



## Infrastructure Technologies

Gate 5, 2 Normanby Road Clayton VIC 3168, Australia  
Telephone: 61 3 9545 2777 Web: <http://www.csiro.au>

**Registered Testing Authority - CSIRO**

23 August 2019

Our Ref. EN13 / 2621 03/0212

### TEST REPORT No. 8268

Requested by: CREATIVE GRAPHIC SUPPLIES  
22/1029 MANLY ROAD  
TINGALRA  
QLD 4173  
on (date): 30 May 2019  
Manufacturer:  
Product Desc.: DULL POLISH FLOOR VINYL 200mic PVC TEXTURED.

Sampling details:  
Where: At customer premises  
Date: 17 June 2019  
By whom: Customer (delivered by 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 9 pages



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**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 (Slider 96) Mean SRV: Appendix B: DRY FLOOR FRICTION TEST METHOD Mean COF: Appendix A,B: Dual classification:	45 0.70	P4 D1 P4 ,D1
AS 4586:2013	Slip resistance classification of new pedestrian surface materials Appendix A: WET PENDULUM TEST METHOD (SL 55). Mean SRV: Appendix B: DRY (FFT). Mean COF: Appendix A,B: Dual classification:	27 0.70	P2 D1 P2,D1
AS 4586:2013	Slip resistance classification of new pedestrian surface materials Appendix C: WET-BAREFOOT INCLINING PLATFORM TEST METHOD Mean angle of inclination:	11°	A
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:	15°	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.



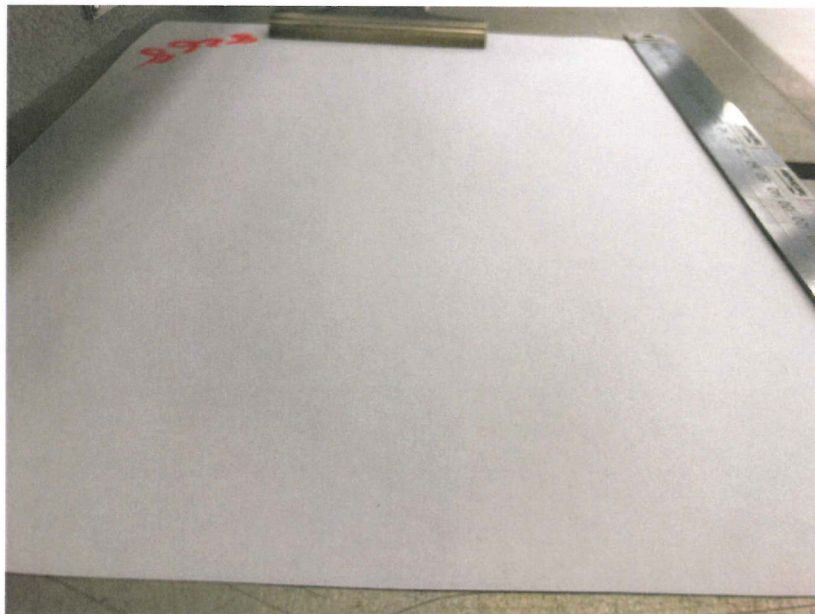
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PHOTOS:



Top view



Close up





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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: 23 August 2019

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:	21.3°C	

Pendulum Friction Tester: ERM 030.040 (S/N: 1726, calibrated 07/09/18), S 96 serial #: 87 (expired on 20/2/2020)  
Test conducted by: Khanh Ho

	Specimen				
	1	2	3	4	5
<b>Last 3 swings (BPN)</b>	<b>46</b>	<b>42</b>	<b>44</b>	<b>46</b>	<b>46</b>
	<b>47</b>	<b>42</b>	<b>43</b>	<b>46</b>	<b>47</b>
	<b>47</b>	<b>42</b>	<b>42</b>	<b>46</b>	<b>47</b>
<b>Averages</b>	<b>47</b>	<b>42</b>	<b>43</b>	<b>46</b>	<b>47</b>

**Mean SRV : 45**

**CLASS :**

**P4**



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

**WET PENDULUM TEST METHOD**

TEST CARRIED OUT ACCORDING TO  
AS 4586:2013 (Appendix A)

Test Date: 23 August 2019

RESULTS: Location: Slip Resistance Laboratory  
Slider 55 - conditioned with: grade P400 paper, dry and Imperial Lapping Film Grade 3MIC, wet  
Sample: Unfixed  
Cleaning: Deionized water  
Temperature: 21.3°C

Pendulum Friction Tester: ERM 030.040 (S/N: 1726, calibrated 07/09/18), S 55 serial #: 11 (expired on 28/1/2020)  
Test conducted by: Khanh Ho

	Specimen				
	1	2	3	4	5
<b>Last 3 swings (BPN)</b>	<b>24</b>	<b>28</b>	<b>31</b>	<b>26</b>	<b>26</b>
	<b>24</b>	<b>28</b>	<b>31</b>	<b>26</b>	<b>26</b>
	<b>24</b>	<b>28</b>	<b>32</b>	<b>26</b>	<b>26</b>
<b>Averages</b>	<b>24</b>	<b>28</b>	<b>31</b>	<b>26</b>	<b>26</b>

**Mean SRV : 27**

**CLASS :**

**P2**



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

**DRY FLOOR FRICTION TEST METHOD**

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

Test Date: 22 August 2019

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RESULTS	Location:	Slip Resistance Laboratory	Slider 96
	Sample	Sample Unfixed	Conditioned with grade P400 paper, dry
	Cleaning:	Deionized water	
	Temperature:	21.3°C	
	FFT measurements taken over 2 passes of 800mm each		

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

**Run 1: Average COF: 0.70**  
**Run 2: Average COF: 0.71**  
**Mean COF: 0.71**

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

**0.70**

**CLASS :**

**D1**

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

**WET-BAREFOOT INCLINING PLATFORM TEST METHOD**

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

Test Date: 9 August 2019

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

Sample Fixed

Joint width: 0 mm

Surface structure:             Smooth  
                                       Profiled  
                                       Structured

**RESULTS**

	<b>Critical angle mean</b>	<b>Reported mean</b>
<b>Mean angle of inclination:</b>		
<b>Verification Board WB-A:</b>	<b>11.02 °</b>	<b>11 °</b>
<b>Verification Board WB-B:</b>	<b>18.37 °</b>	<b>18 °</b>
<b>Verification Board WB-C:</b>	<b>24.93 °</b>	<b>24 °</b>
<b>Mean angle of inclination of Test Board:</b>	<b>11.06 °</b>	<b>11 °</b>

**CLASSIFICATION:**

**Quality Group:**

**A**

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**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: 17 July 2019

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

Sample Fixed

Joint width: 0 mm

Surface structure:             Smooth  
                                       Profiled  
                                       Structured

**RESULTS**

**Corrected mean overall acceptance angle: 15 °**

**Displacement space: not tested**

**CLASSIFICATION: Slip Resistance Assessment Group:**

**R 10**

**Displacement Space Assessment Group:**

**-**

Test shoe used: Leipzig V73-SP

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Date and Place 23 August 2019, Clayton, Vic

Name, Title and Digital Signature:

A handwritten signature in black ink, appearing to read "Khanh Ho", written over a circular, light-colored watermark or seal.

**KHANH HO**  
**Technical Officer**  
Tel: 61 3 95452777  
Email: [Khanh.Ho@csiro.au](mailto:Khanh.Ho@csiro.au)