



Latham Australia has independent testing carried out by a NATA accredited laboratory

Latham Australia Pty Ltd has had independent testing carried out by a NATA accredited laboratory in Accordance with AS/NZ 4586-2004 Slip resistance classification of new pedestrian surface materials – Appendices A, B, C & D, and AS/NZ 4663:2004 Slip resistance measurement of existing pedestrian surfaces - Appendices A & B, As well as AS 4663-2013 and AS/NZ 4663:2002.

During the preparation of this latest Latham Stair & Flooring Catalogue 14, the NATA accredited laboratory that Latham’s use was contacted, in relation to having the tests redone under AS 4586-2013 and AS 4663-2013. The NATA accredited laboratory carefully studied Appendices in the revised Standard, although the result reporting classifications have altered, the tests and methods of achieving results are very similar. The advice from the NATA accredited laboratory was that the results would be identical and as such do not require re-testing with this update of the Standards.

Wet Slip Resistant Testing

Latham Australia Pty Ltd has had independent testing carried out by a NATA approved laboratory in Accordance with AS 4586-2013 Slip Resistance Classification of new pedestrian surface materials and Appendix A and Table F1 as detailed in AS 4586-2013 and Table C1 as detailed in AS 4663-2013.

The established results are detailed as follows:

Latham Suregrip Silicon Carbide Mineral Insert Treads and Nosings

Mean British Pendulum Number (SRV) using Slider 55 (TRL) as described in Appendix A, AS 4586-2013 and AS 4663-2013: _____ 78

SRV Classification according to Table 2 AS 4586-2013 : _____ P5

Classification according to Table F1 AS 4586-2013 and Table C1 AS 4663-2013 (SCV) slope corrected ((SDV) >54 at 0 to ≥14.5°): _____ P5

Contribution of the floor surface to the risk of slipping when wet, as detailed in HB 197:1999, An Introductory Guide to the Slip Resistance of Pedestrian Surface Materials, Table 2- _____ Very Low

Classification according to Appendix A, AS/NZS 4586:2004: _____ V

Latham Supagrit Silicon Carbide Mineral Insert Treads and Nosings

Mean British Pendulum Number (SRV) using Slider 55 (TRL) as described in Appendix A, AS 4586-2013 and AS 4663-2013: _____ 60

SRV Classification according to Table 2 AS 4586-2013: _____ P5

Classification according to Table F1 AS 4586-2013 and Table C1 AS 4663-2013 (SCV) slope corrected ((SDV) >54 at 0 to 3.5°): _____ P5

Classification according to Table F1 AS 4586-2013 and Table C1 AS 4663-2013 (SCV) slope corrected ((SDV) 45-54 at 4° to 9°): _____ P4

Classification according to Table F1 AS 4586-2013 and Table C1 AS 4663-2013 (SCV) slope corrected ((SDV) 35-44 at 9.5° to 14°): _____ P3

Classification according to Table F1 AS 4586-2013 and Table C1 AS 4663-2013 (SCV) slope corrected ((SDV) 25-34 at ≥14.5°): _____ P2

Contribution of the floor surface to the risk of slipping when wet, as detailed in HB 197:1999, An Introductory Guide to the Slip Resistance of Pedestrian Surface Materials, Table 2- _____ Very Low

Classification according to Appendix A, AS/NZS 4586:2004: _____ V

Latham Rufazel Slip Resistant Tread and Plate

Mean British Pendulum Number (SRV) using Slider 55 (TRL) as described in Appendix A, AS 4586-2013 and AS 4663-2013: _____ 64

SRV Classification according to Table 2 AS 4586-2013 _____ P5

Classification according to Table F1 AS 4586-2013 and Table C1 AS 4663-2013 (SCV) slope corrected ((SDV) >54 at 0 to 6°): _____ P5

Classification according to Table F1 AS 4586-2013 and Table C1 AS 4663-2013 (SCV) slope corrected ((SDV) -54 at 6.5° to 11°): _____ P4

Classification according to Table F1 AS 4586-2013 and Table C1 AS 4663-2013 (SCV) slope corrected ((SDV) 35-44 at 11.5° to ≥14.5°): _____ P3

