

## Slip Check to AS 4586-2013 Blaze Collection

**Report Number: R19969a**

**Report Date: 6 December 2019**

**Total Number of Pages 3**

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**Issued by**

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**Prepared for**

ATLAS Concorde  
Canaletto 141 Spezzano (MO)

**Approved by**



Nasser Cura  
Authorised Signatory

6 December 2019

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## 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 using 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: ATLAS Concorde  
 Client Address: Canaletto 141 Spezzano (MO)  
 Product Manufacturer: Atlas Concorde  
 Product Description: Blaze Collection

Test conducted according to: AS 4586:2013 Appendix A  
 Location: 4/40 Bessemer Street, Blacktown NSW 2148  
 Conducted by: Yuliana Vargolomova

Date: 02 December 2019      Temperature: 22-25°C  
 Sample: Unfixed      Cleaning: None  
 Rubber slider used: Slider 96      Conditioned: Grade P 400 paper dry followed by wet lapping film  
 Slope of specimen: Tested on a flat level surface  
 Direction of Test: NA

	Specimen 1	Specimen 2	Specimen 3	Specimen 4	Specimen 5
Mean BPN of last 3 swings:	51	51	50	50	49

<b>Reported SRV of Sample:</b>	<b>50</b>
<b>Class:</b>	<b>P4</b>

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## Accelerated Wear Slip Resistance Test

AS 4586-2013 Appendix A: incorporating accelerated wear conditioning to evaluate in-service wear

The purpose of the accelerated wear condition is to assist specifiers to better understand how the slip resistance of an individual product may alter with wear, thus helping to differentiate between products that might otherwise have seemingly similar slip resistance characteristics. AS 4586 does not provide guidance on the conduct of such accelerated wear tests; however, Appendix A3 states that “if a product Standard or specification contains a requirement for the permanence of slip resistance, this requirement shall be determined after the appropriate accelerated again or wear testing procedure”. The conditioning protocol primarily used within industry is based on method developed by Strautins<sup>1</sup>. The results are intended to be used as an informative guide to the selection of surfaces within a quality management system; please refer to AS 4586, HB 198 and Strautins (2008) for further information.

Test Method: AS 4586 Appendix A:  
Test sample description, operating and equipment parameters outlined on previous page

Sample Preparation: Safe Environments in-house SOP – Accelerated Wear Slip Testing

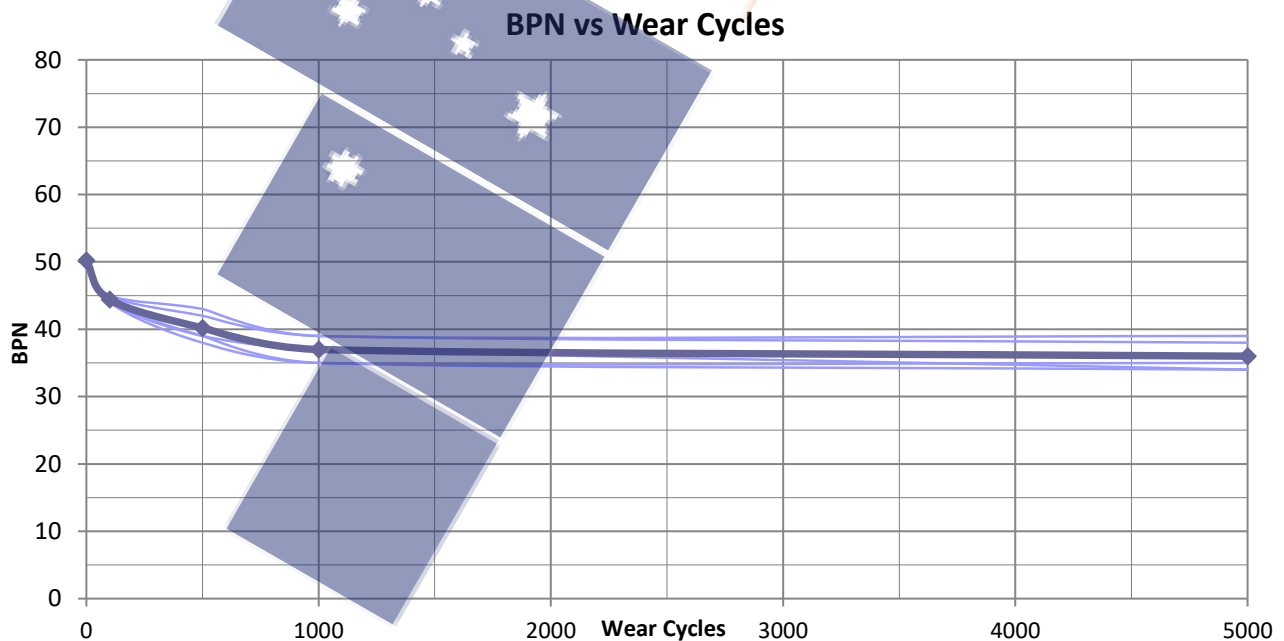
Abrasive pad: 3M Scotchbrite Heavy Duty Scour Pad No. 86 (water wet)

Machine: Gardco D12VFI washability and wear-testing machine

Mass of friction boat: 1000 ±50g Area: 100 ±10mm x 100 ±10mm

Cycle Rate: 50 ±5 cycles per min Path length: 300 ±50 mm

Wear Cycles	Specimen 1	Specimen 2	Specimen 3	Specimen 4	Specimen 5	Mean	Class
0	51	51	50	50	49	50	P4
100	44	45	45	44	44	44	P3
500	38	42	43	39	39	40	P3
1000	35	39	39	37	35	37	P3
5000	35	38	39	34	34	36	P3



<sup>1</sup> Strautins, Carl J (2008) ‘Sustainable Slip Resistance: An Opportunity for Innovation’, Qualicer ’08, Xth World Congress on Ceramic Tile Quality, Castellon Spain. Publication available upon request.

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