A.B.N 43 006 014 106

AWTA PRODUCT TESTING

1st Floor, 191 Racecourse Road, Flemington, Victoria 3031

P.O Box 240, North Melbourne, Victoria 3051

Phone (03) 9371 2400

TEST REPORT

Client :	Unique Fabrics	Test Number	:	19-003296
	6 Mt Eden Road	Issue Date	:	16/08/2019
	Eden Terrace, Auckland New Zealand	Print Date	:	13/08/2020
	New Zealand			

Replacement of Initial Report dated :02/10/2019

Sample Description	Clients Ref : "Essentials, Wildwalk, Sketch, Essentials / Les Nuances" Wallpaper samples
	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

Commercial Names	od 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	Flavor Paper	Gentle Groove	Hidden Treasures
Jungle Jive	Le Corbusier	Le Corbusier Dots	Les Docors d'Arte
Ligna	New Elegance	Noctis	Memento
Metal X	Metal X Signum	Mixed Moods	Monochrome
Paper Craft	Pure Impulse	Revere	Rhapsody
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

_	107567	36859				Page 1 of 21
C	Australian Wool Testing Authority Ltd Copyright - All Rights Reserved	NATA	Accredited for compliance with ISO/IEC 17025 - Testing - Chemical Testing - Mechanical Testing - Performance & Approvals Testing	: Accreditation No. : Accreditation No. : Accreditation No.	983 985 1356	(A A A A A A A A A A A A A A A A A A A
			identifying descriptions have been provided by the client unle			AWTĂ

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	6 Mt Eden Road	Issue Date	:	16/08/2019
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	New Zealand			

