

**ATTAR TEST REPORT NUMBER: 15/9407.2**

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national 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

<b>Prepared for:</b>	Forbo Flooring Systems 23 Ormsby Place WETHERILL PARK NSW 2164					
<b>Attention:</b>	David Blakemore.					
<b>Test Site:</b>	ATTAR, Unit 1, 64 Bridge Road, Keysborough.					
<b>Test Date:</b>	14 October 2015					
<b>Test Specimens, Size &amp; Quantity:</b>	Safe Step R11, 500x1000 mm. Refer to Figure 1.					
<b>Sampling &amp; Direction of Testing:</b>	Sampling conducted by client. Test direction not applicable.					
<b>Test Personnel:</b>	Adrian Wilkinson.					
<b>Preparation:</b>	Washed with water and pH neutral detergent, rinsed with water, then dried.					
<b>Fixed/Unfixed:</b>	Unfixed.					
<b>Air Temperature:</b>	22°C					
<b>Test Equipment:</b>	Munro Stanley Skid Resistance Tester (Pendulum) Serial Number 0320, Calibrated 13/10/2015.					
<b>Test Standard:</b>	AS 4586: 2013 Slip resistance classification of new pedestrian surface materials – Appendix A.					
<b>Slider Rubber:</b>	Slider 96 Batch No. #61 prepared on P400 & 3µm lapping film.					
<b>Classification Criteria:</b>	Refer to Classification Criteria, attached as Appendix 1.					
<b>British Pendulum Number</b>	<b>Specimen Number</b>					<b>SRV</b>
	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	
	63	63	65	64	63	64
<b>Classification:</b>	<b>P5</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) months time, unless otherwise instructed.

**ATTAR**

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

Approved Signatory

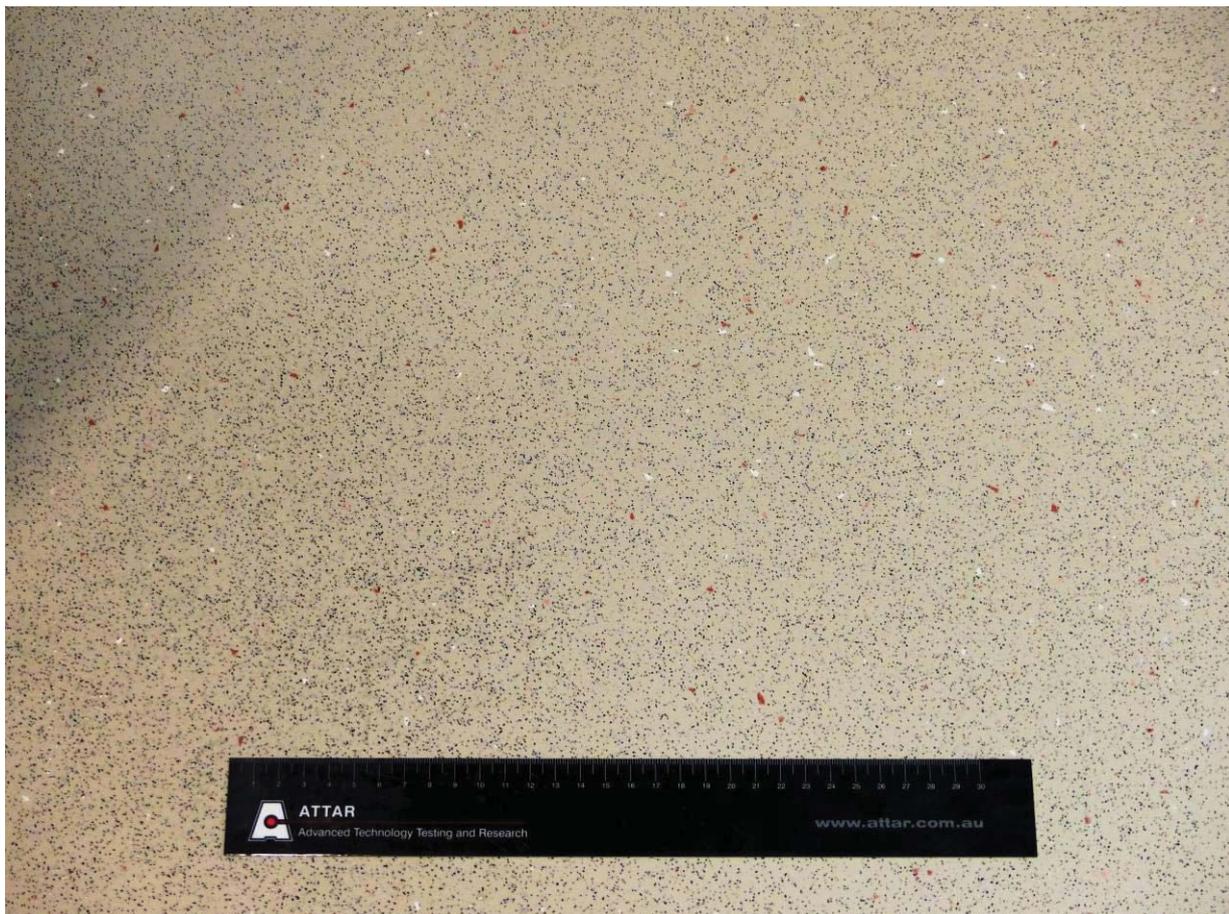
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**Figure 1:** Safe Step R11.

