

On the following pages you will find our PolySoft test results for the *Slip Resistance Classification of New Pedestrian Surface Materials Oil-Wet Test Method*.

Tests were carried out by Industrial Research Service registered testing authority CSIRO in accordance with the Australian New Zealand standard AS/NZ4586:2004.

PolySoft's slip resistance assessment group was a classification R10!

Please see below a brief description on the testing procedure;

In the oil-wet ramp test, a person supported with appropriate harness and wearing standard rubber boots, walks up a ramp coated with the test finish on to which a quantity of a standard motor oil has been applied. The angle of the ramp is increased until the threshold of safe walking is reached.

The Standard defines a set of Slip Hazard Classification Groups (R9 – R13) which reflect the mean acceptance angles determined by the test. Thus a higher 'R' number means that safe walking can be carried out at a higher ramp angle.

Slip Hazard Classification	Examples of Areas
R9	Entry foyers of hotels, offices and public buildings (dry); shopping centres (not food areas); hospitals; supermarket aisles; lift lobbies; interior stairs; canteens; shops; packing areas; operating theatres and other dry health service areas; school areas such as playgrounds excluding kitchens, toilets, machine and handicraft areas.
R10	External colonnades, walkways and pedestrian crossings; entry foyers of hotels, offices and public buildings (wet); shopping centre food courts; fast food outlets; shop/supermarket fresh fruit and vegetable areas; toilet facilities; undercover areas in sports stadia; storage areas (food preparation); coffee & tea preparation kitchens; sales areas for unpackaged bakery and cheese product areas; health service areas not covered under R9; garages, car parks; school areas not covered under R9.
R11	External stairs and stair nosings; aircraft hangars; vehicle repair workshop bays (pits are R12); wet or dry production areas not involving oils and fats; laundries; serving counters for unpackaged meat and vegetables; florists; catering establishments, including washing-up areas; wet sterilizing rooms; beverage bottling plants; chocolate and confectionary plants (excluding sugar and cocoa production areas).
R12	Production areas involving margarine, cooking oils, milk, butter, cocoa, sugar; meat processing areas (see also R13); vegetable processing; large catering areas; sales areas involving deep-fry and grill equipment; waste-water treatment rooms; fire stations; pickling, cleaning, hardening, galvanizing metal-working areas.
R13	Tanneries; vegetable processing and tinning areas; fish processing and delicatessen production facilities; abattoirs and meat processing areas; cooking oil and fat processing areas.



Industrial Research Services

Materials Science & Engineering, Graham Road (PO Box 56), Highett, Victoria, Australia 3190

Telephone: 61 3 9252 6000 Facsimile: 61 3 9252 6244 Email: tiles@csiro.au Web: <http://www.cmse.csiro.au>

Registered Testing Authority - CSIRO

21 April 2011

Our Ref. EN13 / 1863 03/0212

TEST REPORT No. 5768.2Bs

[Rev B]

Requested by: Eversharp Technology Pty Ltd
PO Box 4215
East Gosford
NSW 2250

on (date): 19 April 2011

Manufacturer: ECOTILE AUSTRALIA

Product Desc.: Polysoft Flexible Seamless Paving - AQUA
1200x450mm

Sampling details:

Where: Delivered

Date: 19 April 2011

By whom: Courier

How (methods): N/A

The results reported relate only to the sample(s) tested and the information received. No responsibility is taken for the accuracy of the sampling unless it is done under our own supervision. CSIRO cannot accept responsibility for deviations in the manufactured quality and performance of the product. While CSIRO takes care in preparing the reports it provides to clients, it does not warrant that the information in this particular report will be free of errors or omissions or that it will be suitable for the client's purposes. CSIRO will not be responsible for the results of any actions taken by the client or any other person on the basis of the information contained in the report or any opinions expressed in it. The reproduction of this test report is only authorised in the form of a complete photographic facsimile. Our written approval is necessary for any partial reproduction.

This test report consists of 3 pages

SUMMARY OF SLIP RESISTANCE TESTS PERFORMED:

	Result	Class
AS/NZS 4586:2004 Slip resistance classification of new pedestrian surface materials, Appendix D: OIL-WET Ramp		
Mean overall acceptance angle:	12.6°	R 10 [MEDIUM*]

* = CSIRO classification

In order to interpret the classifications, please refer to Standards Australia Handbook 197, An Introductory Guide to the Slip Resistance of Pedestrian Surface Materials, which recommends minimum classifications for a wide variety of locations.

It is important to realise that test results obtained on unused factory-fresh samples may not be directly applicable in service, where proprietary surface coatings, contamination, wear and subsequent cleaning all influence the behaviour of the pedestrian surface.



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Page 2 of 3

SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS

OIL-WET RAMP TEST METHOD

TEST CARRIED OUT IN ACCORDANCE WITH
AS/NZS 4586:2004 (Appendix D)

Test Date: 21 April 2011

Location: Slip Resistance Laboratory

Sample Fixed

Joint width: 0 mm

Surface structure: Smooth
 Profiled
 Structured

RESULTS

Mean overall acceptance angle: 12.6 °

Displacement space: not tested

CLASSIFICATION:

Slip Resistance Assessment Group:

R 10 [MEDIUM*]

Displacement Space Assessment Group:

-

* = CSIRO classification



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Page 3 of 3

Date and Place 21 April 2011, Highett, Vic

Name, Title and Digital Signature:

DAVID WEEKS
Technical Officer
Tel: 61 3 92526064
Fax: 61 3 92526011
Email: David.Weeks@csiro.au

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

Wet Pendulum Class	BPN 4S Rubber	CSIRO Class LOW	CSIRO Class MEDIUM	CSIRO Class HIGH
V	>54	54-57	58-61	>61
W	45-54	45-48	49-51	52-54
X	35-44	35-38	39-41	42-44
Y	25-34	25-28	29-31	32-34
Z	<25	<18	18-21	22-25
Oil Wet Ramp Class	Angle (degrees)	CSIRO Class LOW	CSIRO Class MEDIUM	CSIRO Class HIGH
R9	≥6 to <10	≥6 to 7.5	7.6 to 9	9.1 to 9.9
R10	≥10 to <19	≥10 to 12	12.1 to 15	15.1 to 18.9
R11	≥19 to <27	≥19 to 21	21.1 to 24	24.1 to 26.9
R12	≥27 to <35	≥27 to 29	29.1 to 32	32.1 to 34.9
R13	≥35	≥35 to 36	36.1 to 38	≥38.1

This table should not be read or relied upon without reference to the CSIRO/Standards Australia publication:
AS/NZS 4586 Slip Resistance Classification of New Pedestrian Surface Materials (Appendices A & D).

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.