

**ATTAR TEST REPORT NUMBER: 15/9407.7**

The results of the tests, calibrations and/or measurements included in this document are traceable to Australasian standards. Accredited for compliance with ISO/IEC 17025. Accreditation Number: 2735

22 October 2015

Total Pages: 2**WET PENDULUM SLIP RESISTANCE**

Job No: M15/9407

Prepared for:	Forbo Flooring Systems 23 Ormsby Place WETHERILL PARK NSW 2164					
Attention:	David Blakemore.					
Test Site:	ATTAR, Unit 1, 64 Bridge Road, Keysborough.					
Test Date:	14 October 2015					
Test Specimens, Size & Quantity:	Forbo Step Laguna, 500x1000 mm. Refer to Figure 1.					
Sampling & Direction of Testing:	Sampling conducted by client. Test direction not applicable.					
Test Personnel:	Adrian Wilkinson.					
Preparation:	Washed with water and pH neutral detergent, rinsed with water, then dried.					
Fixed/Unfixed:	Unfixed.					
Air Temperature:	22°C					
Test Equipment:	Munro Stanley Skid Resistance Tester (Pendulum) Serial Number 0320, Calibrated 13/10/2015.					
Test Standard:	AS 4586: 2013 Slip resistance classification of new pedestrian surface materials – Appendix A.					
Slider Rubber:	Slider 96 Batch No. #61 prepared on P400 & 3µm lapping film.					
Classification Criteria:	Refer to Classification Criteria, attached as Appendix 1.					
British Pendulum Number	Specimen Number					SRV
	1	2	3	4	5	
	65	64	63	62	61	63
Classification:	P5					

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 one (1) months time, unless otherwise instructed.

ATTAR

Christopher Peake BEng (mech) Hons.,
Mechanical and Testing Engineer.

Approved Signatory

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Figure 1: Forbo Step Laguna.

**ATTAR TEST REPORT NUMBER: 15/9407.11**

22 October 2015

Total Pages: 2**WET - BAREFOOT INCLINING PLATFORM**

Job No: M15/9407

Prepared for:	Forbo Flooring Systems 23 Ormsby Place WETHERILL PARK NSW 2164	
Attention:	David Blakemore.	
Test Site:	ATTAR, Unit 1, 64 Bridge Road, Keysborough.	
Test Date:	28 September 2015	
Manufacturer:	Unknown	
Test Specimen, Size & Quantity Received:	Forbo Step Laguna, 1000x500mm. Refer to Figure 1.	
Sampling & Direction of Testing:	Sampling conducted by client. Test direction not applicable.	
Test Personnel:	Chris Peake and Adrian Wilkinson	
Preparation:	Washed with water and pH neutral detergent, rinsed with water, then dried.	
Fixed/Unfixed	Fixed	
Joint Width:	N/A	
Air Temperature:	22°C	
Water Temperature:	25-28°C	
Test Standard:	AS 4586 - 2013 Slip resistance classification of new pedestrian surface materials – Appendix C.	
Surface Structure :	Structured.	
Calibration Board:	Actual Mean	Reported Mean <small>Rounded down to the nearest whole number</small>
A	12.0°	12°
B	16.8°	16°
C	23.1°	23°
Test Specimen Actual Mean:	18.3°	
Mean Angle of Inclination: <small>Rounded down to the nearest whole number</small>	18°	
Slip Resistance Quality Group:	B	

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 one (1) month time, unless otherwise instructed.