**ATTAR TEST REPORT NUMBER: 15/9407.10**

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

Job No: M15/9407

<b>Prepared for:</b>	Forbo Flooring Systems 23 Ormsby Place WETHERILL PARK NSW 2164	
<b>Attention:</b>	David Blakemore.	
<b>Test Site:</b>	ATTAR, Unit 1, 64 Bridge Road, Keysborough.	
<b>Test Date:</b>	28 September 2015	
<b>Manufacturer:</b>	Unknown	
<b>Test Specimen, Size &amp; Quantity Received:</b>	Safe Step R11, 1000x500mm. Refer to Figure 1.	
<b>Sampling &amp; Direction of Testing:</b>	Sampling conducted by client. Test direction not applicable.	
<b>Test Personnel:</b>	Chris Peake and Adrian Wilkinson	
<b>Preparation:</b>	Washed with water and pH neutral detergent, rinsed with water, then dried.	
<b>Fixed/Unfixed</b>	Fixed	
<b>Joint Width:</b>	N/A	
<b>Air Temperature:</b>	22°C	
<b>Water Temperature:</b>	25-28°C	
<b>Test Standard:</b>	AS 4586 - 2013 Slip resistance classification of new pedestrian surface materials – Appendix C.	
<b>Surface Structure :</b>	Structured.	
<b>Calibration Board:</b>	<b>Actual Mean</b>	<b>Reported Mean</b> Rounded down to the nearest whole number
<b>A</b>	12.0°	12°
<b>B</b>	16.8°	16°
<b>C</b>	23.1°	23°
<b>Test Specimen Actual Mean:</b>	18.5°	
<b>Mean Angle of Inclination:</b> Rounded down to the nearest whole number	18°	
<b>Slip Resistance Quality Group:</b>	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

