



Infrastructure Technology

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

5 August 2014

Our Ref. EN13 / 2279 03/0212

TEST REPORT No. 7116.25s

Requested by: Karndean International Pty Ltd
835 Stud Road
Knoxfield
VIC 3180
on (date): 17 July 2014
Manufacturer: Karndean DesignFlooring
Product Desc.: 'Opus' Tile

Sampling details:
Where: Delivered
Date: 17 July 2014
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 4586:2013	Slip resistance classification of new pedestrian surface materials Appendix A: WET Pendulum (Slider 96):		
	Mean SRV:	30	P2 (Y*)
		(*) = AS 4568:2004 classification	

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.



REPORT NO: 7116.25s
ISSUE DATE: 5 August 2014
MANUFACTURER: Karndean DesignFlooring
PRODUCT DESC: 'Opus' Tile

Page 2 of 3

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: 1 August 2014

RESULTS: Location: Slip Resistance Laboratory Slider used: 96
Sample: Unfixed Conditioned with grade P400 paper, dry
Cleaning: Deionized water
Temperature: 23.6°C

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

	Specimen				
	1	2	3	4	5
Last 3 swings (BPN)	34	31	29	29	27
	34	31	28	28	27
	34	31	28	28	27
Averages	34	31	28	28	27

Mean SRV : 30

CLASS :

P2 (Y*)

(*) = AS 4568:2004 classification



Infrastructure Technology

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>

REPORT NO: 7116.25s
ISSUE DATE: 5 August 2014
MANUFACTURER: Karndean DesignFlooring
TILE DESC: 'Opus' Tile

Page 3 of 3

Date and Place 5 August 2014, Highett, Vic

Name, Title and Digital Signature:

KHANH HO
Technical Officer
Tel: 61 3 92526119
Fax: 61 3 92526244
Email: Khanh.Ho@csiro.au