ATTAR

Christopher Peake BEng (mech)
Mechanical and Testing Engineer
Approved Signatory

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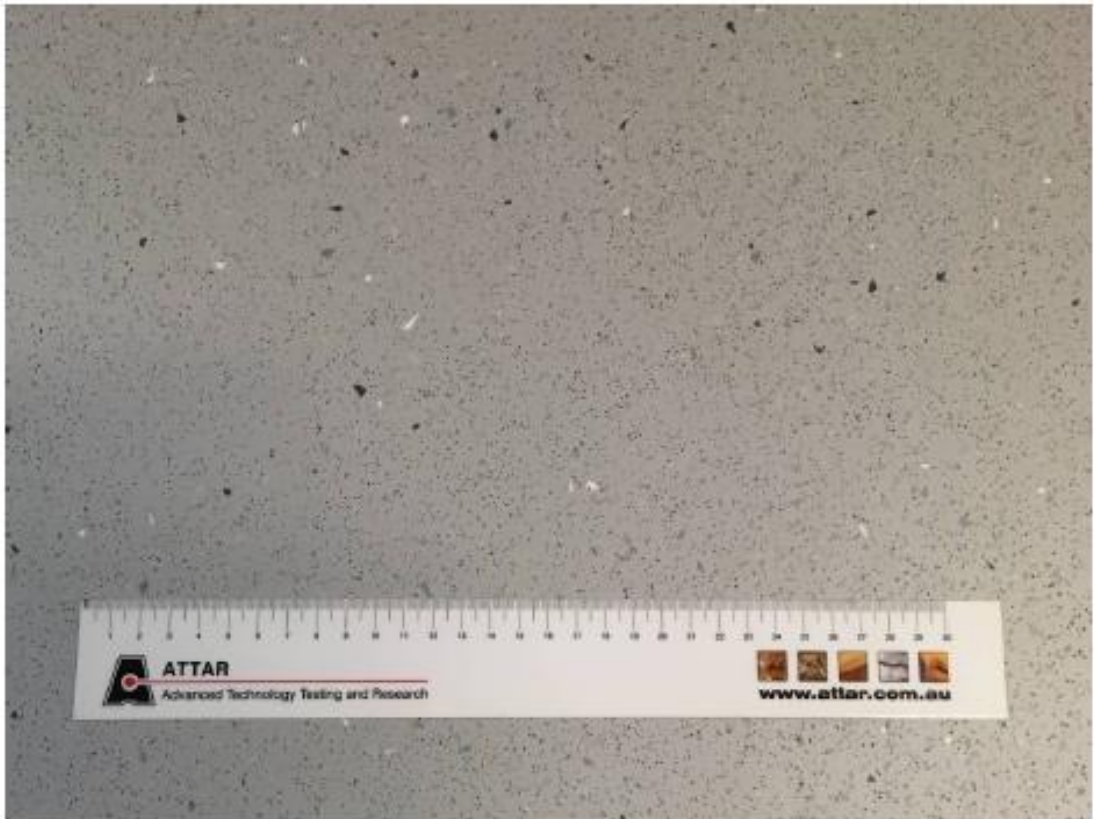


Figure 1: Forbo Step Laguna.



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The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.
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OIL-WET INCLINING PLATFORM SLIP RESISTANCE

Job No: M15/9407

Prepared for:	Forbo Flooring Systems 23 Ormsby Place WETHERILL PARK NSW 2164	
Attention:	David Blakemore.	
Test Site:	ATTAR, Unit 1, 64 Bridge Road, Keysborough.	
Test Date:	19 October 2015	
Manufacturer:	Unknown	
Test Specimen, Size & Quantity:	Forbo Step Laguna, 500x1000 mm. Refer to Figure 1.	
Sampling & Direction of Testing:	Sampling conducted by client. Test direction not applicable.	
Test Personnel:	Douglas Lehne and Adrian Wilkinson.	
Preparation:	Washed with water and pH neutral detergent, rinsed with water, then dried.	
Joint Width:	N/A	
Air Temperature:	22°C	
Test Standard:	AS 4586 - 2013 Slip resistance classification of new pedestrian surface materials – Appendix D.	
Surface Structure :	Structured	
Test Shoes:	Lupos Picasso.	
Classification Criteria: (TABLE 5 in AS 4586 - 2013)	Classification	Angle, degrees
	No Classification	<8
	R9	≥8<10
	R10	≥10<19
	R11	≥19<27
	R12	≥27<35
R13	≥35	
Displacement Space:	N/A	
Displacement Space Assessment Group:	N/A	
Corrected Mean Overall Acceptance Angle (rounded down to the nearest degree):	18°	
Classification:	R10	

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 one (1) months time, unless otherwise instructed.

ATTAR

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Figure 1: Forbo Step Laguna.