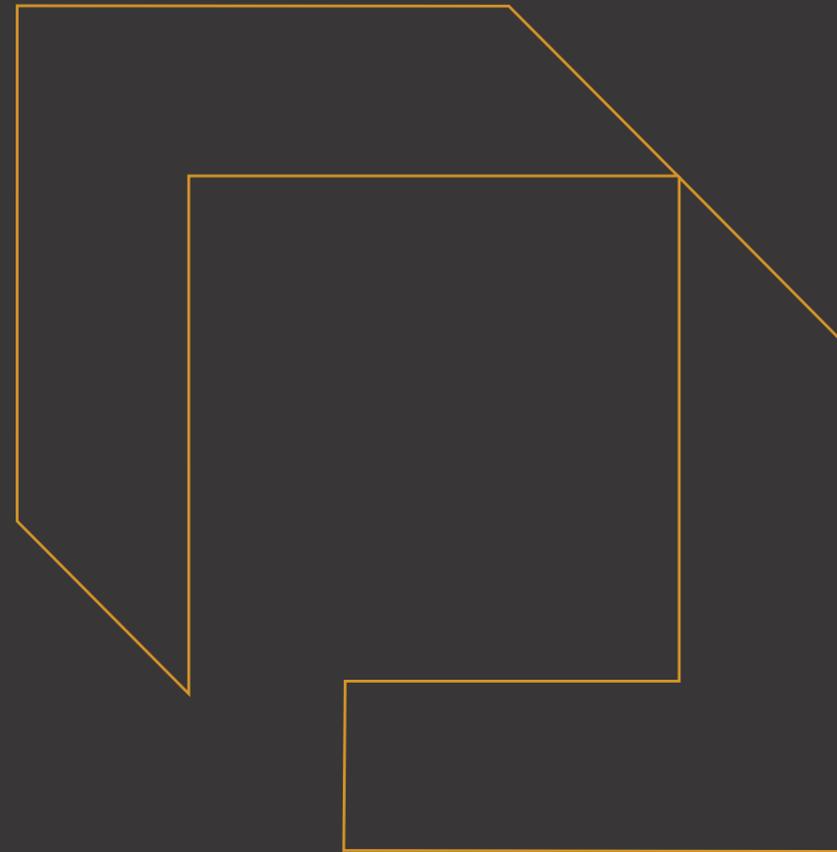


Petra Stone

Technical Specification and Installation Guide





San Remo Suede

San Remo Suede is a warmer neutral colour selection of stone available in both stone tile and slab format.

The appearance is that of ancient marble statues weathered over time, yet is supplied with clean edge detailing suitable for contemporary architecture.

The surface has a fine grained appearance, small deposits of minerals, crystals, blemishes and small topical fissures.

Suede Petra Marble
Specification covers
how the stone should
be sealed to ensure the
best possible result.



Slique Sealing Specification

Pre-grout process

- » Tiles should be laid using suitable glue or mechanical fixing and left for at least 48 hours to dry.
- » Once dry remove surface residue and contamination, and apply Aquamix Sealers Choice Gold. This will reduce the absorbency of the marble, reducing the risk of grout ingress, grout staining, and help protect over the construction phase.
- » 24hrs after sealing the tiles can be grouted as normal. If required the tiles can then be covered (protected) with Ram board to reduce the chance of damage over construction.

Post-grout process

- » At least 48 hours after grout is applied the tiles can receive a final clean to remove any contamination or staining, and once dry Aquamix Sealers Choice Gold sealer again should be applied. Ensure the tiles are kept dry for at least 8 hours post sealer application to ensure the sealer bonds properly into the surface.

Acid sensitivity

- » It is important to note that the sealer specified is a natural look penetrating sealer, sitting inside the surface of the stone, and as such will not protect the calcium based stone from etching if exposed to acidic substances. Slique can remove etching when required.

