



**Registered Testing Authority - CSIRO**

27 June 2017

Our Ref. EN13 / 1146 03/0212

**TEST REPORT No. 7916.1**

Requested by: Halifax Vogel Group  
29 Henderson Street  
Turrella  
NSW 2205

on (date): 15 May 2017

Manufacturer: HVG

Product Desc.: SAVANNA #018001, OFG

Sampling details:

Where: At customer premises

Date: 15 May 2017

By whom: Customer

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 TEST METHOD: Mean SRV:	80	P5
AS 4586:2013 (Amendment No. 1)	Slip resistance classification of new pedestrian surface materials, Appendix D: OIL-WET INCLINING PLATFORM TEST METHOD Corrected mean overall acceptance angle:	35°	R 13

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: 7916.1  
ISSUE DATE: 27 June 2017  
MANUFACTURER: HVG  
PRODUCT DESC: SAVANNA #018001, OFG

Page 2 of 4

**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: 22 June 2017

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: 22°C

Pendulum Friction Tester: ERM.030.001 (S/N: 0312, calibrated 16/06/2016)  
Test conducted by: Andy Giang

	Specimen				
	1	2	3	4	5
Last 3 swings (BPN)	81	80	79	80	82
	81	79	78	79	81
	81	79	78	78	81
Averages	81	79	78	79	81

Mean SRV : 80

CLASS : 

P5
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REPORT NO: 7916.1  
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PRODUCT DESC: SAVANNA #018001, OFG

Page 3 of 4

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

**OIL-WET INCLINING PLATFORM TEST METHOD**

TEST CARRIED OUT IN ACCORDANCE WITH  
AS 4586:2013 (Appendix D) (Amendment No. 1)

Test Date: 16 June 2017

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

Sample Unfixed

Joint width: 0 mm

Surface structure:  Smooth  
 Profiled  
 Structured

**RESULTS**

Corrected mean overall acceptance angle: 35 °

Displacement space: not tested

**CLASSIFICATION:**

**Slip Resistance Assessment Group:**

R 13

**Displacement Space Assessment Group:**

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Test shoe used: Leipzig V73-SP



## **Infrastructure Technologies**

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Page 4 of 4

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Date and Place 27 June 2017, Clayton, Vic

Name, Title and Signature:

A large, light gray watermark of the CSIRO logo is centered on the page. It consists of a circle containing the stylized vertical bars and the word "CSIRO" in a large, bold, sans-serif font.

**ANDY GIANG**  
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