Release Rate (Cone Calorimeter Method) and Were Production Rate Upsaming Release Network Rate Upsaming Release Rate Date Tested 1 2 3 4 5 6 Mean Release Rate 1 2 3 4 5 6 Mean Average Heat Release Rate 5.8 6.2 5.1 8.8 9.9 8.7 7.4 kW/m² Average Specific extinctor Colspan="4">State Constructor Test or isotron to	ISO 5660.1-2015	Reaction to Fire Test	s - Heat Rele	ease Smoke P	roduction an	d Mass Loss	Rate Part 1:	Heat	
Face Tested Face Face Tested Face 1 2 3 4 5 6 Mean Average Heat Release Rate 5.8 6.2 5.1 8.8 9.9 8.7 7.4 kW/m² Average Specific extinction area .<		Release Rate (Cone	Calorimeter	Method) and S	Smoke Produ	uction Rate (Dynamic Mea	surement)	
Specime123456MeanAverage Heat Release Rate5.86.25.18.89.98.77.4kW/m²Average Specific extinction area $$	Date Tested	16/08/2019							
123456MeanAverage Heat Release Rate5.86.25.18.89.98.77.4kW/m²Average Specific extinction areacalculation area17.2Test orientation : HorizontalTest orientation : HorizontalTest orientation : Horizontal123456MeanIrradiance50	Face Tested	Face							
Average Heat Release Rate5.86.25.18.89.98.77.4kW/m²Average Specific extinction area(According to US 5660.2-2000Test orientation : HorizontalTest orientation : HorizontalSpecimum Colspan="3">Specimum Colspan="3"Irradiance505050505060kW/m²Exhaust flow rate0.0240.0240.0240.0240.0240.0240.0240.0240.0240.024Time to sustained flaming38293033303132secsecTest duration1838182918301833183018311832secPeak heat release after ignition106.4148.068.8119.097.287.3104.5kW/m²Average heat at 80 s27.041.824.336.133.029.832.0kW/m²Average heat at 300 s18.030.819.126.125.322.023.5kW/m²Total heat released11.014.810.116.117.815.914.3MJ/m²Average free to forombustion56524.68.38.87.86.7MJ/kgInitial thickness10.510.510.510.710.510.510.510.5				Spe	cimen				
Average Specific extinction area 17.2 (According to ISO 5660.2-2002) Test orientation : Horizontal Specime Test orientation : Horizontal 1 2 3 1 2 3 6 Mean Irradiance 50		1	2	3	4	5	6	Mear	1
(According to ISO 5660.2-2002) Test orientation : Horizontal Specimer 1 2 3 4 5 6 Mean Irradiance 50 50 50 50 50 50 80 800 Exhaust flow rate 0.024	Average Heat Release Rate	e 5.8	6.2	5.1	8.8	9.9	8.7	7.4	kW/m²
Test orientation : HorizontalSpeciment123456MeantIrradiance50<	Average Specific extinction	area						17.2	
Specimen123456MeanIrradiance50505050505050kW/m²Exhaust flow rate0.0240.0240.0240.0240.0240.0240.024m³/sTime to sustained flaming38293033303132secTest duration1838182918301833183018311832secPeak heat release after ignition106.4148.068.8119.097.287.3104.5kW/m²Average heat at 60 s27.041.824.336.133.029.832.0kW/m²Average heat at 300 s18.030.819.126.125.322.023.5kW/m²Total heat released11.014.810.116.117.815.914.3MJ/m²Ave. effective heat of combustion5.65.24.68.38.87.86.7MJ/kgInitial thickness10.510.510.510.510.510.510.510.510.510.5				(According to	ISO 5660.2-	2002)			
Specimen123456MeanIrradiance505050505050kW/m²Exhaust flow rate0.0240.0240.0240.0240.0240.0240.024m³/sTime to sustained flaming38293033303132secTest duration1838182918301833183018311832secPeak heat release after ignition106.4148.068.8119.097.287.3104.5kW/m²Average heat at 60 s77.041.824.336.133.029.832.0kW/m²Average heat at 300 s18.030.819.126.125.322.023.5kW/m²Total heat released11.014.810.116.117.815.914.3MJ/m²Ave. effective heat of combustion5.65.24.68.38.87.86.7MJ/kgInitial thickness10.510.510.510.510.510.510.5mm	Test orientation : Horizo	ntal							
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Exhaust flow rate0.0240.0240.0240.0240.0240.0240.0240.024m3/sTime to sustained flaming38293033303132secTest duration1838182918301833183018311832secPeak heat release after ignition106.4148.068.8119.097.287.3104.5kW/m²Average heat at 60 s41.824.336.133.029.832.0kW/m²Average heat at 180 s27.041.824.336.125.322.023.5kW/m²Average heat at 300 s18.030.819.126.125.322.023.5kW/m²Total heat released11.014.810.116.117.815.914.3MJ/m²Ave. effective heat of combustion5.65.24.68.38.87.86.7MJ/kgInitial thickness10.510.510.510.510.510.5mm		1	2	3	4	5	6	Mear	1
Time to sustained flaming38293033303132secTest duration1838182918301833183018311832secPeak heat release after ignition106.4148.068.8119.097.287.3104.5kW/m²Average heat at 60 s36.133.029.832.0kW/m²Average heat at 180 s27.041.824.336.133.029.832.0kW/m²Average heat at 300 s18.030.819.126.125.322.023.5kW/m²Total heat released11.014.810.116.117.815.914.3MJ/m²Ave. effective heat of combustion5.65.24.68.38.87.86.7MJ/kgInitial thickness10.510.510.510.710.510.510.5mm	Irradiance	50	50	50	50	50	50	50	kW/m²
Test duration1838182918301833183018311832secPeak heat release after ignition106.4148.068.8119.097.287.3104.5kW/m²Average heat at 60 s41.824.336.133.029.832.0kW/m²Average heat at 180 s27.041.824.336.125.322.023.5kW/m²Average heat at 300 s18.030.819.126.125.322.023.5kW/m²Total heat released11.014.810.116.117.815.914.3MJ/m²Ave. effective heat of combustion5.65.24.68.38.87.86.7MJ/kgInitial thickness10.510.510.510.710.510.510.5mm	Exhaust flow rate	0.024	0.024	0.024	0.024	0.024	0.024	0.024	m³/s
Peak heat release after ignition106.4148.068.8119.097.287.3104.5kW/m²Average heat at 60 sAverage heat at 180 s27.041.824.336.133.029.832.0kW/m²Average heat at 300 s18.030.819.126.125.322.023.5kW/m²Total heat released11.014.810.116.117.815.914.3MJ/m²Ave. effective heat of combustion5.65.24.68.38.87.86.7MJ/kgInitial thickness10.510.510.510.710.510.510.5mm	Time to sustained flaming	38	29	30	33	30	31	32	sec
Average heat at 60 sAverage heat at 180 s27.041.824.336.133.029.832.0kW/m²Average heat at 300 s18.030.819.126.125.322.023.5kW/m²Total heat released11.014.810.116.117.815.914.3MJ/m²Ave. effective heat of combustion5.65.24.68.38.87.86.7MJ/kgInitial thickness10.510.510.510.710.510.510.5mm	Test duration	1838	1829	1830	1833	1830	1831	1832	sec
Average heat at 180 s27.041.824.336.133.029.832.0kW/m²Average heat at 300 s18.030.819.126.125.322.023.5kW/m²Total heat released11.014.810.116.117.815.914.3MJ/m²Ave. effective heat of combustion5.65.24.68.38.87.86.7MJ/kgInitial thickness10.510.510.510.710.510.510.5mm	Peak heat release after igni	tion 106.4	148.0	68.8	119.0	97.2	87.3	104.5	kW/m²
Average heat at 300 s 18.0 30.8 19.1 26.1 25.3 22.0 23.5 kW/m² Total heat released 11.0 14.8 10.1 16.1 17.8 15.9 14.3 MJ/m² Ave. effective heat of combustion 5.6 5.2 4.6 8.3 8.8 7.8 6.7 MJ/kg Initial thickness 10.5 10.5 10.5 10.7 10.5 10.5 10.5 mm	Average heat at 60 s								
Total heat released 11.0 14.8 10.1 16.1 17.8 15.9 14.3 MJ/m² Ave. effective heat of combustion 5.6 5.2 4.6 8.3 8.8 7.8 6.7 MJ/kg Initial thickness 10.5 10.5 10.5 10.7 10.5 10.5 mm	Average heat at 180 s	27.0	41.8	24.3	36.1	33.0	29.8	32.0	kW/m²
Ave. effective heat of combustion 5.6 5.2 4.6 8.3 8.8 7.8 6.7 MJ/kg Initial thickness 10.5 10.5 10.7 10.5 10.5 10.5 mm	Average heat at 300 s	18.0	30.8	19.1	26.1	25.3	22.0	23.5	kW/m²
Initial thickness 10.5 10.5 10.5 10.7 10.5 10.5 10.5 mm	Total heat released	11.0	14.8	10.1	16.1	17.8	15.9	14.3	MJ/m²
	Ave. effective heat of comb	ustion 5.6	5.2	4.6	8.3	8.8	7.8	6.7	MJ/kg
Initial mass 58.9 65.6 63.5 58.7 59.9 64.6 61.9 a	Initial thickness	10.5	10.5	10.5	10.7	10.5	10.5	10.5	mm
initia inass 00.0 00.0 00.0 00.1 00.0 07.0 01.8 g	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 at sustained flaming	58.1	65.2	62.8	58.3	59.6	64.3	61.4	g
Mass remaining 43.5 46.8 47.4 43.0 43.5 47.8 45.3 g	Mass remaining	43.5	46.8	47.4	43.0	43.5	47.8	45.3	g

