

**ATTAR TEST REPORT NO: 08/2623**

15 October 2008

Total Pages: 2

SLIP RESISTANCE

Job No: M08/2623

Prepared For:

Dotmar Engineering Plastic Products Pty Ltd.
ATTENTION: Mr Chris Padman
3 / 29 Lysaght Street
ACACIA RIDGE QLD 4110

Subject:**WET/BAREFOOT TESTING OF SWIMMING POOL GRATINGS****Introduction:**

You supplied us with swimming pool gratings described made from Nuvex Polyethylene with the request to conduct Wet/Barefoot Ramp slip resistance testing to AS/NZS 4586: 2004 [1]¹ Appendix C.

Results:

The Wet/Barefoot Ramp testing was conducted by CSIRO and the full report is attached as Appendix 1. A summary of the test results is tabulated on the following page for your information.

¹ The numbers in square brackets refer to texts or documents listed in the Reference section of this Report.

This report may not be reproduced except in its entirety.

ATTAR TEST REPORT NO: 08/2623

15 October 2008

Total Pages: 2

Sample	Test	Results	
		Angle	Classification
Nuvex Polyethylene swimming pool gratings	Wet/Barefoot Ramp	26°	C

NOTE: Any specimens supplied will be disposed of in two (2) months time, unless otherwise instructed.

ATTAR


Marcus Braché
Senior Engineering Technician

References:

1. Australian and New Zealand Standard AS/NZS 4586: 2004 Slip Resistance Classification of New Pedestrian Surface Materials, Standards Australia, Sydney, NSW.

APPENDIX 1



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

7 October 2008

Our Ref. EN13 / 46 03/0212

TEST REPORT No. 4574s

Requested by: ATTAR
on (date): 3 October 2008
Manufacturer:
Product Desc.: Nuvox Polyethylene Swimming Pool Grating
1100x600
Sampling details:
Where: Delivered
Date: 3 October 2008
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 3 pages

SUMMARY OF SLIP RESISTANCE TESTS PERFORMED:

		Result	Class
AS/NZS 4586:2004	Slip resistance classification of new pedestrian surface materials		
	Appendix C: WET/BAREFOOT Ramp		
	Mean angle of inclination:	26°	C

* = 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.



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>

REPORT NO: 4574s
ISSUE DATE: 7 October 2008
MANUFACTURER:
PRODUCT DESC: Nuvox Polyethylene Swimming Pool Grating
1100x600

Page 2 of 3

SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS

WET/BAREFOOT RAMP TEST METHOD

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

Test Date: 7 October 2008

Location: Slip Resistance Laboratory

Sample Fixed

Joint width: 0 mm

Surface structure:
☐ Smooth
☐ Profiled
☒ Structured

RESULTS

		Actual mean	Reported mean
Mean angle of inclination:	Calibration Board A:	12.28 °	12 °
	Calibration Board B:	18.06 °	18 °
	Calibration Board C:	24.11 °	24 °
Mean angle of inclination of Test Board:		25.93 °	26 °

CLASSIFICATION:

Quality Group:

C



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>

REPORT NO: 4574s
ISSUE DATE: 7 October 2008
MANUFACTURER:
TILE DESC: Nuvex Polyethylene Swimming Pool Grating
1100x600

Page 3 of 3

Date and Place

7 October 2008,

Highett, Vic

Name, Title and Signature:

DAVID WEEKS

Technical Officer

Tel: 61 3 92526064

Fax: 61 3 92526011

Email: David.Weeks@csiro.au

CSIRO