Industrial Research Services

Manuf. & Infrastr. Technology, 14 Julius Ave (Riverside Corp. Park), North Ryde, NSW, 2113, Australia
Telephone: 61 2 9490 5444 Facsimile: 61 2 9490 5555 Web: http://www.cmit.csiro.au

Registered Testing Authority - Building Code of Australia

4 December 2003 Our Ref. ES13 / 610 03/0212

TEST REPORT No. SY598-2

Requested by:	Flowcrete Australia
on (date):	27 November 2003
Manufacturer:	Flowcrete Australia
Product Desc.:	Flowcoat SF41 30-60 mesh. Polymer coating system with grit embedded. Sample substrate - cement fibre board 1000mm x 500mm.
Sampling details:	
Where:	Telstra Stadium, Sydney Olympic Park, NSW
Date:	3 December 2003
By whom:	Tony Di Girolano
How (methods):	N/A

This test report consists of 5 pages

SUMMARY OF SLIP RESISTANCE TESTS PERFORMED:

		Result	Class
AS/NZS 4586:1999	Slip resistance classification of new pedestrian surface materials		
	Appendix A: WET Pendulum (Four S). Mean BPN:	63	V
	Appendix B: DRY (FFT). Mean COF:	1.00	F
	Appendix A,B: Dual classification:		VF
AS/NZS 4586:1999	Slip resistance classification of new pedestrian surface materials		
	Appendix A: WET Pendulum (TRRL). Mean BPN:	54	V
	Appendix B: DRY (FFT). Mean COF:	1.00	F
	Appendix A,B: Dual classification:		VF

In order to interpret the classifications, please refer to Standards Australia Handbook 197, 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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Sample substrate - cement fibre board 1000mm x 500mm.

SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS

WET PENDULUM TEST METHOD

TEST CARRIED OUT IN ACCORDANCE WITH
AS/NZS 4586:1999 (Appendix A)

Test Date: 3 December 2003

RESULTS: Location: Telstra Stadium, Sydney Olympic Park, NSW
Rubber slider used: Four S
Conditioned with grade P400 paper, dry

Sample: Unfixed
Cleaning: Distilled water
Temperature: 26°C

Pendulum Friction Tester: Wessex (S/N: A9589), calibrated 24/9/03

	Specimen 1	2	3	4	5
Last 3 swings	**66**	**65**	**61**	**61**	**65**
	66	**64**	**61**	**60**	**64**
	66	**64**	**61**	**60**	**64**
Averages	**66**	**64**	**61**	**60**	**64**

Mean BPN : 63

CLASS : V

This product also passes the wet slip resistance requirements of AS/NZS 3661.1: 1993.

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

Interpretation of class
Contribution of the floor surface to risk of slipping when wet = Very low

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SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS

WET PENDULUM TEST METHOD

TEST CARRIED OUT ACCORDING TO
AS/NZS 4586:1999 (Appendix A)

Test Date: 3 December 2003

RESULTS: Location: Telstra Stadium, Sydney Olympic Park, NSW
Rubber slider used: TRRL
Conditioned with grade P400 paper, dry

Sample: Unfixed
Cleaning: Distilled water
Temperature: 26°C

Pendulum Friction Tester: Wessex (S/N: A9589), calibrated 24/9/03

	Specimen 1	2	3	4	5
Last 3 swings	**55**	**55**	**51**	**55**	**54**
	54	**55**	**50**	**54**	**53**
	54	**55**	**50**	**54**	**52**
Averages	**54**	**55**	**50**	**54**	**53**

Mean BPN : 54

Temperature corrected.

CLASS : V

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

Interpretation of class
Contribution of the floor surface to risk of slipping when wet = Very low

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Sample substrate - cement fibre board 1000mm x 500mm.

SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS

DRY FLOOR FRICTION TEST METHOD

TEST CARRIED OUT IN ACCORDANCE WITH
AS/NZS 4586:1999 (Appendix B)

Test Date: 3 December 2003

RESULTS
Location: Telstra Stadium, Sydney Olympic Park, NSW
Sample: Sample Unfixed
Cleaning: Distilled water
Temperature: 26°C
FFT measurements taken over 2 passes of 800mm each

Rubber Type: Four S
Conditioned with grade P400 paper, dry

Floor Friction Tester: Tortus Mk II (S/N: 244)

Run 1: Average COF: 0.99

Run 2: Average COF: 1.00

Mean COF: 1.00

According to AS/NZS 4586 the Dry Coefficient of Friction shall be reported as : **1.00**
(mean rounded to the nearest 0.05)

CLASS : F

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Date and Place 4 December 2003, North Ryde, NSW.

Name(s), Title(s) and Digital Signature(s):

CARL STRAUTINS
TECHNICAL OFFICER

Consulting services are available if further detailed analysis of the test results are required.