



# Infrastructure Technology

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**Registered Testing Authority - CSIRO**

17 June 2015

Our Ref. EN13 / 580 03/0212

## TEST REPORT No. 7408.5

Requested by: Armstrong World Industries Aust. Pty Ltd  
PO Box 109  
Mordialloc  
VIC 3195

on (date): 3 June 2015  
Manufacturer: Armstrong World Industries Aust. Pty Ltd  
Product Desc.: Luxury Vinyl Tile / Plank EC-C  
(Tested across the grain)

Sampling details:  
Where: Delivered  
Date: 3 June 2015  
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 4586:2013	Slip resistance classification of new pedestrian surface materials Appendix A: WET Pendulum (Slider 96):		
	Mean SRV:	43	P3
AS 4586:2013	Slip resistance classification of new pedestrian surface materials, Appendix D: OIL-WET Ramp		
	Corrected mean overall acceptance angle:	12°	R 10

In order to interpret the classifications, please refer to Standards Australia Handbook 198, 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 4586:2013 (Appendix A)

Test Date: 4 June 2015

RESULTS: Location: Slip Resistance Laboratory Slider used: 96  
Conditioned with grade P400 paper, dry  
and Imperial Lapping Film Grade 3MIC, wet  
Sample: Unfixed  
Cleaning: Deionized water  
Temperature: 23°C

Pendulum Friction Tester: Stanley (S/N: 0312, calibrated 03/06/2014)  
Test conducted by: Andy Giang

	Specimen				
	1	2	3	4	5
<b>Last 3 swings (BPN)</b>	44	44	42	43	43
	43	44	42	43	43
	43	44	42	43	43
<b>Averages</b>	43	44	42	43	43

**Mean SRV : 43**

**CLASS :**

**P3**

Where products are to be used in wet barefoot areas, it is more appropriate to test to Appendix C of AS 4586 (which is technically equivalent to DIN 51097).



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**SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS**

**OIL-WET RAMP TEST METHOD**

TEST CARRIED OUT IN ACCORDANCE WITH  
AS 4586:2013 (Appendix D)

Test Date: 5 June 2015

Location: Slip Resistance Laboratory Test conducted by: KH, AG

Sample Fixed

Joint width: 0 mm

Surface structure:  Smooth  
 Profiled  
 Structured

**RESULTS**

Corrected mean overall acceptance angle: 12 °

Displacement space: not tested

**CLASSIFICATION:**

**Slip Resistance Assessment Group:**

**R 10**

**Displacement Space Assessment Group:**

**-**

Test shoe used: Uvex Athletic



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Date and Place 17 June 2015, Highett, Vic

Name, Title and Digital Signature:



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