



ATTAR

Advanced Technology Testing and Research

*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

ATTAR TEST REPORT NUMBER: 06/0955



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July 19, 2006

Total Pages: 1

WET SLIP RESISTANCE

Job No: M06/0955

Prepared for:	Micon Construction Products Pty Ltd Factory 4, 273 Wickam Road MOORABBIN VIC 3189
Attention:	Mr Mike Mendoza
Test Site:	ATTAR, Unit 27, 134 Springvale Road, Springvale.
Test Date:	July 18, 2006
Test Specimens, Size & Quantity:	Terrazzo pavers coated with Miteq Sealer 202 gloss acrylic incorporating non-slip additive, 40 x 40cm, 5 off.
Sampling & Direction of Testing:	Sampling conducted by client. Test direction not applicable.
Test Personnel:	Simon Langdon
Preparation:	As received, washed in tap water and wiped with wet paper towel.
Fixed/Unfixed:	Unfixed.
Air Temperature:	23°C
Test Equipment:	Stanley Skid Resistance Tester (Pendulum) Serial Number 0320, Calibrated 08/09/2005.
Test Standard:	AS/NZS 4586 - 2004 Slip resistance classification of new pedestrian surface materials – Appendix A.
Slider Rubber:	Slider 96 (Four S) Batch No. 14
Classification Criteria:	Refer Appendix 1 – Classification Criteria, attached.
British Pendulum Number	Specimen Number
	1 2 3 4 5 Mean
	51 54 54 54 55 54
Classification:	W

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
 Senior Engineering Technician

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APPENDIX 1



CLASSIFICATION CRITERIA – AS/NZS 4586 - 2004

Compliance

**TABLE 1
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
ACCORDING TO THE WET PENDULUM TEST**

Class	Pendulum* mean BPN	
	Slider 96 (Four S rubber)	Slider 55 (TRL rubber)
V	>54	>44
W	45-54	40-44
X	35-44	-
Y	25-34	-
Z	<25	-

*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 have greater slip resistance when dry.

**TABLE 3
CLASSIFICATION OF PEDESTRIAN SURFACE MATERIALS
ACCORDING TO THE DRY FLOOR FRICTION TEST**

Classification	Floor friction tester mean value
F	≥0.4
G	<0.4

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 within the relevant criteria set out in the Table, and each individual result shall be equal to or above the lower 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:-
 - (i) 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
 - (ii) subdivide the lot into smaller lots of different quality, re-sample, retest and reclassify each of the smaller lots.