

18 April, 2007

Floorsafe International Pty Ltd
201 Franklin Street
ADELAIDE SA 5000

Attention: Mr Philip Zagni

REPORT 07MAAD5085

CLIENT REFERENCE: Request - Philip

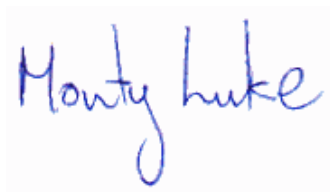
TITLE: Slip Resistance Classification of Yellow gritted stair nosings

SAMPLE IDENTIFICATION: RMN yellow coating with grit

WORK REQUESTED: Determine slip resistance of samples according to AS/NZS 4586:2004 – Slip Resistance Classification of New Pedestrian Surfaces.

SUMMARY: The RMN yellow coating with grit exceeds the recommendations of HB-197 for external stair nosings.

INVESTIGATING OFFICER(S): Natalie Powell

A handwritten signature in blue ink that reads "Monty Luke". The signature is written in a cursive, flowing style.

Monty Luke
Laboratory Manager
Materials Services

1. INTRODUCTION

Philip Zagni of Floorsafe International Pty Ltd requested that Amdel should carry out an investigation of a RMN yellow coating applied to metal stair nosings. Six samples were supplied. Five samples were selected for testing and randomly assigned numbers from one to five.

2. PROCEDURE

Determination of the contribution to slip from the surface was carried out in accordance with Appendix A of AS/NZS 4586:2004 "Slip resistance classification of new pedestrian surfaces" (our reference SL1319 to SL1323) on the 17th April 2007 using a British Pendulum skid tester (No. 9410) fitted with a 4S rubber slider (batch #15, exp 18/04/07). Measurements were made after moistening the surface with water and wiping it with a clean rag. At the time of testing the air temperature was 22°C.

3. RESULTS

❖ Slip Resistance

Test results are summarised below and presented in the attached test certificate

Table 1: Testing in a wet condition of supplied samples.

Test Surface	British Pendulum Number - Mean (BPN)	Classification
Mean Result – Yellow coating, with grit.	67	V

4. DISCUSSION AND CONCLUSIONS

The following comments are relevant to the results achieved in the investigation.

According to Table 2 AS/NZS 4586:2004 (Classification of Pedestrian surface materials according to the wet pendulum test), the yellow coating with grit sample achieves a classification of V. A V classification is equivalent to a very low contribution to the risk of slipping when wet and requires a mean BPN >54.

Table 3 of HB 197-1999 "Pedestrian Flooring Selection Guide- Minimum Pendulum or Ramp Recommendations for Specific Locations" recommends a classification of V for hazardous locations that may become wet, with water directly acting upon them, such as external ramps and slopes. A W classification (mean BPN 45-54) is required for external stair nosings, colonnades and walkways. The yellow coating with grit exceeds the recommendations of HB-197 for external stair nosings.



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SLIP RESISTANCE DETERMINATION

TEST SPECIFICATION: AS/NZS 4586:2004

CLIENT: Floorsafe

REPORT NO.: 07MAAD5085

TEST DATE: 17th April 2007

TEST SITE: Amdel Laboratories, Stirling St Thebarton

TEST TYPE: FIXED / ~~UNFIXED~~

SURFACE AND TYPE: Yellow grit - RMN

SURFACE PREPARATION PRIOR TO TEST: Surface was wet and then wiped with a damp cloth

AIR TEMPERATURE: 22°C

WEATHER (if appropriate): N/A

TYPE OF RUBBER USED: 4S (batch #15 exp. 18/04/07), less than 4mm edge.

WET SURFACE FRICTION (Wet Pendulum Method)

TEST NO.	SAMPLE / ORIENTATION	INDIVIDUAL READINGS	MEAN ¹
SL 1319	Sample 1 – Along length	72, 70, 70, 70, 70	70
SL 1320	Sample 2 – Along length	65, 65, 65, 65, 65	65
SL 1321	Sample 3 – Along length	70, 70, 70, 70, 70	70
SL 1322	Sample 4 – Along length	67, 67, 67, 67, 67	67
SL 1323	Sample 5 – Along length	70, 70, 70, 65, 65, 65, 65	65
MEAN BRITISH PENDULUM NUMBER (BPN)			67

COMMENTS: According to AS/NZS 4586:2004 the classification of the yellow coating with grit is V (mean BPN >54).

TESTED BY: N.Powell

CERTIFIED BY:

Natalie Powell

¹ Readings in *italics* not included in mean