

# SLIP RESISTANT TESTING OF STAIR TREADS

Latham Australia Pty Ltd has had independent testing carried out by a NATA accredited laboratory in Accordance with AS 4586-2013 Slip resistance classification of new pedestrian surface materials – Appendix A.

## Classification of Pedestrian Surface Materials According to the AS 4586 Wet Pendulum Test

Class	Pendulum SRV (see note 1)	
	Slider 96	Slider 55
P5	>54	>44
P4	45-54	40-44
P3	35-44	35-39
P2	25-34	20-39
P1	12-24	<20
P0	<12	

**Notes:**

1. While slider 96 or slider 55 rubbers may be used, the test report shall specify the rubber that was used.
2. It is expected that these surfaces will have greater slip resistance when dry.
3. SDV may be calculated by using the tables that are given in Appendix F, and the minimum SRV that is considered appropriate for a level surface (see examples given in Appendix F).

Adapted from AS 4586-2013 Table 2

To comply with the National Construction Code (NCC) Slip Resistance Requirements, the test results of the 'Wet Pendulum Test' must achieve the values P3 or above for the surface when dry and P4 or above for the surface when wet. More information on the NCC available in SA HB 198:2014.

The established results are detailed as follows:

### Latham Suregrip Silicon Carbide Mineral Insert Treads and Nosings

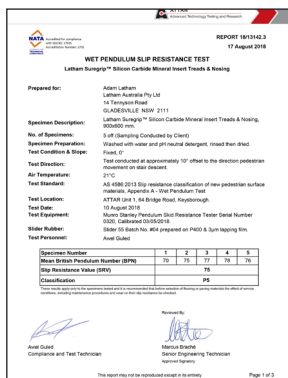
- Slip Resistance Value (SRV) - Slider 55: 75
- Classification according to Appendix A: P5

### Latham Supagrit Silicon Carbide Mineral Insert Treads and Nosings

- Slip Resistance Value (SRV) - Slider 55: 57
- Classification according to Appendix A: P5

### Latham Rufazel Slip Resistant Tread and Plate

- Slip Resistance Value (SRV) - Slider 55: 64
- Classification according to Appendix A: P5



**WET PENDULUM SLIP RESISTANCE TEST**  
Latham Suregrip™ Silicon Carbide Mineral Insert Treads & Nosings

Prepared for: Adam Latham, Latham Australia Pty Ltd, 14 Tennyson Road, GLADESVILLE NSW 2111

Specimen Description: Latham Suregrip™ Silicon Carbide Mineral Insert Treads & Nosings, 900x600 mm.

No. of Specimens: 5 off (Sampling Conducted by Client)

Specimen Preparation: Washed with water and pH neutral detergent, rinsed then dried.

Test Condition & Slope: Fuel, 0°

Test Direction: Test conducted at approximately 10° offset to the direction pedestrian movement on dual descent.

Air Temperature: 23°C

Test Standard: AS 4586-2013 Slip resistance classification of new pedestrian surface materials, Appendix A - Wet Pendulum Test

Test Location: ATFAH Unit 1, 64 Bridge Road, Kingsborough, 12 August 2018

Test Date: 12 August 2018

Test Equipment: Murex Slabby Pendulum Slip Resistance Tester Serial Number 3205, Calibrated 03/05/2018

Slider Rubber: Slider 55 Batch No. 404 prepared on P402 & Turn lapping film.

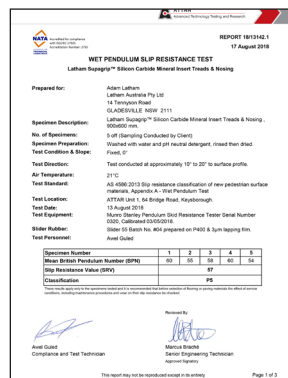
Test Personnel: Axel Guld

Specimen Number	1	2	3	4	5
Mean British Pendulum Number (BPN)	70	75	77	78	76
Slip Resistance Value (SRV)	75				
Classification	P5				

Prepared By: Marcus Brindle, Senior Engineering Technician, Approved Signature

Reviewed By: Axel Guld, Compliance and Test Technician

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**WET PENDULUM SLIP RESISTANCE TEST**  
Latham Suregrip™ Silicon Carbide Mineral Insert Treads & Nosings

Prepared for: Adam Latham, Latham Australia Pty Ltd, 14 Tennyson Road, GLADESVILLE NSW 2111

Specimen Description: Latham Suregrip™ Silicon Carbide Mineral Insert Treads & Nosings, 900x600 mm.

No. of Specimens: 5 off (Sampling Conducted by Client)

Specimen Preparation: Washed with water and pH neutral detergent, rinsed then dried.

Test Condition & Slope: Fuel, 0°

Test Direction: Test conducted at approximately 10° to 20° to surface profile.

Air Temperature: 23°C

Test Standard: AS 4586-2013 Slip resistance classification of new pedestrian surface materials, Appendix A - Wet Pendulum Test

Test Location: ATFAH Unit 1, 64 Bridge Road, Kingsborough, 12 August 2018

Test Date: 12 August 2018

Test Equipment: Murex Slabby Pendulum Slip Resistance Tester Serial Number 3205, Calibrated 03/05/2018

Slider Rubber: Slider 55 Batch No. 404 prepared on P402 & Turn lapping film.

