



SLIP RESISTANCE TESTING USING THE PENDULUM TESTER
BS 7976:Part 2:2002+A1:2013

Project:	Decking
Rubber Slider Type:	'55' (formerly TRL) ¹
Material Under Test:	Thermo Pine

Sandberg Sample Ref.	Surface Finish	Surface Roughness ² R _z , µm	Surface Temperature, dry/wet, °C	Orientation	Pendulum Test Value (mean) ³	
					Dry	Wet
F94717	as received	21.9	25/25	Along	92	46
			25/25	@ 45°	96	54
			25/25	Across	98	50

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 '55' Slider is suggested by the UK Slip Resistance Group³ 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 recognised² 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	Alfresco Floors Ltd Unit 6 Teddington Business Park Station Road Teddington Middlesex, TW11 9BQ For the attention of Helen King	Signed	For Sandberg LLP
		Name	Richard Rogerson
		Position	Department Manager
Reference	email Helen King 30/7/18	Date	3 August 2018

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 Slider 55 is used when the surface roughness is greater than normally found in internal flooring situations or where pedestrians would be barefoot.
- 2 The Assessment of Floor Slip Resistance - The UK Slip Resistance Group Guidelines Issue 4 - 2011
- 3 Temperature corrected