Australia's National
Science Agency

Test report: SW8497
Slip Resistance for Woven flooring

Materials Performance

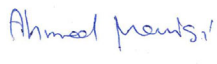
Project number:	SW8497
CSIRO specimen ID	SW8497
Date:	1/9/2023
Version	A
Client:	The Andrews Group
Product	Bolon WovenFlooring

[Commercial-in-confidence]

Test Report Status and Revision History

Version	Status	Date	Distribution	Comment
Revision A	Final for issue	1-Sep-23	CSIRO	

Report Authorisation

	Author	Reviewer
Name	A. Menisi	M.Arora
Signature		
Position	Technical Officer - Materials Performance	Acting team Leader- Materials Performance
Date	30-Aug-23	1-Sep-23

Enquiries should be addressed to:

Author
CSIRO
Infrastructure Technologies
Private Bag 10, Clayton South
Victoria-3169, Australia
Telephone +61 3 9545 8774

Client
The Andrews Group
40-42 Crown St
Richmond|
VIC 3121
Telephone: 0439845263

Laboratory No. 165
Corporate Site 212
Accredited for compliance to ISO/IEC 17025 - Testing

CSIRO is committed to providing web accessible content wherever possible. If you are having difficulties with accessing this document please contact csiro.au/contact

1 Introduction

The report describes the testing of Slip resistance in accordance with AS4586:2013 for Bolon Woven Flooring.

Slip resistance classification of new pedestrian surface materials

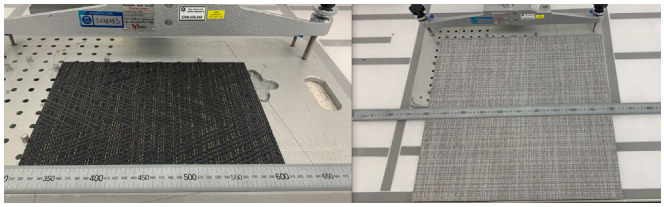
Appendix A with wet pendulum test method (slider 96).

2 Specimen Details

2.1 Specimen identification (as provided by the client)

Client	The Andrews Group
Manufacturer	Bolon AB
Product Code:	Not Provided
Product Type	Woven Flooring
Product description:	Bolon woven flooring - elliptical weave. Bolon woven flooring - profile weave.
Batch Number	Not Provided
Sample Received Date	22-Aug-23
Date (s) of Test	30-Aug-23

Bolon woven flooring



Elliptical Weave
SW8497/A1-5

Profile Weave
SW8497/B1-5

Figure 1: Photograph of the specimen as received

3 NATA accreditation

All the methods are accredited under CSIRO NATA scope

4 Method

4.1 Conditioning of Specimens

The specimens were stored in standard lab conditions prior to testing.

4.2 Test Method

AS4586:2013: Appendix A sets out the method for the measurments of the frictional characteristics of new pedestrain surface materials under wet conditions using a pendulum friction tester,
the frictional characteristics of each specimen shall be assessed by determining the wet dynamic friction between the specimen and the silder of the pendulum swinging in the vertical plane.

A pendulum friction tester shall be constructed, and shall comply with the following:
a) All bearing and working parts of the instrument shall be enclosed as much as practicable,
And all materials shall be suitably treated to prevent corrosion under wet conditions,
b) when not in use on site, the apparatus shall be used and stored in a dust-free enviroment
That not subject to significant temperature variations,
c) The pendulum friction apparatus shall be calibrayed to ensure compliance with BS 7976-3 or CEN/TS 16165

5 Results

Client	The Andrews Group	Product Type	Bolon WovenFlooring
Manufacturer	Bolon AB	Batch Number	Not Provided
Product Code:	Not Provided	CSIRO specimen ID	WovenFlooring
Cleaning :	Deionized water	Temperature:	22.3˚C

Pendulum Friction Tester: ERM 030.040 (S/N: 1726, Calibrated 11/11/2021),
Slider 96, Batch # 22

Elliptical Weave	SW8497/A1-5			
Specimen number	Reading 3	Reading 4	Reading 5	Average
SW8497/A1	30	29	29	29.33
SW8497/A2	30	29	29	29
SW8497/A3	30	29	28	29
SW8497/A4	29	29	29	29
SW8497/A5	29	29	28	28.67
Mean SRV	Mean SRV			**29**
Slip Resistance classification		**P2**	**Class**	

Profile Weave	SW8497/B1-5			
Specimen number	Reading 3	Reading 4	Reading 5	Average
SW8497/B1	40	40	41	40.33
SW8497/B2	43	41	43	42.33
SW8497/B3	47	46	45	46
SW8497/B4	43	43	43	43
SW8497/B5	44	45	45	44.67
Mean SRV	Mean SRV			**43**
Slip Resistance classification		**P3**	**Class**	

Testing Officer	A Menisi	Date	30-Aug-23
Reviewed By	M.Arora	Date	01-Sep-23

Final Page of the Report

As Australia's national science agency and innovation catalyst, CSIRO is solving the greatest challenges through innovative science and technology.

CSIRO. Unlocking a better future for everyone.

Contact us

1300 363 400

+61 3 9545 2176

csiro.au/contact

csiro.au

For further information

CSIRO Infrastructure Technologies

Ms Money Arora

Acting team leader -Materials Performance

t +61 3 9545 8774

e money.arora@csiro.au

w https://research.csiro.au/infratech/