

Accelerated Wear Slip Test P3147:120:BPS

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27 October 2010

Test Report No. R1712b

Slip Resistance Classification of New Pedestrian Surface Materials

AS/NZS 4586:2004 Appendix A (Wet Pendulum Test)

Note: Please refer to Standards Australia Handbook 197:1999, *An introductory guide to the slip resistance of pedestrian surface materials* for guidance on the interpretation of these results. This report relies on the samples and information provided by the client. Safe Environments Pty Ltd cannot accept responsibility for the actions taken due to the information provided within this report. The slip resistance of new surfaces can change significantly by processes including but not limited to; installation, surface treatments, maintenance, wear and contamination. Safe Environments can provide accelerated wear testing to assess sustainable slip resistance. Regular slip resistance testing of product batches and the installed surface is recommended to assess potential changes in slip resistance.

Requested by: Pebblecrete In-situ Pty Ltd
Client Address: 238 Woodpark Road
Smithfield NSW 2164
Product Manufacturer: Pebblecrete In-situ
Product Description: P3147:120:BPS

Test conducted according to: AS/NZS 4586:2004 Appendix A
Location: Slip Check Pty Ltd Test Facilities, Seven Hills NSW
Conducted by: Martin Daniel

Date: 27 October 2010 Temperature: 22°C
Sample: Unfixed Cleaning: Water
Rubber slider used: Four S Conditioned: Grade P 400 paper dry

	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
Mean BPN of last 3 swings:	49	46	47	46	48

Mean BPN of Sample:	47
Class:	W



Carl Strautins
Principal Materials Scientist

27 October 2010

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Accelerated Wear Slip Resistance Test

Test methodology equivalent to AS/NZS 4586:2004 Appendix A (Wet Pendulum Test) (modified)

This conditioning method is useful to assess the propensity of a tile to drop in slip resistance, not to accurately predict the long term sustainable slip resistance which is affected by processes including but not limited to; installation, surface treatments, maintenance, wear and contamination. Regular monitoring is recommended to assess changes in slip resistance. This Test Report be read in conjunction with the paper presented at Qualicer '08, world congress on quality ceramic tiling titled "Sustainable Slip Resistance: An opportunity for innovation" available from Slip Check Pty Ltd. The test results are intended to be used as an informative guide to the selection of surfaces within a quality management system.

Requested by: Pebblecrete In-situ Pty Ltd
Product Manufacturer: Pebblecrete In-situ
Product Description: P3147:120:BPS

Specimens conditioned using a Gardco D12VFI washability and wear-testing machine

Mass of friction boat: 1000g Area: 100mm x 100mm
Cycle Rate: 50 cycles per min Path length: 300mm
Abrasive pad: 3M Scotchbrite Heavy Duty Scour Pad No. 86 (water wet)

Pendulum Testing conducted under same conditions and equipment as page 1 of this report

Wear Cycles	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Mean	Class
0	49	46	47	46	48	47	W
100	49	48	48	46	48	48	W
500	48	46	46	45	46	46	W
1000	46	44	44	44	44	44	X
5000	42	41	42	41	39	41	X