**ATTAR TEST REPORT NUMBER: 15/9407.10**

22 October 2015

**Total Pages: 2**

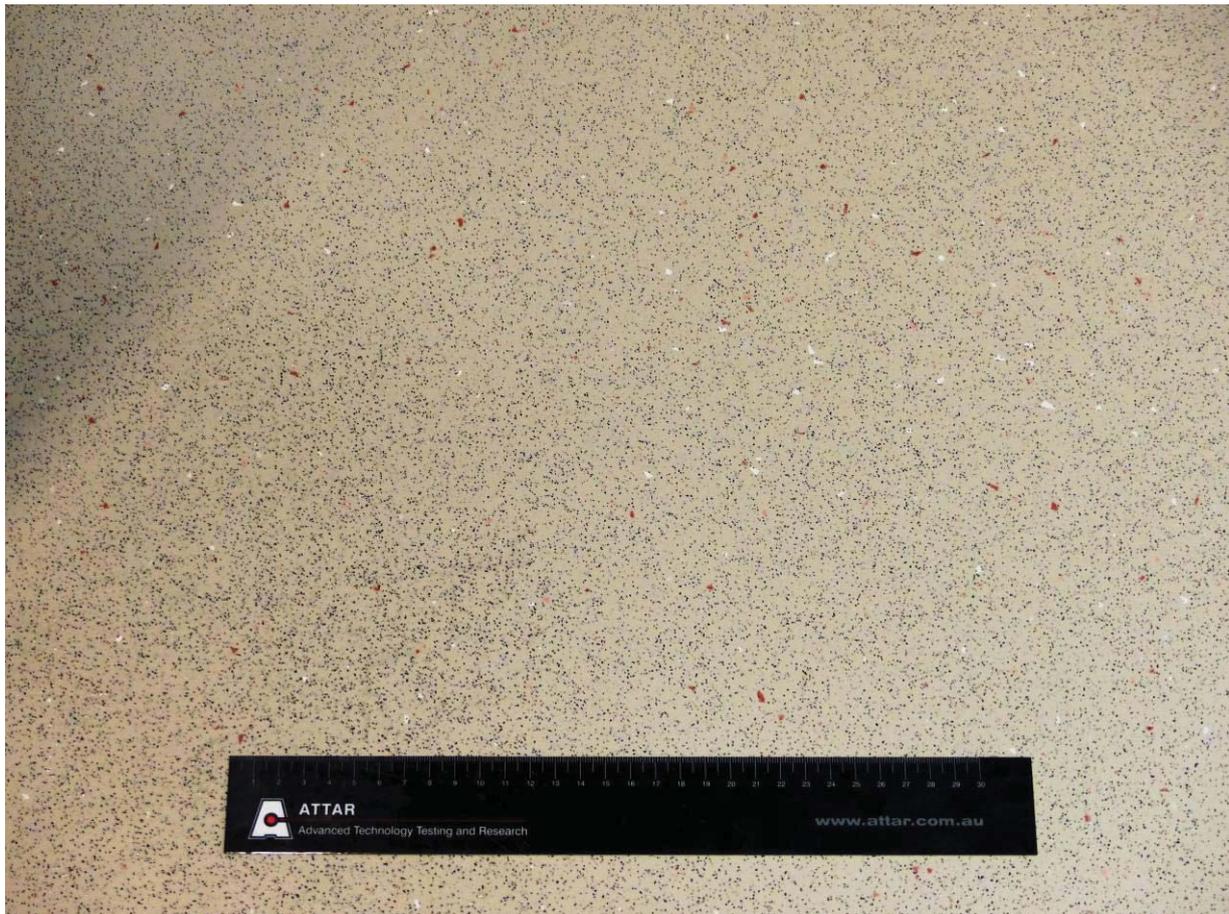


**Figure 1:** Safe Step R11.

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**Figure 1:** Safe Step R11

**ATTAR TEST REPORT NUMBER: 15/9407.14**

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22 October 2015

**Total Pages: 2****OIL-WET INCLINING PLATFORM SLIP RESISTANCE**

Job No: M15/9407

<b>Prepared for:</b>	Forbo Flooring Systems 23 Ormsby Place WETHERILL PARK NSW 2164	
<b>Attention:</b>	David Blakemore.	
<b>Test Site:</b>	ATTAR, Unit 1, 64 Bridge Road, Keysborough.	
<b>Test Date:</b>	19 October 2015	
<b>Manufacturer:</b>	Unknown	
<b>Test Specimen, Size &amp; Quantity:</b>	Forbo Needlefelt, 450x450 mm, 2 off. Refer to Figure 1.	
<b>Sampling &amp; Direction of Testing:</b>	Sampling conducted by client. Test direction not applicable.	
<b>Test Personnel:</b>	Douglass Lehne and Adrian Wilkinson.	
<b>Preparation:</b>	As Received.	
<b>Joint Width:</b>	N/A	
<b>Air Temperature:</b>	22°C	
<b>Test Standard:</b>	AS 4586 - 2013 Slip resistance classification of new pedestrian surface materials – Appendix D.	
<b>Surface Structure :</b>	Structured	
<b>Test Shoes:</b>	Lupos Picasso.	
<b>Classification Criteria:</b> (TABLE 5 in AS 4586 - 2013)	<b>Classification</b>	<b>Angle, degrees</b>
	No Classification	<6
	R9	≥6<10
	R10	≥10<19
	R11	≥19<27
	R12	≥27<35
	R13	≥35
<b>Displacement Space:</b>	N/A	
<b>Displacement Space Assessment Group:</b>	N/A	
<b>Corrected Mean Overall Acceptance Angle (rounded down to the nearest degree):</b>	<b>23°</b>	
<b>Classification:</b>	<b>R11</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) months time, unless otherwise instructed.

**ATTAR**

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