 2/10/2019









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New Zealand

Test Number : 19-003295

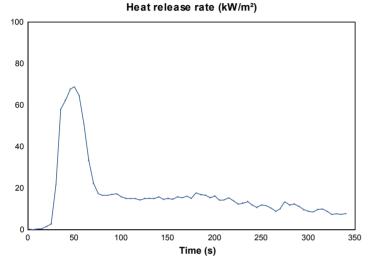
16/08/2019

Issue Date

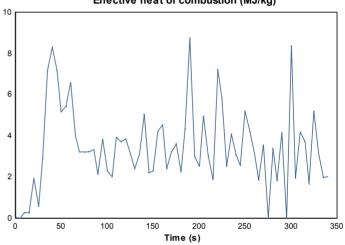
Print Date 2/10/2019

Specimen: 3

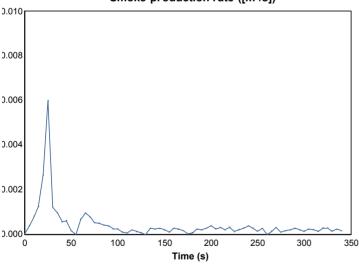




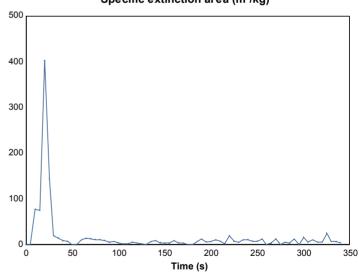
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



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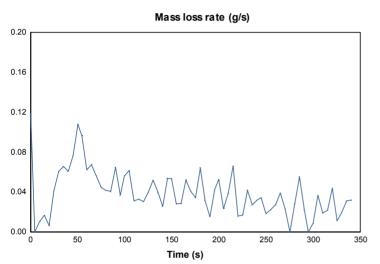
New Zealand

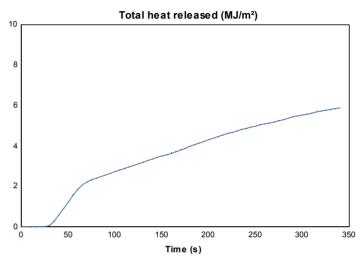
Test Number : 19-003295

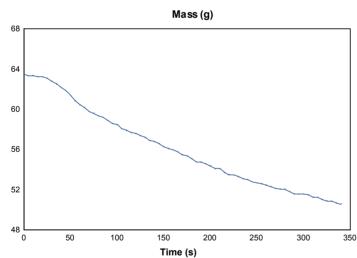
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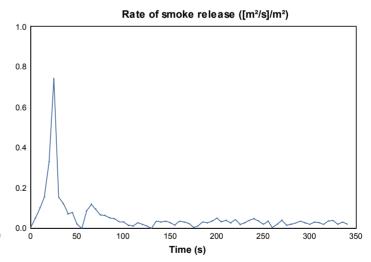
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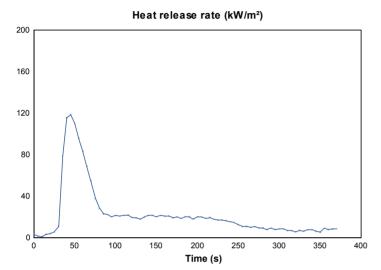
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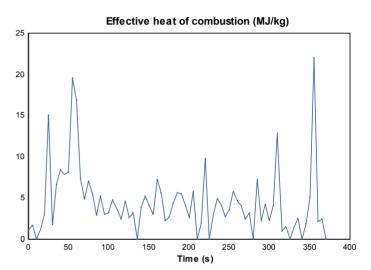
16/08/2019

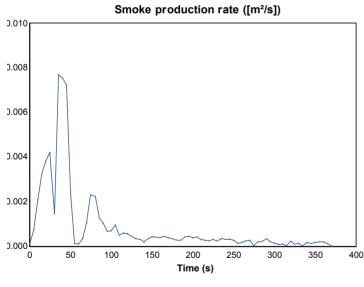
Issue Date

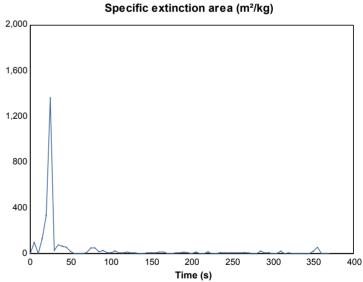
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Specimen: 4