Contribution of the floor surface to the risk of slipping when wet, as detailed in HB 197:1999, An Introductory Guide to the Slip Resistance of Pedestrian Surface Materials, Table 2- _____ Very Low

Classification according to Appendix A, AS/NZS 4586:2004: _____ V

Latham SAF-T 2 part epoxy compound, applied with a hard roller

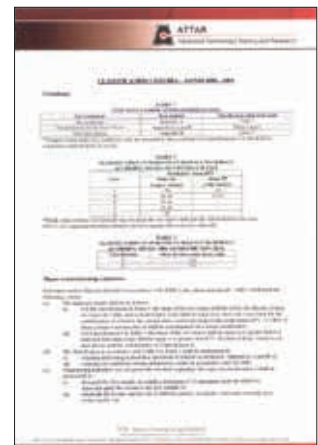
Mean British Pendulum Number (SRV) using Slider 96 (Four S) as described in Appendix A, AS 4586-2013 and AS 4663-2013: _____ 55

SRV Classification according to Table 2 AS 4586-2013: _____ P5

Classification according to Table F1 AS 4586-2013 and Table C1 AS 4663-2013 (SCV) slope corrected ((SDV) >44 at 0 to 6.5°): _____ P5

Classification according to Table F1 AS 4586-2013 and Table C1 AS 4663-2013 (SCV) slope corrected ((SDV) 40-44 at 6.5° to 8.5°): _____ P4

Classification according to Table F1 AS 4586-2013 and Table C1 AS 4663-2013 (SCV) slope corrected ((SDV) 35-39 at 9° to 11°): _____ P3



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Latham SAF-T 2 part epoxy compound, applied with a hard roller (cont...)

Classification according to Table F1 AS 4586-2013 and Table C1 AS 4663-2013 (SCV) slope corrected ((SDV) 20-34 at 11.5° to ≥14.5°): P2
Contribution of the floor surface to the risk of slipping when wet, as detailed in HB 197:1999, An Introductory Guide to the Slip Resistance of Pedestrian Surface Materials, Table 2- Very Low
Classification according to Appendix A, AS/NZS 4586:2004: V
(SRV)- Slip Resistance Value. (SCV)- Slip Correction Value. (SDV)- Slip Design Value.

Dry Slip Resistant Testing

The established results are detailed as follows:

Latham Suregrip™ Silicon Carbide Mineral Insert Treads and Nosings

Dry floor Friction Test to achieve a measurement of the coefficient of friction (COF) of pedestrian surface materials as described in Appendix B, AS 4586-2013 and AS 4663-2013, using a floor friction tester (FFT), Mean Dynamic Coefficient of Friction (COF): 0.95
Classification according to Table 3 AS 4586-2013: D1
Classification according to Table F2 AS 4586-2013 and Table C2 AS 4663-2013 (COF) slope corrected ((COF) >0.40 at 0 to ≥14.5°): D1
Classification according to Appendix B, AS/NZS 4586-2004: F

Latham Supagrit™ Silicon Carbide Mineral Insert Treads and Nosings

Dry floor Friction Test to achieve a measurement of the coefficient of friction (COF) of pedestrian surface materials as described in Appendix B, AS 4586-2013 and AS 4663-2013, using a floor friction tester (FFT), Mean Dynamic Coefficient of Friction (COF): 0.90
Classification according to Table 3 AS 4586-2013: D1
Classification according to Table F2 AS 4586-2013 and Table C2 AS 4663-2013 (COF) slope corrected ((COF) >0.40 at 0 to ≥14.5°): D1
Classification according to Appendix B, AS/NZS 4586-2004: F

Latham Rufazel™ Slip Resistant Tread and Plate

Dry floor Friction Test to achieve a measurement of the coefficient of friction (COF) of pedestrian surface materials as described in Appendix B, AS 4586-2013 and AS 4663-2013, using a floor friction tester (FFT), Mean Dynamic Coefficient of Friction (COF): 1.1
Classification according to Table 3 AS 4586-2013: D1
Classification according to Table F2 AS 4586-2013 and Table C2 AS 4663-2013 (COF) slope corrected ((COF) >0.40 at 0 to ≥14.5°): D1
Classification according to Appendix B, AS/NZS 4586-2004: F