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Page 2 of 21



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A.B.N 43 006 014 106

AWTA Product Testing

1st Floor, 191 Racecourse Road, Flemington, Victoria 3031

P.O Box 240, North Melbourne, Victoria 3051

Phone (03) 9371 2400

TEST REPORT

Client :	Unique Fabrics	Test Number	:	19-003296
	6 Mt Eden Road	Issue Date	:	16/08/2019
	Eden Terrace, Auckland New Zealand	Print Date	:	13/08/2020
	New Zealand			

Replacement of Initial Report dated :02/10/2019								
Mass percentage pyrolysed Mass loss	1904.1	2317.8	1993.4	1942.4	2019.9	2079.2	26.7 2042.8	g/m²
Average rate of mass loss	1.0	1.2	1.1	1.1	1.1	1.1	1.1	g/m².s
Total smoke Production (Non Flaming phase)	5.8	3.4	7.3	9.2	3.5	5.8	5.8	m²/m²
Total smoke Production (Flaming phase)	26.5	34.1	36.2	47.7	42.8	43.7	38.5	m²/m²
Total smoke Production (Non Flaming & Flaming phase)	32.3	37.5	43.5	56.9	46.3	49.5	44.3	m²/m²
Specimen Surface area							-	
C-Factor (Calibration Constant)).040253	0.042682).040253).040253	.040253	0.042682		-
Additional Observations		None						
Difficulties Encountered during Testin	ıg	None						

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.

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.

Note: All calculations are based on ignition + 30 minutes.

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: Accreditation No. : Accreditation No. : Accreditation No.

