

*Acoustic Emission * Slip Resistance Testing

*Materials Failure Analysis *Corrosion Monitoring

*Non-Destructive Testing Training

Advanced Technology Testing and Research

A Division of Engineering Materials Evaluation Pty. Ltd. A.B.N. 14 006 554 785

CLASSIFICATION CRITERIA - AS/NZS 4586 - 1999

Compliance

TEST AND CLASSIFICATIONS COMBINATIONS

Test conditions	Test method	Classification table to be used		
Wet pendulum	Appendix A	Table 2		
Wet pendulum and dry floor friction	Appendices A and B	Tables 2 and 3		
Dry floor friction	Appendix B	Table 3*		

^{*}Samples tested under dry conditions only are assumed to have a default wet classification of Z and shall be reported as classification ZF or ZG.

TABLE 2 CLASSIFICATION OF PEDESTRIAN SURFACE MATERIALS

Cluss	Pendulum*	mean BPN	Contribution of the floor surface to the ris			
	Four S rubber		slipping when wet			
V	>54	>44	Very low			
W	45-54	40-44	Low			
X	35-44		Moderate			
Y	25-34		High			
Z	<25		Very high			

^{*}While either of these test methods may be used, the test report shall specify which method was used. NOTE: It is expected that these surfaces will be more slip resistive when dry.

TABLE 3 CLASSIFICATION OF PEDESTRIAN SURFACE MATERIALS

ACCORDING TO THE DRT PLOOR PRICTION TEST				
Classification	Floor friction tester mean value			
F	≥0.4			
G	<0.4			

NOTE: Tables 2 and 3 estimate the contribution only of the floor surface to an occurrence of a slip under the wet or dry conditions. Estimates of the total risk of a slip should include consideration of other possible contributory factors which may include type of footwear, use of walking aid, speed of gait, lighting, wear, surface gradient, contamination and similar.

Means of demonstrating compliance

Pedestrian surfaces that are classified in accordance with Table 2 and, where appropriate, Table 3 shall meet the following criteria:

- (a) The mean test results shall be as follows:
 - (i) For the classifications in Table 2, the mean of the test results shall be above the relevant criteria set out in the Table, and each individual result shall be either within the limit for the classification or, if below the classification, within the mean of the result minus 20%. If either of these criteria is not met, the lot shall be considered to be a lower classification.
 - (ii) For Classification F in Table 3, the mean of the test results shall be equal to or greater than 0.4 and each individual result shall be equal to or greater than 0.35. If either of these criteria is not met, the lot shall be considered to be Classification G.
- (b) The classification in accordance with Table 2 or Table 3 shall be determined by:
 - i) selecting and testing at least five specimens at random as defined in Appendices A and B; or
 - (ii) carrying out continuous testing and process control in accordance with AS 3942.
- (c) When testing individual lots, if a particular test fails to produce the expected classification it shall be permissible to:-
 - disregard the first sample, re-sample a minimum of 10 specimens from the whole lot, retest and apply the criteria to the new sample; or
 - subdivide the lot into smaller lots of different quality, re-sample, retest and reclassify each
 of the smaller lots.

%ROBYNMy Documents/TECHPAPS/ClassifCriteria.doc

27/134 Springvale Road, PO Box 286, SPRINGVALE VIC. 3171 Phone: (03) 9574 6144 Fax: (03) 9574 6133 www.attar.com.au Email: admin@attar.com.au



Advanced Technology Testing and Research

ATTAR TEST REPORT NUMBER: 04/6108.3

*Acoustic Emission * Slip Resistance Testing

*Materials Failure Analysis *Corrosion Monitoring

*Non-Destructive Testing Training

A Division of Engineering Materials Evaluation Pty. Ltd. A.B.N. 14 006 554 785

The rous reported become have been performed in expendence with its terms of occreditation. This libertriery is secredited by the National Association of Testing Authorities, Naturals. This document while not be reported except in fall. Registration Number: 2338.

Job No: M04/4244

March 25, 2004

Total Pages: 1

WET SLIP RESISTANCE

Prepared for:	Shieldcoat Pty Ltd							
	Unit 2/1075 Beaudesert Road							
	ARCHE	RFIELD (QLD 4108					
Attention:	Mark Slater							
Test Site:	ATTAR, Unit 27, 134 Springvale Road, Springvale.							
Test Date:	March 25, 2004							
Test Specimens, Size and Quantity:	Stencilshield applied on smooth side of masonite board, 30x30 cm, 5 off.							
Preparation:	As received, washed in tap water and dried.							
Fixed/Unfixed:	Unfixed.							
Air Temperature:	23°C							
Test Equipment:	Stanley Skid Resistance Tester (Pendulum) Scrial Number 0320, Calibrated 20/05/2003.							
Test Standard:	AS/NZS 4586 - 1999 Slip resistance classification of new pedestrian surface materials – Appendix A.							
Slider Rubber:	Four S Batch No. (96-100)							
Classification Criteria:	Refer Appendix 1 - Classification Criteria, attached.							
British Pendulum Number	Specimen Number							
	1	2	3	4	5	Mean		
Microsomer and a second process of the second	59	59	- 59	56	59	58		
Classification:	v							

These results apply only to the specimens tested and it is recommended that before selection of flooring or paving materials the effect of service conditions, including maintenance procedures and wear on their slip-resistance be checked.