Latham SAF-T™ 2 part epoxy compound, applied with a hard roller

Dry floor Friction Test to achieve a measurement of the coefficient of friction (COF) of pedestrian surface materials as described in Appendix B, AS 4586-2013 and AS 4663-2013, using a floor friction tester (FFT), Mean Dynamic Coefficient of Friction (COF): 0.95
Classification according to Table 3 AS 4586-2013: D1
Classification according to Table F2 AS 4586-2013 and Table C2 AS 4663-2013 (COF) slope corrected ((COF) >0.40 at 0 to ≥14.5°): D1
Classification according to Appendix B, AS/NZS 4586-2004: F

(COF)- Coefficient of Friction. (FFT)- Floor Friction Tester.

Wet Dry Classifications from above results

The established results are detailed as follows:

Latham Suregrip™ Silicon Carbide Mineral Insert Treads and Nosings

Classification according to Appendices A & B and Tables 2 & 3 of AS 4586-2013: P5/D1
Classification according to Appendices A & B of AS/NZ 4586-2004: VF

Latham Supagrit™ Silicon Carbide Mineral Insert Treads and Nosings

Classification according to Appendices A & B and Tables 2 & 3 of AS 4586-2013: P5/D1
Classification according to Appendices A & B of AS/NZ 4586-2004: VF

Latham Rufazel™ Slip Resistant Tread and Plate

Classification according to Appendices A & B and Tables 2 & 3 of AS 4586-2013: P5/D1
Classification according to Appendices A & B of AS/NZ 4586-2004: VF

Latham SAF-T™ 2 part epoxy compound, applied with a hard roller

Classification according to Appendices A & B and Tables 2 & 3 of AS 4586-2013: P5/D1
Classification according to Appendices A & B of AS/NZ 4586-2004: VF



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OIL-Wet Ramp Slip Resistant Testing

Latham Australia Pty Ltd has had independent testing carried out by a NATA approved laboratory in accordance with AS 4586-2013 Slip Resistance Classification Of New Pedestrian Materials, Appendix D, Table 5 & Table D3 and AS/NZ 4586-2004 Appendix D & Table D3 Slip Resistance Classification Of New Pedestrian Surface Materials.

The established results are detailed as follows:

Latham Supagrit™ Silicon Carbide Mineral Insert Treads and Nosings

Mean Overall Acceptance Angle: _____ 26.5

Slip Resistant Acceptance Group AS 4586-2013 Appendix D, Table 5 & Table D3, and AS/NZ 4586-2004 Appendix D & Table D3 _____ R11

Latham Rufazel™ Slip Resistant Tread and Plate

Mean Overall Acceptance Angle: _____ 32.5

Slip Resistant Acceptance Group AS 4586-2013 Appendix D, Table 5 & Table D3, and AS/NZ 4586-2004 Appendix D & Table D3 _____ R12



Accelerated Wear Test (AWT)

Although this test does not currently form part of the Australian Standard, the Accelerated Wear Test is increasing in popularity as a method for accessing individual products durability over time. A small pad is rubbed across a test area with 1kg of pressure applied this is normally done 500 or 1000 times and the product measured to see what the wear is. Latham are confident there would be no wear on our products listed here, however the test apparatuses pad has worn out after 30-40 passes over the slip resistant inserts in our products and a result cannot be achieved, it would seem this test is for far less aggressive substrates than stair tread inserts.

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>.

International Standards

Many of Latham Asbraloy and Absrabronz Safety Stair Tread Nosings and Inserts also comply with International Standards and standards of best practice. It should be noted that the Australian Standards and National Construction Code in relation to Slip Resistance and Pedestrian Access, Access to Premises and Buildings, and Design Access and Mobility are some of the most up to date in the world and are highly respected and enforced by councils and certifiers. Selected Latham profiles meet or exceed the requirements of the A.D.A (USA), The State of California Code for Stair for the visually impaired, ANSI B101.1, ANSI A1264.2, ASTM F1637, UL-410, the slip resistant requirements of the National Floor Safety Institute, ISSA (CMI), DIN51130, DIN51097, EN13845.



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