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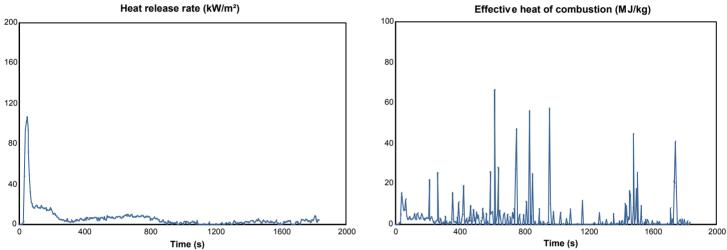
TEST REPORT

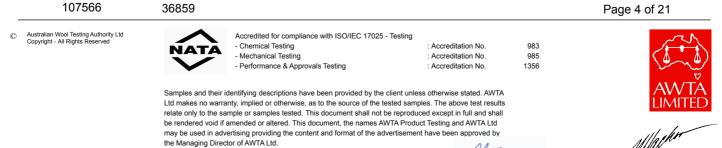
Client : Unique Fabrics 6 Mt Eden Road Eden Terrace, Auckland New Zealand New Zealand

Test Number	:	19-003296
Issue Date	:	16/08/2019
Print Date	:	13/08/2020

Replacement of Initial Report dated :02/10/2019

Specimen: 1





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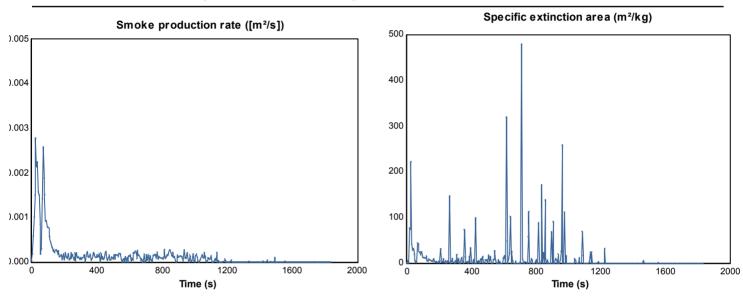
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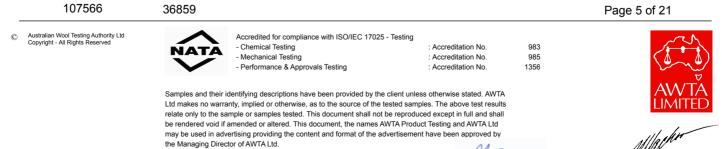
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 Test Number
 :
 19-003296

 Issue Date
 :
 16/08/2019

 Print Date
 :
 13/08/2020

Replacement of Initial Report dated :02/10/2019 Mass loss rate (g/s) Total heat released (MJ/m²) 20 0.20 0.16 16 0.12 12 0.08 0.0 0.00 0 800 2000 1600 400 800 1200 2000 0 0 Time (s) Time (s) Mass (g) Rate of smoke release ([m²/s]/m²) 60 0.5 56 0.4 52 0.3 48 0.2 0. 44 YMWWW Lunth IN 40 0.0 400 800 1200 1600 2000 1200 1600 2000 400 800 Time (s) Time (s) 107566 36859 Page 6 of 21 Australian Wool Testing Authority Ltd Copyright - All Rights Reserved Accredited for compliance with ISO/IEC 17025 - Testing C - Chemical Testing Accreditation No 983 Mechanical Testing Accreditation No 985

Performance & Approvals Testing : Accreditation No.
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IICHAEL A. JACKSON B.Sc.(Hons)

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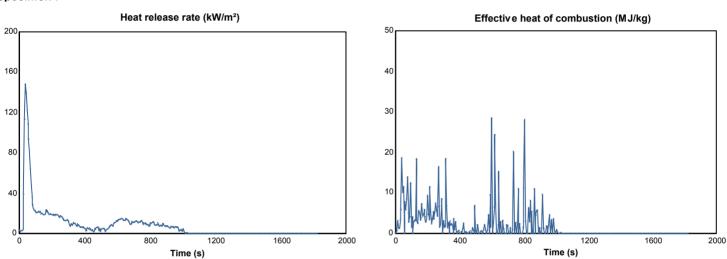
TEST REPORT

Client : Unique Fabrics 6 Mt Eden Road Eden Terrace, Auckland New Zealand New Zealand

Test Number	:	19-003296
Issue Date	:	16/08/2019
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Replacement of Initial Report dated :02/10/2019

Specimen: 2



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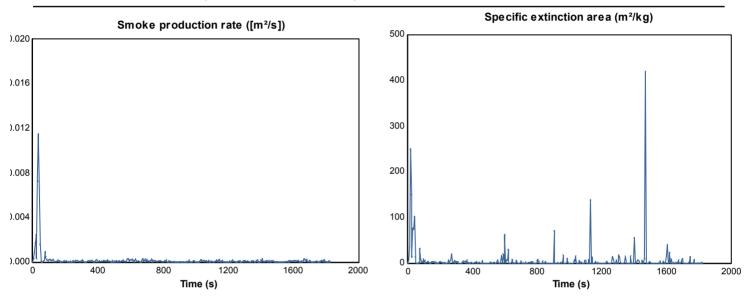
Phone (03) 9371 2400

