



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

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/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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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
Sample: Unfixed
Cleaning: Distilled water
Temperature: 26°C
Rubber slider used: Four S
Conditioned with grade P400 paper, dry

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
Sample: Unfixed
Cleaning: Distilled water
Temperature: 26°C
Rubber slider used: TRRL
Conditioned with grade P400 paper, dry

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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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 Rubber Type: Four S
Sample Sample Unfixed Conditioned with grade P400 paper, dry
Cleaning: Distilled water
Temperature: 26°C
FFT measurements taken over 2 passes of 800mm each

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 :
(mean rounded to the nearest 0.05)

1.00

CLASS :

F



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

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

CSIRO

CARL STRAUTINS
TECHNICAL OFFICER

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