NOTE: Any specimens supplied will be disposed of in two (2) months time, unless otherwise instructed.

ATTAR

Marcus Braché

Engineering Technician

%ROBYN/My Documents/Reports/2004/SLIPT046108.3.doc

This report may not be reproduced except in its entirety.

27/134 Springvale Road, PO Box 286, SPRINGVALE VIC. 3171 Phone: (03) 9574 6144 Fax: (03) 9574 6133 www.attar.com.au Email: admin@attar.com.au



Advanced Technology Testing and Research

ATTAR TEST REPORT NUMBER: 04/6108.2

*Acoustic Emission * Slip Resistance Testing

*Materials Failure Analysis *Corrosion Monitoring *Non-Destructive Testing Training

A Division of Engineering Materials Evaluation Pty. Ltd. A.B.N. 14 006 554 785

The new reported forms have been performed in accordance with its terms of accordance with its terms of accordance in the National Association of Testing Authorities, Australia. This decommend shall not be represented except in full Registration Numbers 2735.

March 25, 2004

Total Pages: 1

Job No: M04/4244

WET SLIP RESISTANCE

Prepared for:	Shieldcoat Pty Ltd							
	Unit 2/1075 Beaudesert Road							
	ARCHE	RFIELD (QLD 4108					
Attention:	Mark Slater							
Test Site:	ATTAR, Unit 27, 134 Springvale Road, Springvale.							
Test Date:	March 25, 2004							
Test Specimens, Size and Quantity:	Concreshield X (aluminum anti-slip) applied on smooth side of masonite board, 30x30 cm, 5 off.							
Preparation:	As received, washed in tap water and dried.							
Fixed/Unfixed:	Unfixed.							
Air Temperature:	23°C							
Test Equipment:	Stanley Skid Resistance Tester (Pendulum) Serial Numbe 0320, Calibrated 20/05/2003,							
Test Standard:	AS/NZS 4586 - 1999 Slip resistance classification of new podestrian surface materials — Appendix A.							
Slider Rubber:	Four S Batch No. (96-100)							
Classification Criteria:	Refer Appendix 1 - Classification Criteria, attached.							
British Pendulum Number	Specimen Number							
	1	2	3	4	5	Mean		
The second secon	64	59	69	59	63	63		
Classification:	v							

These results apply only to the specimens tested and it is recommended that before selection of flooring or paving materials the effect of service conditions, including maintenance procedures and wear on their slip-resistance be checked.

NOTE: Any specimens supplied will be disposed of in two (2) months time, unless otherwise instructed.

ATTAR

Marcus Braché Engineering Technician

"ROBYN'My Documents' Reports' 2004' SLIPT046108.2.doc

This report may not be reproduced except in its entirety.

27/134 Springvale Road, PO Box 286, SPRINGVALE VIC. 3171 Phone: (03) 9574 6144 Fax: (03) 9574 6133 www.attar.com.au Email: admin@attar.com.au



Advanced Technology Testing and Research

ATTAR TEST REPORT NUMBER: 04/6108.1

*Acoustic Emission * Slip Resistance Testing *Materials Failure Analysis *Corrosion Monitoring

*Non-Destructive Testing Training

A Division of Engineering Materials Evaluation Pty. Ltd. A.B.N. 14 006 554 785

The most reported from histor have performed in exceedance, with its terms of accordance This laboratory is accordance by the National Association of Tenting Authorities, Association of Tenting Authorities and Tenting Authorities and

March 25, 2004

Total Pages: 1

Job No: M04/4244

WET SLIP RESISTANCE

Prepared for:	Shieldcoat Pty Ltd						
	Unit 2/1075 Beaudesert Road						
	ARCHE	RFIELD	QLD 4108				
Attention:	Mark Slater						
Test Site:	ATTAR, Unit 27, 134 Springvale Road, Springvale.						
Test Date:	March 25, 2004						
Test Specimens, Size and Quantity:	Concreshield X (wax bead anti-slip) applied on smooth sid of masonite board, 30x30 cm, 5 off.						
Preparation:	As received, washed in tap water and dried.						
Fixed/Unfixed:	Unfixed.						
Air Temperature:	23°C						
Test Equipment:	Stanley Skid Resistance Tester (Pendulum) Serial Number 0320, Calibrated 20/05/2003.						
Test Standard:	AS/NZS 4586 - 1999 Slip resistance classification of new pedestrian surface materials – Appendix A.						
Slider Rubber:	Four S Batch No. (96-100)						
Classification Criteria:	Refer Appendix 1 Classification Criteria, attached						
British Pendulum Number	Specimen Number						
	1	2	3	4	5	Mean	
结合的 网络西班牙	54	55	55	54	56	55	
Classification:	v						

These results apply only to the specimens tested and it is recommended that before selection of flooring or paving materials the effect of service conditions, including maintenance procedures and wear on their slip-resistance be checked.

NOTE: Any specimens supplied will be disposed of in two (2) months time, unless otherwise instructed.

ATTAR

Marcus Braché

Engineering Technician

\ROBYN'My Documents'Reports'2004'SLIPT046108.1 doc

This report may not be reproduced except in its entirety.