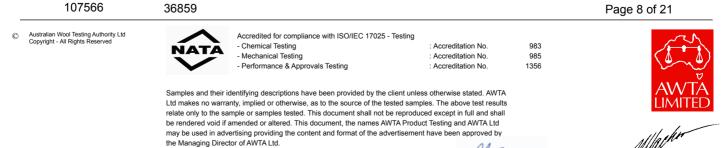
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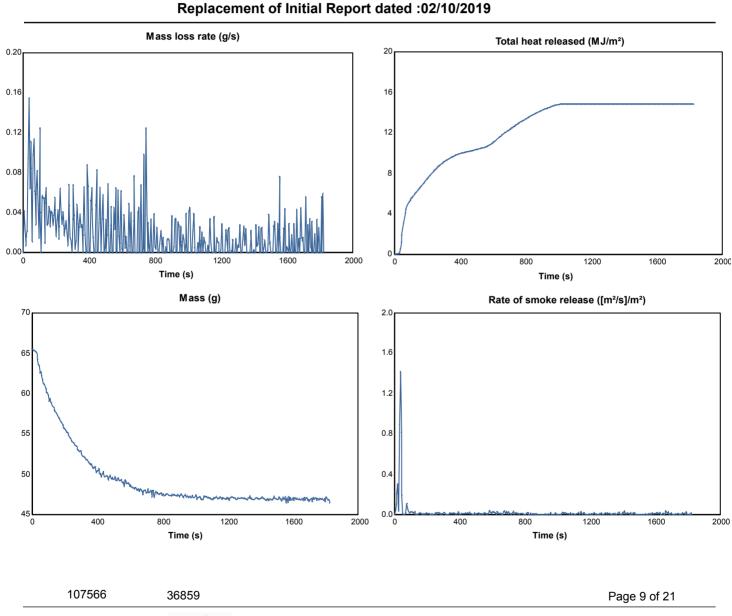
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MARINE A. JACKSON B.Sc.(Hons)

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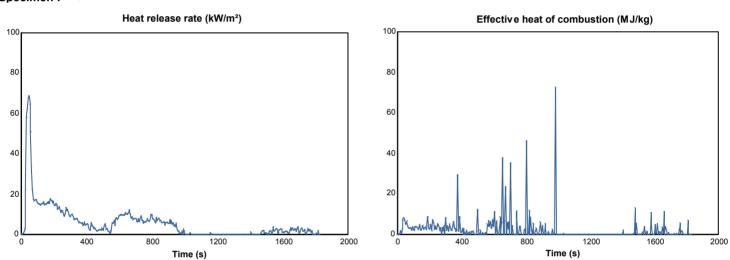
TEST REPORT

Unique Fabrics Client : 6 Mt Eden Road Eden Terrace. Auckland New Zealand New Zealand

Test Number	:	19-003296
Issue Date	:	16/08/2019
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Replacement of Initial Report dated :02/10/2019

3 Specimen :



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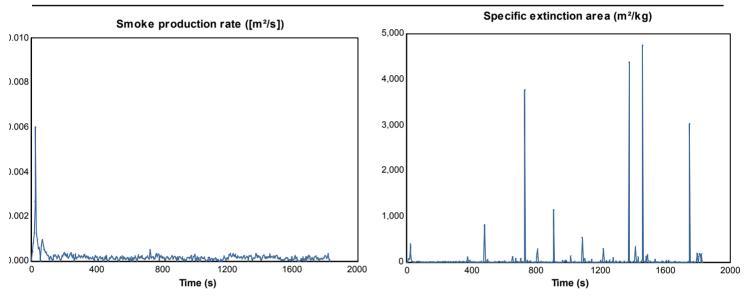
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Test Number : 19-003296 Issue Date : 16/08/2019 Print Date : 13/08/2020

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A.B.N 43 006 014 106

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P.O Box 240, North Melbourne, Victoria 3051

