



# 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**

13 March 2003

Our Ref. ES13 / 746

## TEST REPORT No. SY437-3

Requested by: The General Mat Company Pty Ltd  
on (date): 12 March 2003  
Manufacturer: The General Mat Company Pty Ltd  
Product Desc.: Waterhog - structured polypropylene textile mat.

Sampling details:  
Where: Delivered  
Date: 12 March 2003  
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 4586:1999	Slip resistance classification of new pedestrian surface materials Appendix A: WET Pendulum (Four S slider): Mean BPN:	57	V
AS/NZS 4586:1999	Slip resistance classification of new pedestrian surface materials Appendix A: WET Pendulum (TRRL slider): Mean BPN:	57	V

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: 13 March 2003

RESULTS: Location: North Ryde 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: Wessex (S/N: A9589), calibrated 24/9/03

	Specimen				
	1	2	3	4	5
Last 3 swings	55	55	56	56	61
	56	56	56	56	62
	56	56	55	56	62
Averages	56	56	56	56	62

Mean BPN : 57

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

### Comments:

The frictional properties between the matt and substrate were not evaluated. This test reflects the pedestrian slip resistance of the sample secured in position.



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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: 13 March 2003

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

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

	Specimen				
	1	2	3	4	5
<b>Last 3 swings</b>	<b>60</b>	<b>61</b>	<b>60</b>	<b>51</b>	<b>55</b>
	<b>60</b>	<b>61</b>	<b>59</b>	<b>51</b>	<b>55</b>
	<b>58</b>	<b>60</b>	<b>58</b>	<b>51</b>	<b>54</b>
<b>Averages</b>	<b>59</b>	<b>61</b>	<b>59</b>	<b>51</b>	<b>55</b>

Mean BPN : 57

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).

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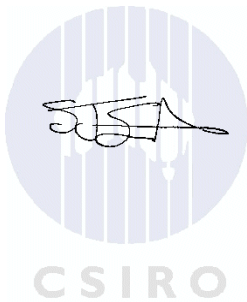
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Date and Place 13 March 2003, North Ryde, NSW.

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



**STEPHEN SMITH**  
**SENIOR LABORATORY TECHNICIAN**



**MICHAEL KING**  
**LABORATORY MANAGER**

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