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Client: Unique Fabrics

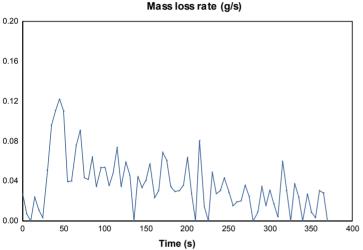
6 Mt Eden Road

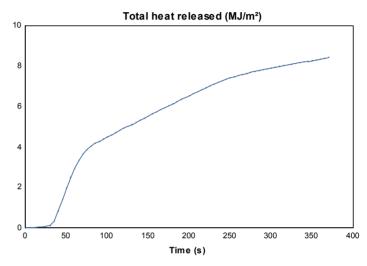
Eden Terrace, Auckland New Zealand

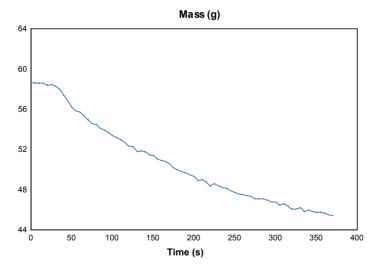
New Zealand

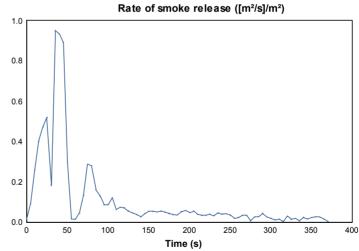
Test Number: 19-003295 **Issue Date**: 16/08/2019

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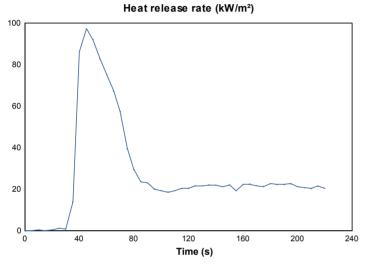
Test Number : 19-003295

16/08/2019

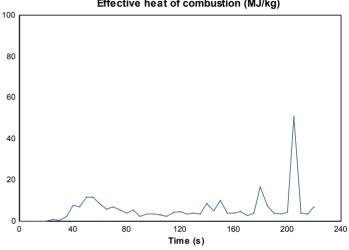
Issue Date

Print Date 2/10/2019

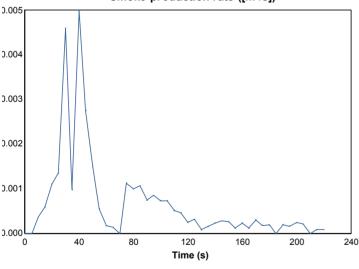
Specimen: 5



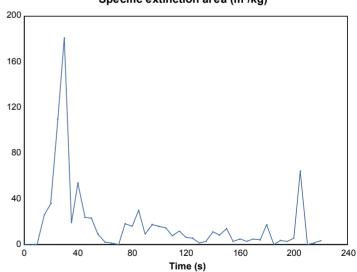
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



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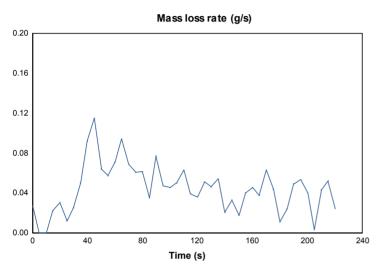
6 Mt Eden Road

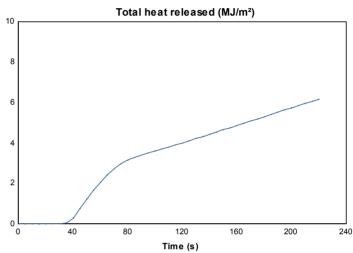
Eden Terrace, Auckland New Zealand

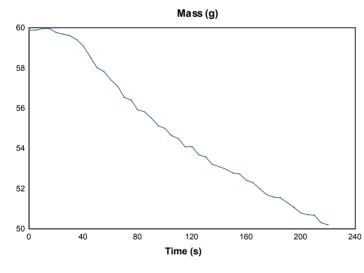
New Zealand

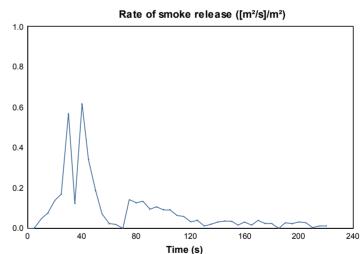
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New Zealand