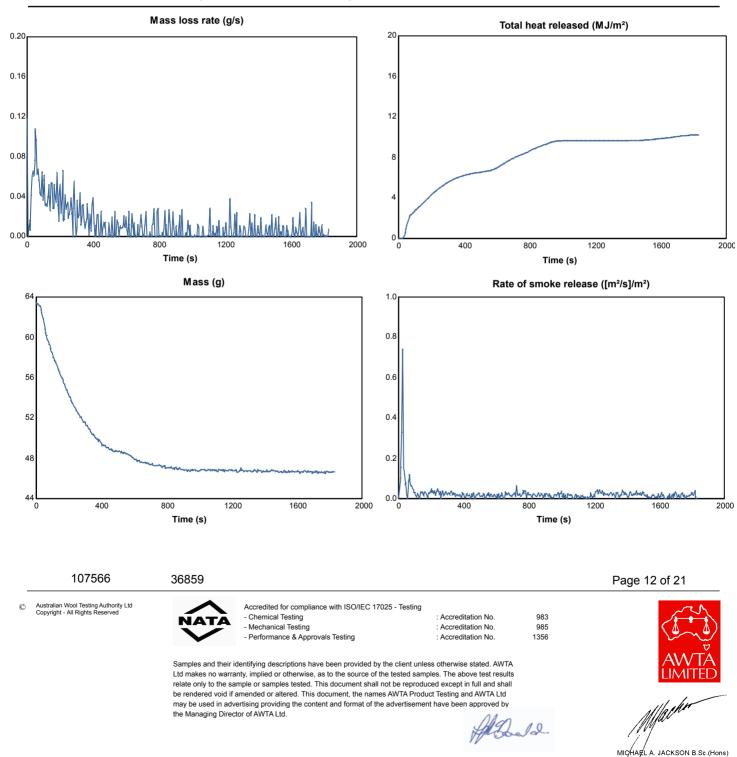
Phone (03) 9371 2400

TEST REPORT

Client : Unique Fabrics 6 Mt Eden Road Eden Terrace, Auckland New Zealand New Zealand

Test Number	:	19-003296
Issue Date	:	16/08/2019
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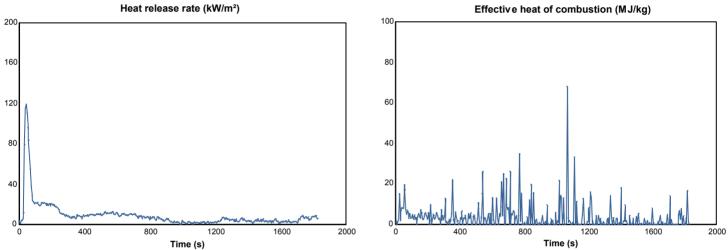
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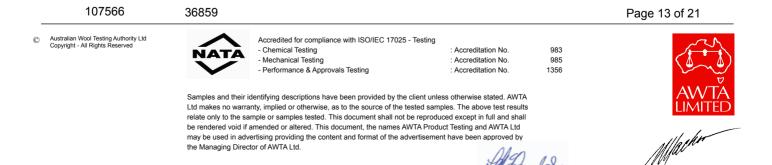
Unique Fabrics Client : 6 Mt Eden Road Eden Terrace. Auckland New Zealand New Zealand

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4 Specimen :





