

**Accelerated Wear Slip Test  
PROFESSIONAL CERAMIC,  
1 Coat Professional Adhesion Primer  
1 Coat Professional Ceramic Armor  
1 Coat Professional Ceramic Satin Shield,  
Prepared Sample, 300 x 600mm**

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20 May 2009

## Test Report No. R654

### 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: Global Safe Technologies (Aust) Pty Ltd  
Product Manufacturer: Wemax (by KraGil)  
Product Description: PROFESSIONAL CERAMIC,  
1 Coat Professional Adhesion Primer  
1 Coat Professional Ceramic Armor  
1 Coat Professional Ceramic Satin Shield,  
Prepared Sample, 300 x 600mm

Test conducted according to: AS/NZS 4586:2004 Appendix A  
Location: Slip Check Pty Ltd Test Facilities, Seven Hills NSW 2147.  
Pendulum Friction Tester: Stanley London (SN 0601; Calibrated 6 February 2008)  
Conducted by: Carl Strautins

Date: 20 May 2009      Temperature: 19°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:	50	50	53	49	49

<b>Mean BPN of Sample:</b>	<b>50</b>
<b>Class:</b>	<b>W</b>



Carl Strautins  
**Principal Materials Scientist**

20 May 2009

## Test Report No. R654

### 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.

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*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	50	50	53	-	-	51	W
100	43	42	44	-	-	43	X
500	40	39	39	-	-	39	X
1000	39	38	39	-	-	39	X
5000	37	35	36	-	-	36	X

