

Domus Living Australia PTY LTD
285 Holt Pde, Thomastown, VIC, 3074
ABN: 58 630 103 427



DECLARATION OF PERFORMANCES

Product: Domustone Pietra Shower Floor

Date of Issue: 10/04/2025

Version: V1.0

Performance summary for the use of Pietra shower floors

Requirements	Standard/Test	Result	Compliant
1 - Slip Resistance	AS 4586:2013	B	YES
2 - Chemical & Stain Resistance	EN 14527 2006	No surface degradation	YES
3 - Flexural Strength	EN ISO 178:2003	32.3 MPa	YES
4 - UV Stability	ISO 4892-2 + ISO 105-A02	No significant change after 1000 hrs	YES
5 - Surface Hardness	ASTM D2583-81	65 Barcol	YES
6 - Thermal Shock Resistance	EN 14527:2006	Passed (75°C to 12°C cycles)	YES
7 - Water Absorption	EN 14527:2006	<0.3% absorption	YES

Performance summary explained

1. Anti-Slip Certification

Test Standard: AS 4586-2013

Test Method Used: Wet-barefoot inclining platform test (AS 4586-2013, appendix C)

Result: B

Testing Body: Safe Environments - 4/40 Bessemer St, Blacktown, NSW, 2148

Explanation: according to AS 4586-2013 and Standard Australia Handbook 198:2014, the Class B is suitable for:

Bathrooms and en suites in hospitals and aged care facilities
Swimming pool surrounds and communal shower rooms

And exceed the minimal requirement for:

Location	Wet Pendulum Test	Oil-wet inclining platform
External Pavements and Ramps		
External ramps including sloping driveways, footpaths etc. Steeper than 1 in 14	P5	R12
External ramps including sloping driveways, foot paths etc., under 1:14, external sales areas (eg. Markets), external carpark areas, external colonnades, walkways, pedestrian crossings, balconies, verandas, carports, driveways, courtyards and roof decks.	P4	R11
Undercover car parks	P3	R10
Hotels, Offices, Public Buildings, Schools and Kindergartens		
Entries and access areas including hotels, offices, public buildings, schools, kindergartens, common areas of public buildings, internal lift lobbies.		
Wet Area	P3	R10
Transitional Area	P2	R9
Dry Area	P1 (see note 3)	R9
Toilet Facilities in offices, hotels and shopping centres	P3	R10
Hotel apartment bathrooms, en suites and toilets	P2	A
Hotel apartment kitchens and laundries	P2	R9
Supermarkets and Shopping Centres		
Fast food outlets, buffet food servery areas, food courts and fast food dining areas in shopping centres	P3	R10
Shop and supermarket fresh fruit and vegetable areas	P3	R10
Shop entry areas with external entrances	P3	R10
Supermarket aisles (except fresh fruit areas)	P1 (see note 3)	R9
Other separate shops inside shopping centres - wet	P3	R10
Other separate shops inside shopping centres - dry	P1 (see note 3)	R9
Loading docks, Commercial Kitchens, Cold Stores, Servicing areas		
Loading docks undercover and commercial kitchens	P5	R12
Servicing areas behind bars in public hotels and clubs, cold stores and freezers	P4	R11
Swimming pools and Sporting Facilities		
Swimming pool ramps and stairs leading to water	P5	C
Swimming pool surrounds and communal shower rooms	P4	B
Communal changing rooms	P3	A
Undercover concourse areas of sports stadiums	P3	R10
Hospitals and Aged Care Facilities		
Bathrooms and en suites in hospitals and aged care facilities	P3	B
Wards and corridors in hospital and aged care facilities	P2	R9

Slip Check to AS 4586-2013
Pietra Shower Floor

Report Number: R31781
Report Date: 30 July 2024
Total Number of Pages 2

Accredited for compliance with ISO/IEC 17025 – Testing

NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration, inspection, proficiency testing scheme providers and reference materials producers reports and certificates

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Issued by

Safe Environments Pty Limited
Unit 4, 40 Bessemer Street
Blacktown NSW 2148

Prepared for

Domus Living Australia Pty Ltd
285 Holt Parade
Thomastown VIC 3074

Approved by


Ratan Venkatesan
Authorised Signatory

30 July 2024
AS 4586-2013 Template Rev_8
R31781 - Slip Check, Pietra Shower Floor

Page 1 of 2

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Hotel apartment bathrooms, en suites and toilets

SLIP RESISTANCE GUIDELINES SA HB 198:2014 – TABLE 3B:

30 July 2024

Test Report No. R31781

Slip Resistance Classification of New Pedestrian Surface Materials

AS 4586-2013 Appendix C (Wet-Barefoot Inclining Platform Test)

The slip resistance classification has been determined for unused surfaces under specific conditions. Factors such as usage, cleaning systems, applied coatings and patterns of wear may affect the characteristics of the surface after classification. Standards Australia Handbook 198:2014 *Guide to the specification and testing of slip resistance of pedestrian surfaces* provides guidance for the selection of slip resistant pedestrian surfaces classified in accordance with AS 4586-2013. It is recommended that this test report be read in conjunction with AS 4586 and HB 198.