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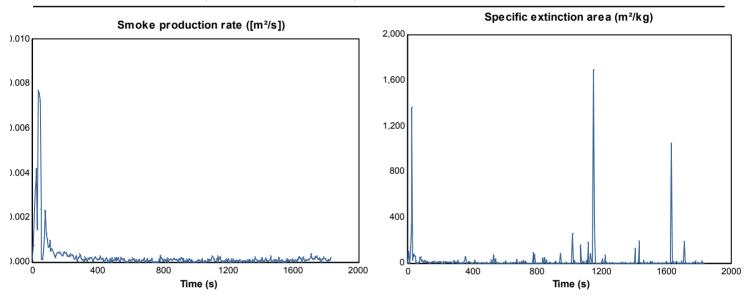
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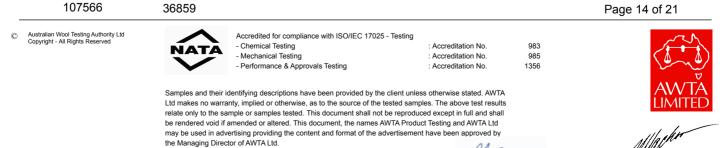
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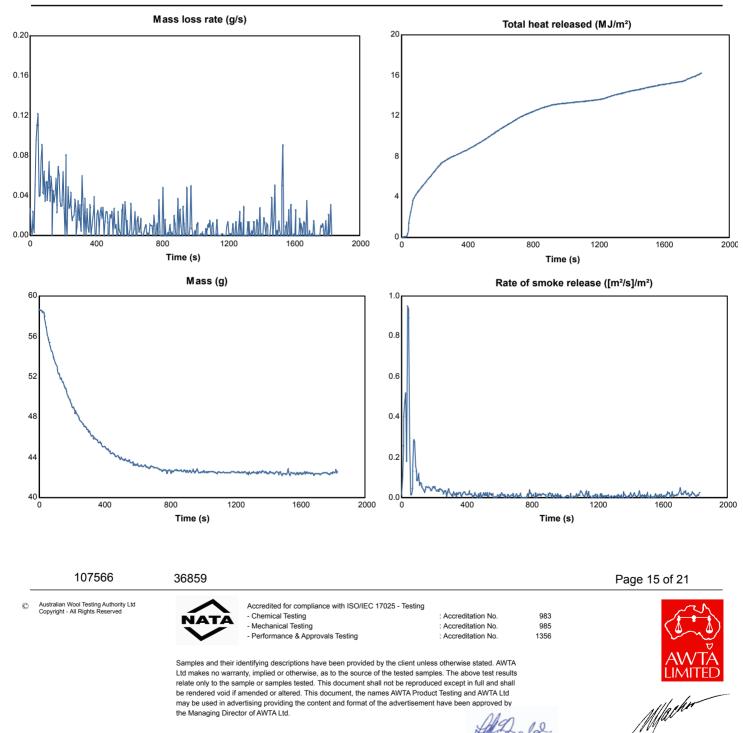
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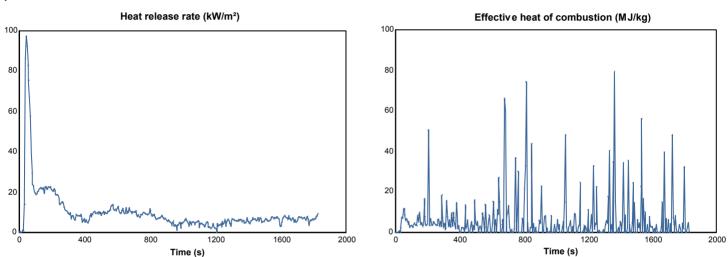
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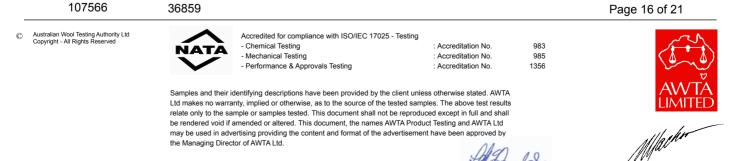
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19-003296 Test Number : Issue Date 16/08/2019 : 13/08/2020 **Print Date** :

Replacement of Initial Report dated :02/10/2019

5 Specimen :





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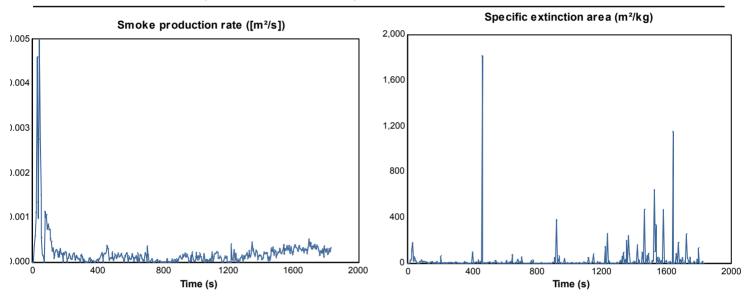
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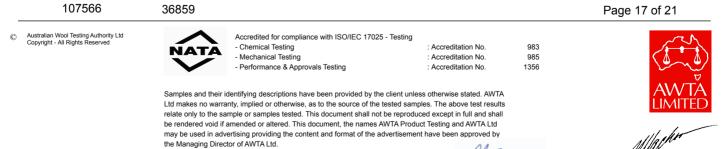
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 Test Number
 :
 19-003296

 Issue Date
 :
 16/08/2019

 Print Date
 :
 13/08/2020

Replacement of Initial Report dated :02/10/2019 Mass loss rate (g/s) Total heat released (MJ/m²) 20 0.20 0.16 16 0.12 12 0.08 0.0 0.00 0 2000 400 1600 800 800 1200 0 Time (s) Time (s) Mass (g) Rate of smoke release ([m²/s]/m²) 60 1.0 56 0.8 52 0.6 48 0.4 0.2 44

36859
Accredited for compliance with ISO/IEC 17025 - Testing
- Chemical Testing
- Mechanical Testing
- Mechanical

2000

0.0

400

Accreditation No

800

Time (s)

1356

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1600

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1200

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2000



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Time (s)

