

Measurement of Floor Slip Resistance

UKSRG Issue 3 – October 2005

Job No 280687 – Forest Pennant Paving

Client Details	Quality Surface Solutions Limited		
	Construction House, 54 Putnoe Lane, Bedford, MK41 9AF		
Contact Name	Chris Browne		
Order Reference	None provided	Order Date	12/8/09

Sample Details			
Sample Type	Pennant paving slab QSTONE impregnated	No Samples Received	1
Sampled By	Client	Sampling Date	Not advised
STATS Batch No	9583	No Samples Tested	1
Receipt Date	12/8/09	Test Date	17/8/09

Methods	
Preparation	Tested as received
Test	UKSRG Issue 3 2005
Deviations	None
Specification	UKSRG Issue 3 2005, Table 4 (Surface Roughness) and Table 5 (Pendulum)
Acceptance Criteria	See <i>Table 4</i> on page 2

Results

The detailed results are given in *Table 2* (Pendulum testing) and *Table 3* (Surface roughness) on page 2. These are summarised as follows:

Table 1. Results Summary

Test and conditions	Mean Value	UKSRG Slip Potential
Pendulum Tester, Dry	74	Low
Pendulum Tester, Wet	71	Low
Surface Roughness*	69	Low

* Surface roughness measurement is considered indicative only of the likely performance in wet or contaminated conditions (UKSRG Issue 3 Section 5)

Surfaces with Low slip potential are generally considered safe for pedestrian traffic

Assessment against criteria

See *Table 1*:

Certification

Certificate prepared by



Dr Ian G Blanchard
Senior Consultant

Certificate reviewed by



Dr Ian Sims
Director

Tested by

IGB

Certificate issue date

15-Oct-09

The results given in this certificate relate only to those samples submitted and specimens tested and to any materials properly represented by those samples and specimens. Any opinions and interpretations are outside the scope of UKAS accreditation

DETAILED RESULTS

Table 2: Determined Slip Resistance Values from Pendulum Tester

Finish:

Sample name and other details	Determination					
	1	2	3	4	5	6
	Surface Dry			Surface Wet		
Pennant paving slab QSTONE impregnated	71	75	74	71	72	70
	72	75	74	70	73	70
	72	75	74	70	72	70
	72	75	74	70	73	70
Mean	72	75	74	70	73	70
Overall Mean	74			71		
Classification*	Low			Low		

*Classification using 4S rubber slider (See Table 4 below)

Table 3: Rz µm Surface Roughness Determination (Random Direction)

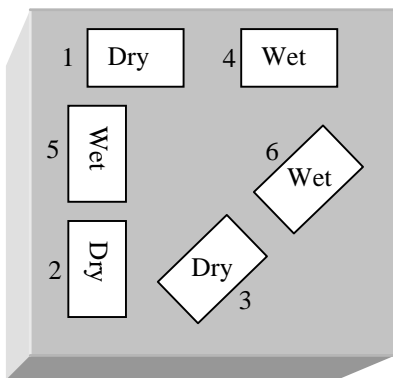
1	2	3	4	5	6	7	8	9	10	Mean
62.2	59.7	92.3	70.4	60.4	77.1	55.7	59.5	62.2	89.8	68.9
Classification**										Low

**Classification using surface roughness (See Table 4 below)

Table 4: UKSRG Slip Potential Classification

Four S Pendulum Value	Surface Roughness	Potential for Slip
24 and below	Below 10	High
25 to 35	Between 10 and 20	Moderate
36 and above	Above 20	Low

Figure 1: Approximate orientation of tests assuming 500 mm square sample



Illustrative diagram only

End of Certificate