



**BUREAU
VERITAS**

Report: 09ARTH1216583-2

Client: Stepsolve Australia

Attn: Mr Peter Dangov

Order No. Requested - Peter

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Move Forward with Confidence

Bureau Veritas Asset Integrity and Reliability Services Pty Ltd
ABN 86 000 928 816
35-37 Stirling Street
Thebarton SA 5031 Australia
Tel: 61 8 8416 5276 Fax: 61 8 8234 2760
Email: bryan.dodd@au.bureauveritas.com

Slip Resistance Classification

1. Introduction

The client requested that Bureau Veritas determine the slip resistance rating of a stair nosing coated with S-GN yellow grit coating. Determination of the contribution to slip from the surfaces were carried out in accordance with Appendix A of AS/NZS 4586:2004 "Slip resistance classification of new pedestrian surfaces" (our reference SL1494 to SL1498) on the 17th July 2009 using a British Pendulum skid tester (No. 9410) fitted with a 4S rubber slider (batch #23, expires 15/05/2010,). Measurements were made after moistening the surface.

2. Results

| Test Surface | British Pendulum Number - Mean (BPN) | Classification |
|---------------------------------|--------------------------------------|----------------|
| Mean – S-GN yellow grit coating | 70 | V |

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 S-GN coating has a Mean BPN rating of V. A V classification is equivalent to a very low contribution to the risk of slipping when wet and requires a mean BPN greater than 54.

When analysing slip resistant materials, it is accepted that a higher BPN number implies a more slip resistant product, for the specific set of test conditions. Thus, test results provide an indication of slip resistance relative to industrial and manufacturing standards used for the comparison of all new and current surfaces.

Table 3 of HB 197-1999 "Pedestrian Flooring Selection Guide- Minimum Pendulum or Ramp Recommendations for Specific Locations" recommends a classification of W, which corresponds to a mean BPN between 45 and 54, for "External Stair Nosings". As the coating exceeds the recommended minimum, it can be considered safe for use.