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VOBSTER



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39321/F

Date of Receipt
 22/10/08

Date of Test
 23/10/08

SLIP RESISTANCE TESTING USING THE PENDULUM TESTER
 BS 7976:Part 2:2002

Project:	Paving Stone
Rubber Slider Type:	'96' (formerly 4S)
Material Under Test:	150 x 145 x 30mm Wet Cast Bath Concrete (WB-05) Fine Acid Etched C35

Sandberg Sample Ref.	Surface Finish	Surface Roughness ¹ R _z , µm	Surface Temperature, °C	Orientation	Pendulum Test Value (mean)	
					Dry	Wet
F70995/P1	Acid Etched	101	21	A	74	66
				90° to A	75	65

The TRL pendulum tester has a range of readings from 0 to 150, high values indicating good slip resistance. Guidance on the interpretation of results using the Four S Slider is suggested by the UK Slip Resistance Group² as follows:-

Potential For Slip	Pendulum Test Value
High	0 to 24
Moderate	25 to 35
Low	36+

The surface roughness measurements are a guide to slip resistance particularly in borderline regions. It is recognised that increased roughness of the floor surface can give an improvement in slip resistance in wet conditions. Surfaces contaminated with pure water generally require a surface roughness of at least 10µm R_z to provide a moderate level of slip resistance and at least 20µm R_z to indicate low slip potential: more viscous contaminants require higher surface roughness. Roughness measurements should not be solely relied upon to evaluate the potential slip resistance of a floor.

Client	Vobster Cast Stone Co. Limited Newbury Works Coleford Radstock Somerset BA3 5RX	Signed	For Sandberg LLP
	For the attention of Mr T Brewster	Name	Richard Rogerson
		Position	Department Manager
Reference	13K/TB	Date	28 October 2008

The results reported here relate to the surface as tested. It should be noted however that the slip resistance of surfaces in services can be changed by various factors such as abrasion, polishing and contamination. Overall assessment of the potential for slip should take into account conditions of use and the environment, in addition to test results. Opinions and interpretation expressed herein are outside the scope of UKAS accreditation. Materials, samples and test specimens are retained for a period of 2 months from the issue of this test certificate

- 1 Surface roughness is not covered by our UKAS accreditation.
- 2 The measurement of floor slip resistance guidelines recommended by the UK Slip Resistance Group, Issue 3, 2005.