Requested by: Domus Living Australia Pty Ltd
Client Address: 285 Holt Parade
Thomastown VIC 3074
Product Manufacturer: Domus Living
Product Description: Pietra Shower Floor
Surface Structure: Profiled
Fixed/Unfixed: Unfixed

Test conducted according to: AS 4586-2013 Appendix C
Sampling Procedures: Performed by client and tested as received.
Location: 4/40 Bessemer Street, Blacktown NSW 2148
Conducted by: Ratan Venkatesan & Mathew Sutton

Date: 30 July 2024
Cleaning: As Received
Air Temperature: 16°C

Displacement Space: Not Measured
Displacement Space Assessment Group: N/A

Critical Angle of Verification Surface A	11.8°
Critical Angle of Verification Surface B	18.8°
Critical Angle of Verification Surface C	23.7°
Critical Angle of Test Surface	20°
Slip Resistance Classification / Quality Group:	B

The expanded uncertainty (U_{95}) at the 95% level of confidence with a coverage factor (k) of 2 has been estimated to be 3 degrees; sampling uncertainty has not been included. The expanded uncertainty should be considered when interpreting results or assessing conformity. To improve accuracy of the method, corrections have been made consistent with CEN/TS 16165:2016 Appendix A. Results relate only to items tested.

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2. Chemical and Stain Resistance

Test Standard: EN 14527 2006

Result: Passed

Explanation: the material must resist discolouration or damage when exposed to common household and bathroom chemicals (e.g., shampoo, cleaning agents..). Domus Shower Floors were exposed to common household chemicals and stains such as acetic acid, ethanol, sodium hydroxide, methylene blue, sodium chloride for a set period of time. No permanent staining or surface deterioration was observed, ensuring durability and hygiene in wet areas. Harsh chemicals (such as bleach) are not recommended for cleaning Domus shower floors.

3. Resistance to distortion

Test Standard: EN ISO 178:2003

Result: Passed

Explanation: the compliance with flexural strength requirements for composite materials. The test, performed using a three-point bending method, demonstrated excellent rigidity and structural integrity under load. The material resists deformation and maintains its shape during use, ensuring long-term stability and safety in both residential and accessible (NDIS) bathroom environments.

4. UV Resistance

Test Standard: ISO 4892-2 (long term exposure to UV radiations)

Result: Passed

Explanation: The test was conducted over a duration of 1,000 hours, replicating real-life environmental conditions including UV radiation, heat, and humidity. The results confirmed excellent resistance to UV-related degradation, with no significant discolouration, cracking, or surface deterioration observed.

5. Impact Resistance Test

Test Standard: ASTM D2583-81

Result: 65 Barcol

Explanation: the material achieved a high level of surface hardness and excellent resistance to indentation, scratching, and wear. This result confirms the product's durability under regular use in wet areas

6. Thermal Shock Resistance

Test Standard: EN 14527 2006

Result: Passed

Explanation:

The product was subjected to a controlled flow of 90 litres of water at 0.15 L/s at a temperature of 75°C, immediately followed by 90 litres of water at 0.15 L/s at 12°C. This test replicates sudden changes in water temperature during regular use. The Domus shower floor passed the test with no visible cracking, warping, or surface deterioration, confirming its excellent resistance to thermal stress and long-term reliability in real-world bathroom environments.

7. Water absorption

Test Standard: UNI EN ISO 62:2001

Result: <0.3%

Explanation:

The material exhibited a water absorption rate of less than 0.3%, indicating excellent resistance to moisture ingress and dimensional stability. This result confirms the product's suitability for continuous use in wet environments, including showers, without risk of swelling, warping, or surface deterioration.

FINAL CONSIDERATIONS:

The Domus Shower Floors have undergone comprehensive testing in accordance with internationally recognized standards to confirm their performance, durability, and suitability for modern bathroom environments.

Through rigorous evaluations of slip resistance, flexural strength, chemical and stain resistance, thermal shock performance, UV stability, surface hardness, and water absorption, Domus Shower Floors have consistently demonstrated high quality, safety, and reliability. With a water absorption rate of less than 0.3% and excellent performance under both mechanical and environmental stress, the product is proven to maintain its structural and aesthetic integrity over time.

Thanks to these results, Domus Shower Floors are fully suitable for use across a wide range of applications — including residential homes, multi-residential developments, hotels, retirement villages, and NDIS-compliant accessible bathrooms — offering a safe, hygienic, and low-maintenance solution for both standard and specialist environments.