

Slip Check to AS 4586-2013

Perma Timber 146 Heavy Grain Decking

Report Number: M1488

Report Date: 17 January 2023

Total Number of Pages 2

Accredited for compliance with ISO/IEC 17025 – Testing

NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration, inspection, proficiency testing scheme providers and reference materials producers reports and certificates

Issued by

Safe Environments Pty Limited
Unit 4, 40 Bessemer Street
Blacktown NSW 2148

Prepared for

Perma Composites Pty Ltd
14 Garino Rise
Wangara WA 6065

Approved by


Dylan Anderson
Authorised Signatory

17 January 2023

Test Report No. M1488

Slip Resistance Classification of New Pedestrian Surface Materials

AS 4586-2013 Appendix A (Wet Pendulum Test)

The slip resistance classification has been determined for unused surfaces under specific conditions. Factors such as usage, cleaning systems, applied coatings and patterns of wear may affect the characteristics of the surface after classification. Standards Australia Handbook 198:2014 *Guide to the specification and testing of slip resistance of pedestrian surfaces* provides guidance for the selection of slip resistant pedestrian surfaces classified in accordance with AS 4586-2013. It is recommended that this test report be read in conjunction with AS 4586, HB 197 & HB 198.

Requested by: Perma Composites Pty Ltd
Client Address: 14 Garino Rise
Wangara WA 6065
Product Manufacturer: Perma Composites
Product Description: Perma Timber 146 Heavy Grain Decking

Test conducted according to: AS 4586:2013 Appendix A
Sampling Procedures: Performed by client and tested as received.
Location: 25/1 Millers Road, Brooklyn VIC 3012
Conducted by: Nasser Cura

Date: 13 January 2023
Sample: Unfixed
Rubber slider used: Slider 55
Slope of specimen: Tested on a flat level surface
Direction of Test: With Profile

Temperature: 27°C
Cleaning: None
Conditioned: Grade P 400 paper dry followed by wet lapping film

	Specimen 1	Specimen 2	Specimen 3	Specimen 4	Specimen 5
Mean BPN of last 3 swings:	46	43	55	57	54

Reported SRV of Sample:	51
Temperature Corrected SRV of Sample:	53
Class:	P5

The expanded uncertainty (U_{95}) at the 95% level of confidence with a coverage factor (k) of 2 has been estimated to be 3 BPN or 8 %, whichever is the greater; sampling uncertainty has not been included. The expanded uncertainty should be considered when interpreting results or assessing conformity. Results relate only to items tested.

Slip Check to AS 4586-2013 Perma Timber 146 Heavy Grain Decking

Report Number: M1483-2

Report Date: 10 January 2023

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Issued by

Safe Environments Pty Limited
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Prepared for

Perma Composites Pty Ltd
14 Garino Rise
Wangara WA 6065

Approved by


Connor Murphy
Authorised Signatory

10 January 2023

Test Report No. M1483-2

Slip Resistance Classification of New Pedestrian Surface Materials

AS 4586-2013 Appendix B (Dry Floor Friction Test)

The slip resistance classification has been determined for unused surfaces under specific conditions. Factors such as usage, cleaning systems, applied coatings and patterns of wear may affect the characteristics of the surface after classification. Standards Australia Handbook 198:2014 *Guide to the specification and testing of slip resistance of pedestrian surfaces* provides guidance for the selection of slip resistant pedestrian surfaces classified in accordance with AS 4586-2013. It is recommended that this test report be read in conjunction with AS 4586 and HB 198.

Requested by: Perma Composites Pty Ltd
Client Address: 14 Garino Rise
Wangara WA 6065
Product Manufacturer: Perma Composites
Product Description: Perma Timber 146 Heavy Grain Decking

Test conducted according to: AS 4586-2013 Appendix B
Sampling Procedures: Performed by client and tested as received.
Location: 25/1 Millers Road, Brooklyn VIC 3012
Conducted by: Billal Emritte

Date: 09 January 2023
Sample: Unfixed
Rubber slider used: Slider 96
Slope of Specimen: Tested on a flat level surface

Temperature: 28°C
Cleaning: None
Conditioned: Grade P 400 paper dry
Direction of Test: With profile

Individual measurements	#1	#2	#3	#4	#5	#6	#7	#8
Run 1	0.42	0.58	0.57	0.42	0.40	0.40	0.55	0.61
Run 2	0.59	0.64	0.63	0.55	0.52	0.66	0.69	0.63

Cumulative run length 800 mm each	Run 1	Run 2
Average Coefficient of Friction (COF)	0.49	0.61

Reported COF for Test Sample: 0.55 (Rounded to the nearest 0.05)

Class: D1

The expanded uncertainty (U_{95}) at the 95% level of confidence with a coverage factor (k) of 2 has been estimated to be 0.09 CoF; sampling uncertainty has not been included. The expanded uncertainty should be considered when interpreting results or assessing conformity. Results relate only to items tested.