

Slip Check to AS 4586-2013 WPM 909

Report Number: R29586

Report Date: 7 September 2023

Total Number of Pages 4

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Issued by

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

Prepared for

Ardex Australia Pty Ltd
7/20 Powers Road
Seven Hills NSW 2147

Approved by



Nasser Cura
Authorised Signatory

7 September 2023

Test Report No. R29586

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: Ardex Australia Pty Ltd
 Client Address: 7/20 Powers Road
 Seven Hills NSW 2147
 Product Manufacturer: Supplied by Ardex Australia Pty Ltd
 Product Description: WPM 909

Test conducted according to: AS 4586:2013 Appendix A
 Sampling Procedures: Performed by client and tested as received.
 Location: 4/40 Bessemer Street, Blacktown NSW 2148
 Conducted by: Connor Murphy

Date: 06 September 2023 Temperature: 20°C
 Sample: Unfixed Cleaning: None
 Rubber slider used: Slider 96 Conditioned: Grade P 400 paper dry followed
 Slope of specimen: Tested on a flat level surface by wet lapping film
 Direction of Test: N/A

	Specimen 1	Specimen 2	Specimen 3	Specimen 4	Specimen 5
Mean BPN of last 3 swings:	55	56	56	56	55

Reported SRV of Sample:	56
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.

7 September 2023

Test Report No. R29586

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: Ardex Australia Pty Ltd
 Client Address: 7/20 Powers Road
 Seven Hills NSW 2147
 Product Manufacturer: Supplied by Ardex Australia Pty Ltd
 Product Description: WPM 909

Test conducted according to: AS 4586:2013 Appendix A
 Sampling Procedures: Performed by client and tested as received.
 Location: 4/40 Bessemer Street, Blacktown NSW 2148
 Conducted by: Connor Murphy

Date: 06 September 2023 Temperature: 20°C
 Sample: Unfixed Cleaning: None
 Rubber slider used: Slider 55 Conditioned: Grade P 400 paper dry followed
 Slope of specimen: Tested on a flat level surface by wet lapping film
 Direction of Test: N/A

	Specimen 1	Specimen 2	Specimen 3	Specimen 4	Specimen 5
Mean BPN of last 3 swings:	54	54	54	55	53

Reported SRV of Sample:	54
Temperature Corrected SRV of Sample:	54
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.

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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: Ardex Australia Pty Ltd
 Client Address: 7/20 Powers Road
 Seven Hills NSW 2147
 Product Manufacturer: Supplied by Ardex Australia Pty Ltd
 Product Description: WPM 909

Test conducted according to: AS 4586-2013 Appendix B
 Sampling Procedures: Performed by client and tested as received.
 Location: 4/40 Bessemer Street, Blacktown NSW 2148
 Conducted by: Connor Murphy

Date: 06 September 2023 Temperature: 20°C
 Sample: Unfixed Cleaning: None
 Rubber slider used: Slider 96 Conditioned: Grade P 400 paper dry
 Slope of Specimen: Tested on a flat level surface Direction of Test: N/A

Individual measurements	#1	#2	#3	#4	#5	#6	#7	#8
Run 1	0.90	0.90	0.89	0.88	0.88	0.85	0.84	0.84
Run 2	0.91	0.90	0.90	0.87	0.88	0.84	0.85	0.83

Cumulative run length 800 mm each	Run 1	Run 2
Average Coefficient of Friction (COF)	0.87	0.87

Reported COF for Test Sample: 0.85 (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.

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