metrotiles
metrostyle

	25x50	50x100	25x150	50x150
Red	☑	☑	☑	☑
Chocolate	☑	☑	☑	☑
Super White	☑	☑	☑	☑
Black	☑	☑	☑	☑
Yellow	☑	☑	☑	☑
Pale Grey	☑	☑	☑	☑
Grey	☑	☑	☑	☑
Havana	☑	☑	☑	☑
Ontario	☑	☑	☑	☑
Toffee	☑	☑	☑	☑
Mole	☑	☑	☑	☑
Linen	☑	☑	☑	☑
Cognac	☑	☑	☑	☑
Ivory	☑	☑	☑	☑
Pale Blue	☑	☑	☑	☑
Pale Green	☑	☑	☑	☑
Charcoal	☑	☑	☑	☑
Pink	☑	☑	☑	☑
Pearl Grey	☑	☑	☑	☑
Coffee	☑	☑	☑	☑
White	☑	☑	☑	☑
Blue	☑	☑	☑	☑
Green	☑	☑	☑	☑
Vanilla	☑	☑	☑	☑
Pistache	☑	☑	☑	☑
Old Pink	☑	☑	☑	☑
Parme	☑	☑	☑	☑
	☑	☑	☑	☑

	25x50	50x100	25x150	50x150
Dark Blue	☑	☑	☑	☑
Dark Green	☑	☑	☑	☑
Blue Moon	☑	☑	☑	☑

Infrastructure Technology

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Registered Testing Authority - CSIRO

29 April 2015 Our Ref. EN13 / 2337 03/0212

TEST REPORT No. 7325.3

Requested by: Metro Tiles Pty Ltd
192 Granite Street
Geebung
QLD 4034
on (date): 20 March 2015
Manufacturer: Winckelmans
Product Desc.: Fully Vitrified Matt Finish 100x100mm

Sampling details:
Where: Delivered
Date: 20 March 2015
By whom: Courier
How (methods): N/A

The results reported relate only to the sample(s) tested and the information received. No responsibility is taken for the accuracy of the sampling unless it is done under our own supervision. CSIRO cannot accept responsibility for deviations in the manufactured quality and performance of the product. While CSIRO takes care in preparing the reports it provides to clients, it does not warrant that the information in this particular report will be free of errors or omissions or that it will be suitable for the client's purposes. CSIRO will not be responsible for the results of any actions taken by the client or any other person on the basis of the information contained in the report or any opinions expressed in it. The reproduction of this test report is only authorised in the form of a complete photographic facsimile. Our written approval is necessary for any partial reproduction.

This test report consists of 5 pages

SUMMARY OF SLIP RESISTANCE TESTS PERFORMED:

		Result	Class
AS 4586:2013	Slip resistance classification of new pedestrian surface materials Appendix A: WET Pendulum (Slider 96): Mean SRV:	49	P4
AS 4586:2013	Slip resistance classification of new pedestrian surface materials Appendix C: WET/BAREFOOT Ramp Mean angle of inclination:	19°	B
AS 4586:2013	Slip resistance classification of new pedestrian surface materials, Appendix D: OIL-WET Ramp Corrected mean overall acceptance angle:	13°	R 10

In order to interpret the classifications, please refer to Standards Australia Handbook 198, An Introductory Guide to the Slip Resistance of Pedestrian Surface Materials, which recommends minimum classifications for a wide variety of locations.

It is important to realise that test results obtained on unused factory-fresh samples may not be directly applicable in service, where proprietary surface coatings, contamination, wear and subsequent cleaning all influence the behaviour of the pedestrian surface.

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REPORT NO: 7325.3
ISSUE DATE: 29 April 2015
MANUFACTURER: Winckelmans
PRODUCT DESC: Fully Vitrified Matt Finish 100x100mm

SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS

WET PENDULUM TEST METHOD

TEST CARRIED OUT IN ACCORDANCE WITH
AS 4586:2013 (Appendix A)

Test Date: 1 April 2015

RESULTS: Location: Slip Resistance Laboratory

Slider used: 96
Conditioned with grade P400 paper, dry and Imperial Lapping Film Grade 3MIC, wet

Sample: Unfixed
Cleaning: Acetone
Temperature: 23.6°C

Pendulum Friction Tester: Stanley (S/N: 0312, calibrated 03/06/2014)
Test conducted by: Khanh Ho

	Specimen 1	2	3	4	5
Last 3 swings (BPN)	**49**	**50**	**50**	**50**	**50**
	48	**50**	**50**	**50**	**49**
	48	**49**	**49**	**49**	**49**
Averages	**48**	**50**	**50**	**50**	**49**

Mean SRV : 49

CLASS : P4

Where products are to be used in wet barefoot areas, it is more appropriate to test to Appendix C of AS 4586 (which is technically equivalent to DIN 51097).

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SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS

WET/BAREFOOT RAMP TEST METHOD

TEST CARRIED OUT IN ACCORDANCE WITH
AS 4586:2013 (Appendix C) Test Date: 9 April 2015

Location: Slip Resistance Laboratory Test conducted by: KH, AG

Sample Fixed

Joint width: 0 mm

Surface structure:
[ ] Smooth
[X] Profiled
[ ] Structured

RESULTS

		Critical angle mean	Reported mean
Mean angle of inclination:	**Verification Board WB-A:**	**10.75 °**	**10 °**
	Verification Board WB-B:	**17.34 °**	**17 °**
	Verification Board WB-C:	**23.05 °**	**23 °**
Mean angle of inclination of Test Board:		**19.25 °**	**19 °**

CLASSIFICATION:

Quality Group: **B**

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SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS

OIL-WET RAMP TEST METHOD

TEST CARRIED OUT IN ACCORDANCE WITH
AS 4586:2013 (Appendix D) Test Date: 10 April 2015

Location: Slip Resistance Laboratory Test conducted by: KH, AG

Sample Fixed

Joint width: 0 mm

Surface structure:
[ ] Smooth
[X] Profiled
[ ] Structured

RESULTS

Corrected mean overall acceptance angle: 13 °

Displacement space: not tested

CLASSIFICATION:

Slip Resistance Assessment Group: **R 10**

Displacement Space Assessment Group: **-**

Test shoe used: Uvex Athletic

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ISSUE DATE: 29 April 2015
MANUFACTURER: Winckelmans
TILE DESC: Fully Vitrified Matt Finish 100x100mm

Date and Place 29 April 2015, Highett, Vic

Name, Title and Digital Signature:

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