1200

1600

Performance & Approvals Testing

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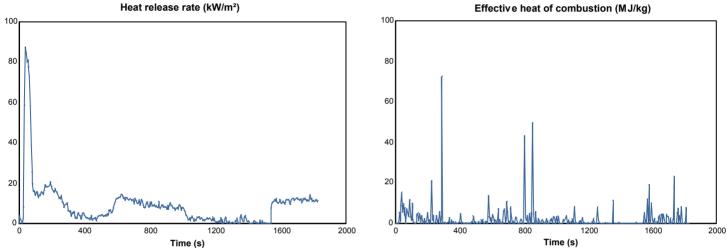
TEST REPORT

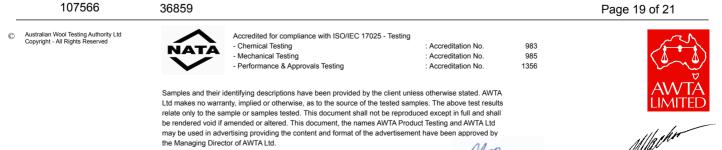
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6 Specimen :





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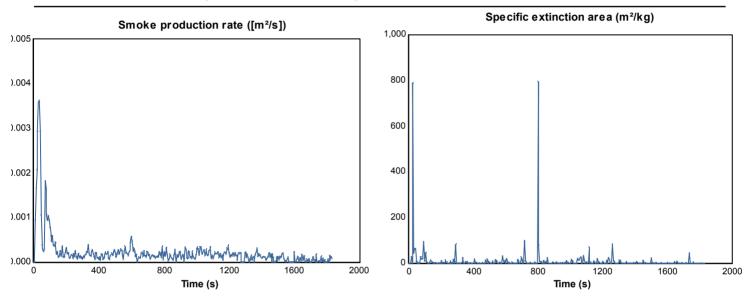
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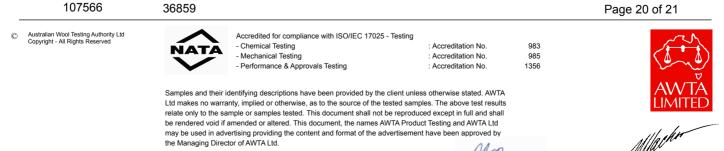
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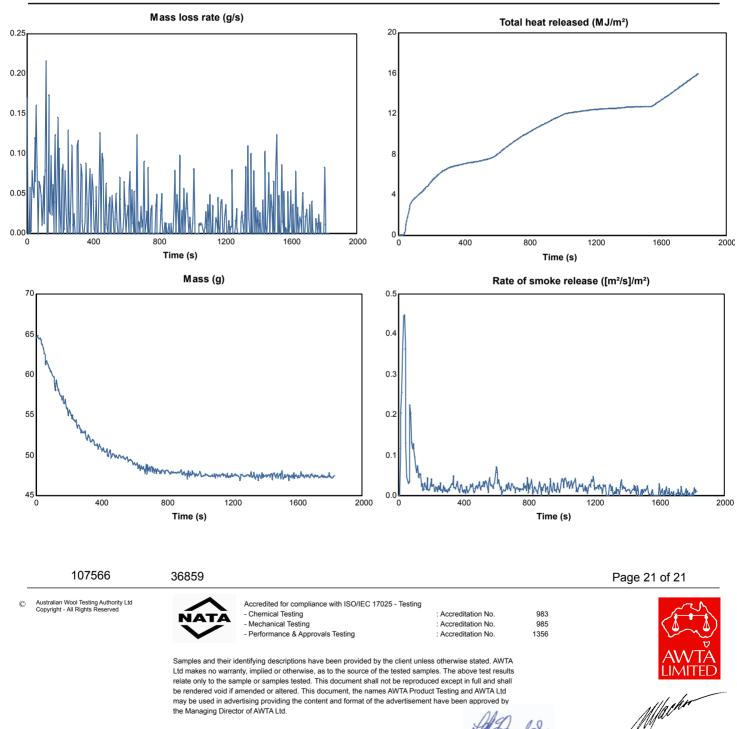
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Group Number Assessment

(In accordance with New Zealand Building Code Verification Method C/VM2 Appendix A)

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

Testing was performed in accordance with ISO 5660.1-2015 Method of test for heat and smoke release rates for materials and products using an oxygen consumption calorimeter.

Test Sponsor :	Unique FabricsTest Number:19-0032966 Mt Eden RoadIssue Date:20/08/2019Eden Terrace, Auckland New ZealandPrint Date:13/08/2020New Zealand	
Sponsor Product	Clients Ref : "Essentials, Wildwalk, Sketch, Essentials / Les Nuances" Wallpaper samples 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	

Product Group Number Classification :

Average Specific Extinction Area :

1S

17.2

m²/kg

Albeld

Fiona McDonald Testing Technologist

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