



# Industrial Research Services

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Registered Testing Authority - CSIRO

3 September 2008

Our Ref. ES13 / 1609 03/0212

## TEST REPORT No. SY4529-3

Requested by: Drytreat Pty Ltd  
on (date): 26 June 2008  
Manufacturer: Drytreat Pty Ltd  
Product Desc.: JUPARANA COLOMBO granite sealed w/ Dry Treat Stain Proof Meta Creme 305mm x 305mm

### Sampling details:

Where: Delivered  
Date: 1 July 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 A: WET Pendulum (Four S slider): Mean BPN:	24	Z [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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REPORT NO: SY4529-3 Page 2 of 3  
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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: 4 August 2008

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: Stanley (S/N: 0312, calibrated 28/02/07)  
Test conducted by: Hugh McMullen

	Specimen				
	1	2	3	4	5
Last 3 swings	24	25	23	24	24
	23	24	23	24	24
	23	24	23	23	23
Averages	23	24	23	24	24

Mean BPN : 24

CLASS :

Z [HIGH\*]

\* = CSIRO classification

Comments:  
Treating the JUPARANA COLOMBO granite with Dry Treat Stain Proof Meta Creme did not reduce the slip resistance of the samples.

REPORT NO: 4529-3 Page 3 of 3  
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 MANUFACTURER: Drytreat Pty Ltd  
 TILE DESC: JUPARANA COLOMBO granite sealed w/ Dry Treat Stain Proof Meta Creme 305mm x 305mm

Date and Place 3 September 2008, North Ryde, NSW

Name, Title and Digital Signature:



**HUGH MCMULLEN**  
**Laboratory Manager**  
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**\*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.