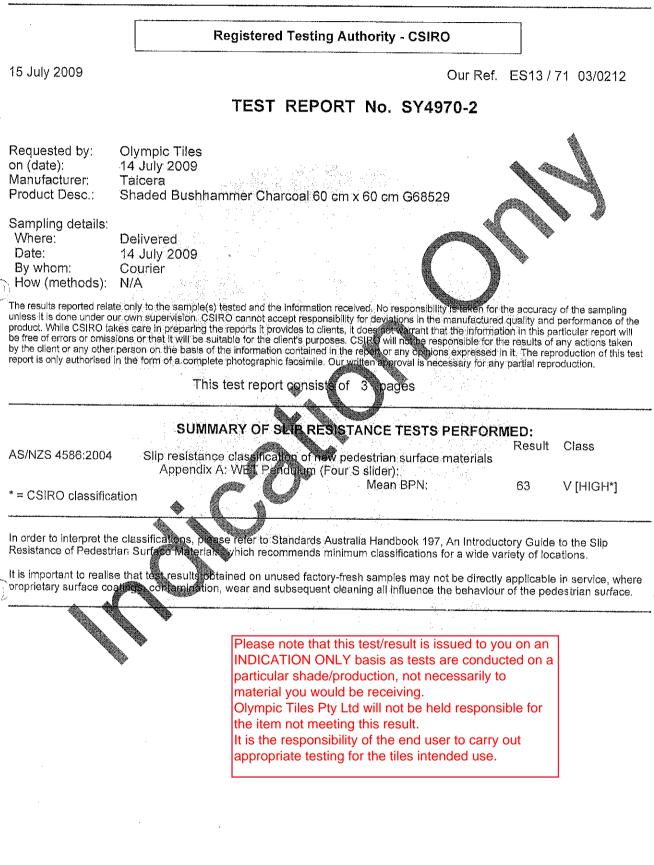


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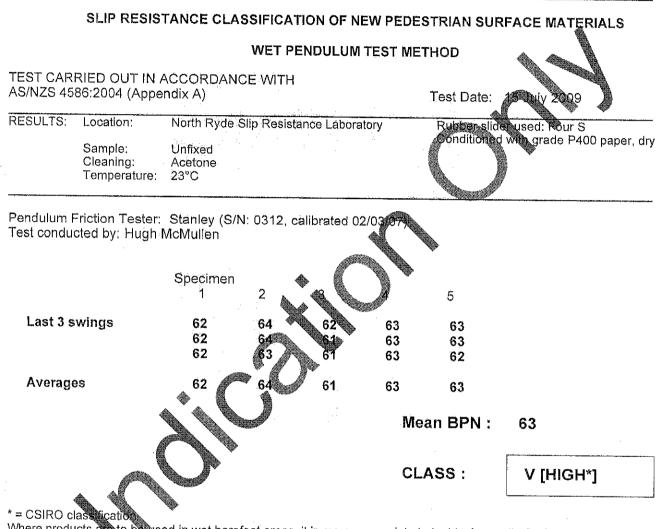




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Where products are to be used in wet barefoot areas, it is more appropriate to test to Appendix C of AS/NZS 4586 (which is technically equivalent to DIN 51097).



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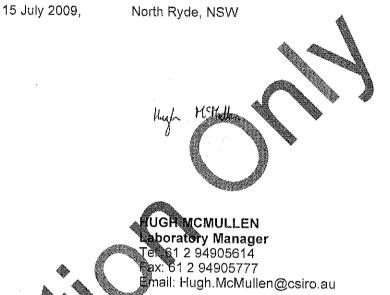
 MANUFACTURER:
 Taicera

 TILE DESC:
 Shaded Bushhammer Charcoal 60 cm x 60 cm G68529

 Date and Place
 15 July 2009

 North Ryde
 NSW

Name, Title and Digital Signature:



*CSIRO recommended classification of Shp Resistance as determined from: AS/NZS 4586: 2004 Slip Resistance Classification of New Pedestrian Surface Materials (Appendices A & D).

RO CSIRO EDIUM Class HIGH	CSIRO Class LOW	BPN 4S Rubber	Wet Pendulum Class
31 >61	54-57	\$54	V
51 52-54	45-48	45 64	W
42-44	35-38	35-44	Х
31 32-34	25-28	25 🙀 📎	Y
21 22-25	<18	<25	Z
RO CSIRO EDIUM Class HIGH	CSIRO Class LOW	Angle (degrees)	Oil Wet Ramp Class
to 9 9.1 to 9.9	≥6 to 7.5	≫⊵6 to <10	R9 🍾 🔨
to 15 15.1 to 18.9	≥10 to 12	≥10 to <19	R10
to 24 24.1 to 26.9	≥19 to 21	[™] ≥19 to <27	R11
to 32 32,1 to 34,9	≥27 to 29	≥27 to <35	R12 🖤
to 38 >38.1	≥35 to 36	≥35	
to 38	≥35 to 36		R13 This table should

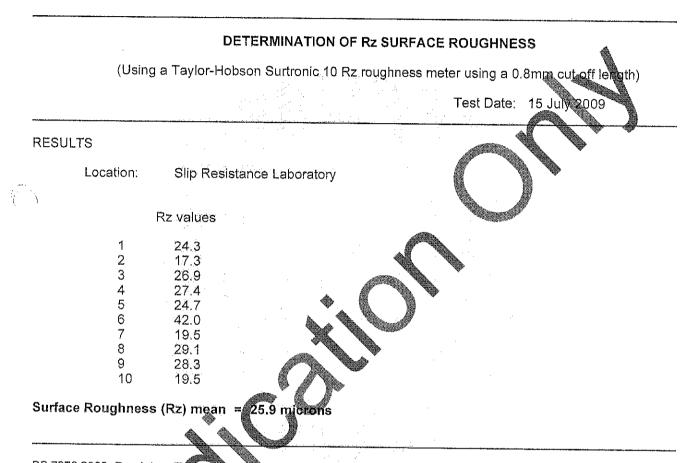
CSIRO has categorized the AS4586 classifications into sub-groups Low, Medium & High. The slip resistance test classification is still determined according to AS 4586 Australian Standard (Appendices A & D). The added information of Low, Medium and High allows professionals to make a better judgement of pedestrian floor requirements.



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Addendum

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BS 7976:2002, Pendulum Testers, requires a different test foot preparation (lapping paper) for pedestrian surfaces that have a Rz roughness of less than 15 microns. This lapping paper tends to reduce the pendulum result, sometimes appreciably. CSIRO recommends the use of this procedure (CSIRO COF1) as an adjunct to AS/NZS 4586. It helps to discriminate among products that have marginal wet slip resistance and to identify those that may be dangerous if wet.

The measurement of the various aspects of surface roughness is complex given the number of potential roughness parameters. While there is still some uncertainty as to exactly what type of roughness needs to be measured, peak-to-trough roughness (Rz) gives a useful guide to the likely slip resistance in wet conditions. Research has suggested that hard floors need to have a slightly higher Rz roughness than polymeric floors for the same degree of safety in wet conditions, but whatever flooring material is used an Rz roughness value of at least 10 microns is required where wet slip resistance may be required. In circumstances where wetness is normal or expected, this figure should be increased by a factor of 2 or more.

Greater peak surface roughnesses are likely to be required where floors slope or where the floor is likely to become contaminated with high viscosity liquids.