



Industrial Research Services

Materials Science & Engineering, Graham Road (PO Box 56), Highett, Victoria, Australia 3190
Telephone: 61 3 9252 6000 Facsimile: 61 3 9252 6244 Email: tiles@csiro.au Web: <http://www.cmse.csiro.au>

Registered Testing Authority - CSIRO

16 September 2011

Our Ref. EN13 / 1603 03/0212

TEST REPORT No. 5959.2As [Topaz 4m, vinyl sheet]

Requested by: Pegulan Floor Coverings Pty Ltd
14-16 Lakewood Boulevard
Braeside
VIC 3195
on (date): 2 September 2011
Manufacturer:
Product Desc.: Topaz 4m, vinyl sheet
1000x500mm

Sampling details:
Where: Delivered
Date: 2 September 2011
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 4 pages

SUMMARY OF SLIP RESISTANCE TESTS PERFORMED:

		Result	Class
AS/NZS 4586:2004	Slip resistance classification of new pedestrian surface materials Appendix A: WET Pendulum (Four S slider):		
	Mean BPN:	39	X [MEDIUM*]
AS/NZS 4586:2004	Slip resistance classification of new pedestrian surface materials, Appendix D: OIL-WET Ramp		
	Mean overall acceptance angle:	15.3°	R 10 [HIGH*]

* = CSIRO classification

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 4586:2004 (Appendix A)

Test Date: 5 September 2011

RESULTS:	Location:	Slip Resistance Laboratory	Rubber slider used: Four S
	Sample:	Unfixed	Conditioned with grade P400 paper, dry
	Cleaning:	Distilled water	
	Temperature:	23°C	

Pendulum Friction Tester: Munro-Stanley (S/N: 9234, calibrated 23/09/09)
 Test conducted by: Andy Giang

	Specimen				
	1	2	3	4	5
Last 3 swings	42	40	38	37	37
	41	40	38	37	37
	41	40	37	37	37
Averages	41	40	38	37	37

Mean BPN : 39

CLASS :

X [MEDIUM*]

* = CSIRO classification

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SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS

OIL-WET RAMP TEST METHOD

TEST CARRIED OUT IN ACCORDANCE WITH
AS/NZS 4586:2004 (Appendix D)

Test Date: 16 September 2011

Location: Slip Resistance Laboratory

Sample Fixed

Joint width: 0 mm

Surface structure:
 Smooth
 Profiled
 Structured

RESULTS

Mean overall acceptance angle: 15.3 °

Displacement space: not tested

CLASSIFICATION:

Slip Resistance Assessment Group:

R 10 [HIGH*]

Displacement Space Assessment Group:

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* = CSIRO classification

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Date and Place 16 September 2011, Highett, Vic

Name, Title and Digital Signature:



CSIRO

ANDY GIANG
Technical Officer
 Tel: 61 3 92526414
 Fax: 61 3 92526244
 Email: Andy.Giang@csiro.au

***CSIRO recommended classification of Slip Resistance as determined from:
 AS/NZS 4586: 2004 Slip Resistance Classification of New Pedestrian Surface Materials (Appendices A & D).**

Wet Pendulum Class	BPN 4S Rubber	CSIRO Class LOW	CSIRO Class MEDIUM	CSIRO Class HIGH
V	>54	54-57	58-61	>61
W	45-54	45-48	49-51	52-54
X	35-44	35-38	39-41	42-44
Y	25-34	25-28	29-31	32-34
Z	<25	<18	18-21	22-25
Oil Wet Ramp Class	Angle (degrees)	CSIRO Class LOW	CSIRO Class MEDIUM	CSIRO Class HIGH
R9	≥6 to <10	≥6 to 7.5	7.6 to 9	9.1 to 9.9
R10	≥10 to <19	≥10 to 12	12.1 to 15	15.1 to 18.9
R11	≥19 to <27	≥19 to 21	21.1 to 24	24.1 to 26.9
R12	≥27 to <35	≥27 to 29	29.1 to 32	32.1 to 34.9
R13	≥35	≥35 to 36	36.1 to 38	≥38.1

This table should not be read or relied upon without reference to the CSIRO/Standards Australia publication:
 AS/NZS 4586 Slip Resistance Classification of New Pedestrian Surface Materials (Appendices A & D).

CSIRO has categorized the AS4586 classifications into sub-groups Low, Medium & High. The slip resistance test classification is still determined according to AS 4586 Australian Standard (Appendices A & D). The added information of Low, Medium and High allows professionals to make a better judgement of pedestrian floor requirements.