

Sadlerstone Technical Specifications

Technical

	10mm 3/8'	15mm 5/8'	20mm 3/4'	25mm 1'	40mm 1 1/2'
Recommended maximum width / length ratios	1 : 1	1 : 1.5	1 : 2	1 : 2	1 : 3
Tiles: average kilograms per square meter (kg/m ²)	25	38	50	63	100
Tile: average pounds per square foot (lb/ft ²)	5	7.5	10	12.5	20

Tile Tolerances

Typical	Size/Rectangularity: ± 0.75mm Thickness: ± 0.5 – 1.5mm Max Curvature: ± 0.5%
Installation	Flooring: Adhesive fix only using materials and procedures in Sadlerstone technical literature. Cladding: Adhesive or mechanically fix.
Recommended Grout Joints	Flooring: 2 mm – 5 mm (1/8" – 1/4") or minimum 0.5% of long side of tile. Cladding: As specified for installation method/materials (min 0.5%).
Expansion Joints	As per engineer's details or maximum intervals of 6m (20') for interior and 4.5m (15') for exterior applications.
Sealing	Supplied with impregnating primer seal. Apply further impregnator after initial clean. As surface is subject to acid aggression (eg. lemon juice, vinegar), food area tiles should be fully sealed.
Colour Fastness	Negligible change in colour over 5 years.
Warranty	A limited warranty against wear is provided.

Slip and Durability Tests Conducted by Smith-Emery Laboratories, California, USA

Test Type	Results									
Static Coefficient of Friction (ASTM C 1028-96) <i>Smooth tile after cleaning</i>	<table border="1"> <thead> <tr> <th>Test Condition</th> <th>Individual SCOF</th> <th>SCOF (Neolite Correction Factor)</th> </tr> </thead> <tbody> <tr> <td>Dry Neolite</td> <td>0.85</td> <td>(0.86)</td> </tr> <tr> <td>Wet Neolite</td> <td>0.88</td> <td>(0.85)</td> </tr> </tbody> </table>	Test Condition	Individual SCOF	SCOF (Neolite Correction Factor)	Dry Neolite	0.85	(0.86)	Wet Neolite	0.88	(0.85)
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Dry Neolite	0.89	(0.90)								
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Abrasion Resistance (ASTM C 1353-96)	Average Abrasive Wear Index: 178									
Robinson Floor Test	HEAVY COMMERCIAL Classification as per TCA installation handbook									
Freeze/Thaw	No significant change or material erosion after 25 cycles									

Strength Tests Australian Laboratories

Test Type	Results	Test Type (AS/NZS 4586 – 2004)	BPN*	Class
Compressive Strength (min)	60 mpa (8,702 psi)	Smooth Tile: Wet Slip	36	X
Flexural Strength	60 mpa (8,702 psi)	Textured Tile: Wet Slip	62	V
		Terrazzo Tile: Wet Slip	59	V

*BPN = British Pendulum Number. Class refers to Australian Standard (AS/NZS 4586 - 2004) for slip resistance. The Australian standard states that "factors such as usage, cleaning systems, applied coatings and patterns of wear may affect the characteristics of the surface after classification."