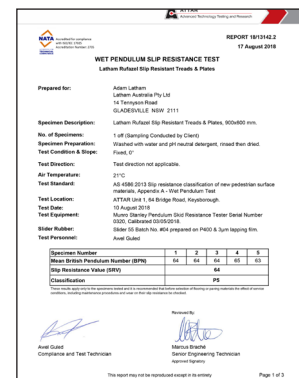
Test Personnel: Axel Guld

Specimen Number	1	2	3	4	5
Mean British Pendulum Number (BPN)	62	55	58	60	54
Slip Resistance Value (SRV)	57				
Classification	P5				

Prepared By: Marcus Brindle, Senior Engineering Technician, Approved Signature

Reviewed By: Axel Guld, Compliance and Test Technician

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**WET PENDULUM SLIP RESISTANCE TEST**  
Latham Rufazel Slip Resistant Treads & Plates

Prepared for: Adam Latham, Latham Australia Pty Ltd, 14 Tennyson Road, GLADESVILLE NSW 2111

Specimen Description: Latham Rufazel Slip Resistant Treads & Plates, 900x600 mm.

No. of Specimens: 1 off (Sampling Conducted by Client)

Specimen Preparation: Washed with water and pH neutral detergent, rinsed then dried.

Test Condition & Slope: Fuel, 0°

Test Direction: Test direction not applicable.

Air Temperature: 23°C

Test Standard: AS 4586-2013 Slip resistance classification of new pedestrian surface materials, Appendix A - Wet Pendulum Test

Test Location: ATFAH Unit 1, 64 Bridge Road, Kingsborough, 12 August 2018

Test Date: 12 August 2018

Test Equipment: Murex Slabby Pendulum Slip Resistance Tester Serial Number 3205, Calibrated 03/05/2018

Slider Rubber: Slider 55 Batch No. 404 prepared on P402 & Turn lapping film.

Test Personnel: Axel Guld

Specimen Number	1	2	3	4	5
Mean British Pendulum Number (BPN)	64	64	62	65	63
Slip Resistance Value (SRV)	64				
Classification	P5				

Prepared By: Marcus Brindle, Senior Engineering Technician, Approved Signature

Reviewed By: Axel Guld, Compliance and Test Technician

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Australian Standards are available through SAI Global, <http://www.saiglobal.com>, whilst the National Construction Code of Australia is available through the Australian Building Codes Board <http://www.abcb.gov.au>.

# SLIP RESISTANT TESTING OF STAIR TREADS

Latham Australia Pty Ltd has had independent testing carried out by a NATA accredited laboratory in Accordance with AS 4586-2013 Slip resistance classification of new pedestrian surface materials – Appendix D.

## Classification of Pedestrian Surface Materials According to the Oil-Wet Inclining Platform Test

Classification	Angle, Degrees
No Classification	<6
R9	≥6<10
R10	≥10<19
R11	≥19<27
R12	≥27<35
R13	≥35

Adapted from AS 4586-2013 Table 5

To comply with the National Construction Code Slip Resistance Requirements, the test results of the ‘Oil-Wet Inclining Platform Test’ must achieve the values R10 or above for stair tread nosings when dry and R11 or above for stair tread nosings when wet.

The established results are detailed as follows:

### Latham Suregrip Silicon Carbide Mineral Insert Treads and Nosings

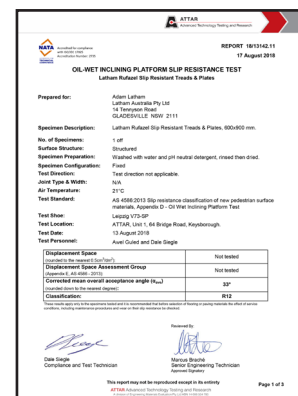
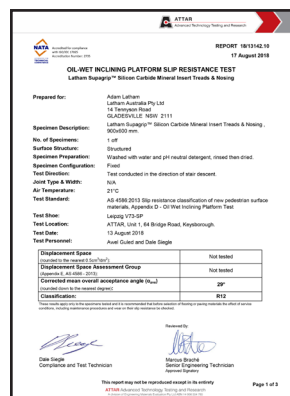
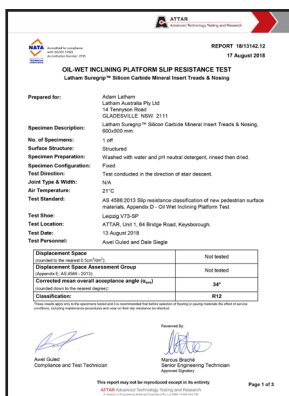
- Corrected Mean Overall Acceptance Angle 34°
- Classification according to Appendix D: R12

### Latham Supagrit Silicon Carbide Mineral Insert Treads and Nosings

- Corrected Mean Overall Acceptance Angle 29°
- Classification according to Appendix D: R12

### Latham Rufazel Slip Resistant Tread and Plate

- Corrected Mean Overall Acceptance Angle 33°
- Classification according to Appendix D: R12



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