



# Industrial Research Services

Manufacturing & Materials Technology, 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.cmmt.csiro.au

REPORT NO: 4043s  
ISSUE DATE: 29 August 2007  
MANUFACTURER: Stylus Tapes International  
PRODUCT DESC: Stylus 2660 Anti slip tape  
100mm width strips

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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: 28 August 2007

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

Pendulum Friction Tester: Stanley (S/N: 9234, calibrated 13/6/05)  
Test conducted by: David Weeks

	Specimen				
	1	2	3	4	5
<b>Last 3 swings</b>	<b>72</b>	<b>74</b>	<b>67</b>	<b>67</b>	<b>70</b>
	<b>72</b>	<b>73</b>	<b>68</b>	<b>68</b>	<b>71</b>
	<b>72</b>	<b>73</b>	<b>68</b>	<b>68</b>	<b>69</b>
<b>Averages</b>	<b>72</b>	<b>73</b>	<b>68</b>	<b>68</b>	<b>70</b>

Mean BPN : 70

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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## SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS

### DRY FLOOR FRICTION TEST METHOD

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

Test Date: 27 August 2007

RESULTS Location: Slip Resistance Laboratory  
Sample Sample Unfixed  
Cleaning: Dry el/static cloth  
Temperature: 23°C  
FFT measurements taken over 2 passes of 800mm each

Rubber Type: Four S  
Conditioned with grade P400 paper, dry

Floor Friction Tester: Tortus Mk II (S/N: 224)  
Test conducted by: Peter Westgate

Run 1: Average COF: 0.95  
Run 2: Average COF: 0.96  
Mean COF: 0.96

According to AS/NZS 4586 the Dry Coefficient of Friction shall be reported as :  
(mean rounded to the nearest 0.05)

0.95

CLASS :

F



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## 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: 29 August 2007

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:	11.56 °	12 °
	Calibration Board B:	18.68 °	19 °
	Calibration Board C:	25.27 °	25 °
Mean angle of inclination of Test Board:		33.84 °	34 °

### CLASSIFICATION:

Quality Group:

C



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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: 29 August 2007

Location: Slip Resistance Laboratory

Sample Fixed

Joint width: 0 mm

Surface structure:  Smooth  
 Profiled  
 Structured

### RESULTS

Mean overall acceptance angle: 36.2 °

Displacement space: not tested

### CLASSIFICATION:

Slip Resistance Assessment Group:

R 13

Displacement Space Assessment Group:

-



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Date and Place 29 August 2007, Highett, Vic

Name, Title and Signature:

A handwritten signature in black ink, appearing to read 'David Weeks', written over a large, faint, circular watermark of the CSIRO logo.

**DAVID WEEKS**  
Technical Officer

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

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