



# 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

23 December 2010

Our Ref. EN13 / 1980 03/0212

## TEST REPORT No. 5643-4s

Requested by: MegaSealed Bathrooms Aust Pty Ltd  
PO Box 195  
Matraville  
NSW 2036

on (date): 23 December 2010

Manufacturer: MegaSealed Bathrooms Aust Pty Ltd

Product Desc.: Glazed floor tile, Code K843AG. Shade 112, White coating, Chemical Title Etchant 1  
300mm x 300mm

Sampling details:

Where: Delivered

Date: 23 December 2010

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 A: WET Pendulum (Four S slider):		
	Mean BPN:	29	Y [MEDIUM*]

\* = 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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 300mm x 300mm

**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: 23 December 2010

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

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

	Specimen				
	1	2	3	4	5
<b>Last 3 swings</b>	<b>32</b>	<b>29</b>	<b>25</b>	<b>32</b>	<b>29</b>
	<b>31</b>	<b>29</b>	<b>25</b>	<b>32</b>	<b>29</b>
	<b>30</b>	<b>29</b>	<b>25</b>	<b>32</b>	<b>29</b>
<b>Averages</b>	<b>31</b>	<b>29</b>	<b>25</b>	<b>32</b>	<b>29</b>

**Mean BPN : 29**

**CLASS :**

<b>Y [MEDIUM*]</b>
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\* = CSIRO classification

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 TILE DESC: Glazed floor tile, Code K843AG. Shade 112, White coating, Chemical Title Etchant 1  
 300mm x 300mm

Date and Place 23 December 2010, Highett, Vic

Name, Title and Signature:

**PETER WESTGATE**  
**Project Leader**  
 Tel: 61 3 92526108  
 Fax: 61 3 92526244  
 Email: Peter.Westgate@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.