Test Number : 19-003295

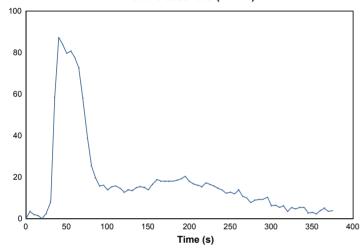
16/08/2019

Issue Date

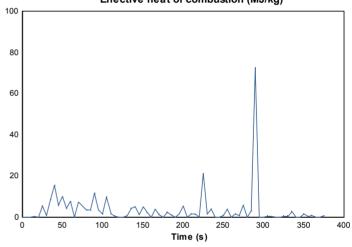
Print Date : 2/10/2019

Specimen: 6

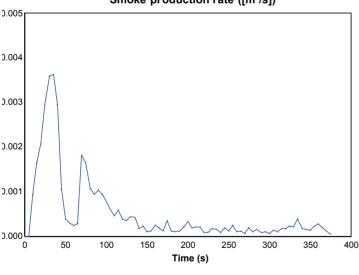
Heat release rate (kW/m²)



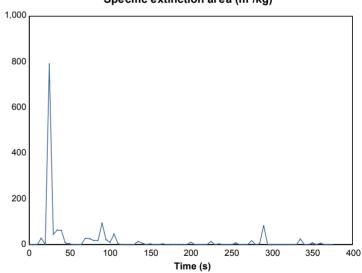
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



107563

36858

Page 14 of 15

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Accredited for compliance with ISO/IEC 17025 - Testing

- Chemical Testing

- Mechanical Testing 985 : Accreditation No

983

Samples and their identifying descriptions have been provided by the client unless otherwise stated.

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relate only to the sample or samples tested. This document shall not be reproduced except in full and

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MICHAEL A. JACKSON B.Sc.(Hons)

APPROVED SIGNATORY

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: Unique Fabrics

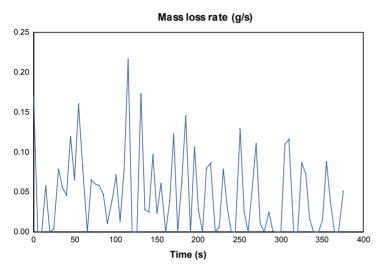
6 Mt Eden Road

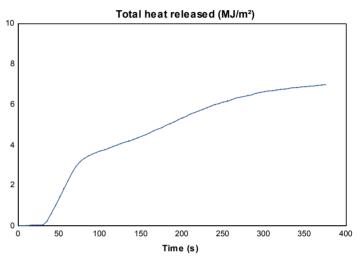
Eden Terrace. Auckland New Zealand

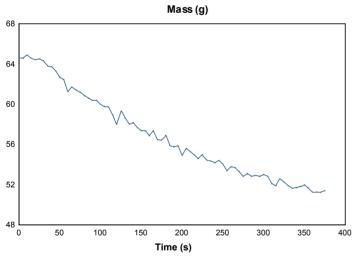
New Zealand

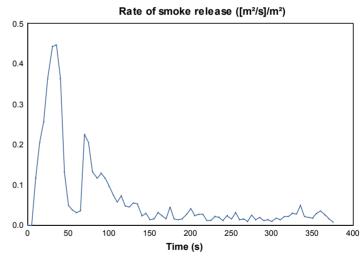
Test Number : 19-003295 **Issue Date** 16/08/2019

Print Date 2/10/2019









107563 36858

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ANAGING DIRECTOR



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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.

Test Sponsor: Unique Fabrics Test Number: 19-003295

6 Mt Eden Road : 20/08/2019 Eden Terrace, Auckland New Zealand : 2/10/2019

New Zealand

Sponsor Product Wallpaper sample

Colour : Various
End Use : Wallcovering

Nominal Composition: Non woven substrate with water based ink and decorative elements

Nominal Mass per Unit Area/Density: 277g/m2

Nominal Thickness: Approx 0.5mm

Product Group Number Classification:

Average Specific Extinction Area: 11.7 m²/kg

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Fiona McDonald Testing Technologist

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