Professional application

- » If you would like professional sealer application Slique would be happy to assist. They can be contacted on 09 414 2910 or through www.slique.co.nz

Specifications and sizes

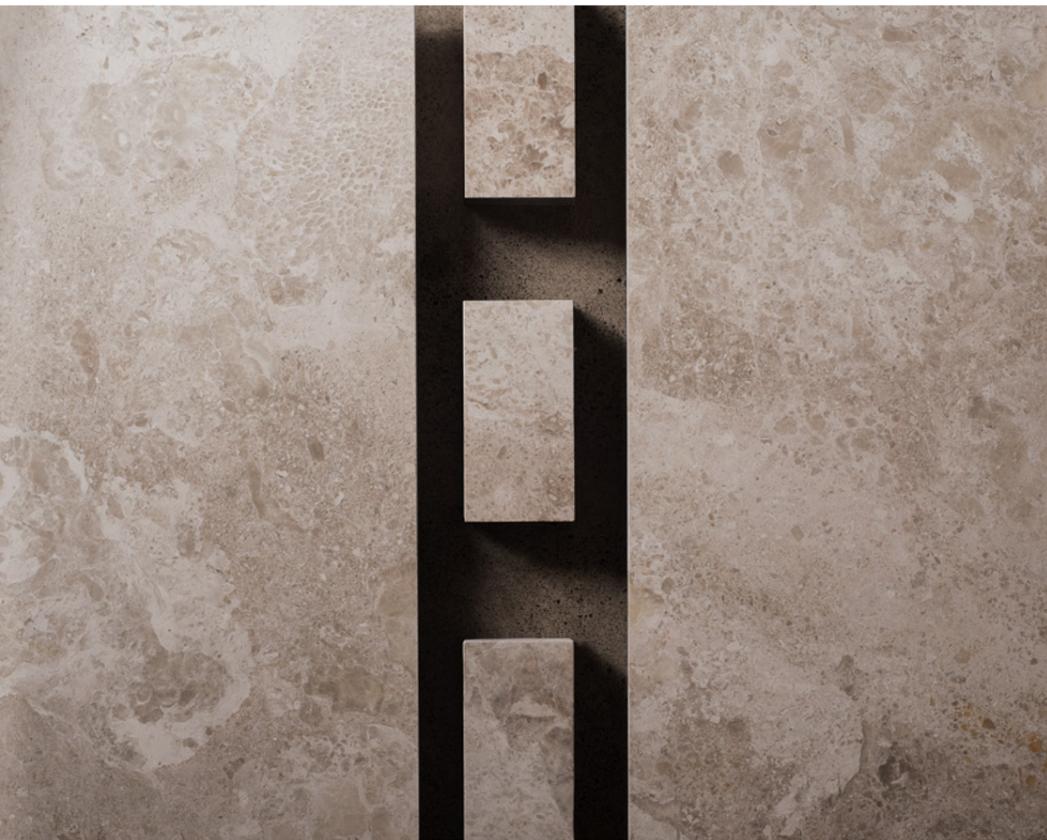
- » 600x600x20mm (stock)
- » 600x350x30mm coping /bullnose (matching) (stock)
- » Interior and exterior applications
- » Custom orders with varying size options on indent only.

San Remo Honed

San Remo Honed brings to life the character of ancient fossilized sea corals in the marble.

Honed is a sleek matt surface finish. Suitable for all interior floor/wall application and exterior wall cladding.





Slique Sealing Specification

Pre-grout process

- » Tiles should be laid using suitable glue or mechanical fixing and left for at least 48 hours to dry.
- » Once dry remove surface residue and contamination, and apply Lithofin Stain Stop MN. This will reduce the absorbency of the marble, reducing the risk of grout ingress, grout staining, and help protect over the construction phase.
- » 24hrs after sealing the tiles can be grouted as normal. If required the tiles can then be covered (protected) with Ram board to reduce the chance of damage over construction

Post-grout process

- » At least 48 hours after grout is applied the tiles can receive a final clean to remove any contamination or staining, and once dry Lithofin Stain Stop MN sealer again should be applied. Ensure the tiles are kept dry for at least 8 hours post sealer application to ensure the sealer bonds properly into the surface.

Acid sensitivity

- » It is important to note that the sealer specified is a natural look penetrating sealer, sitting inside the surface of the stone, and as such will not protect the calcium based stone from etching if exposed to acidic substances. Slique can remove etching when required.

Professional application

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Specifications and sizes

- » Interior application
- » Custom orders with varying size options on indent only.

Honed Petra Marble Specification covers how the stone should be sealed to ensure the best possible result.





Sasaab Suede

Sasaab Suede is a cool sandy cream grey combination. The overall feel of the stone has a strong connection with historical ruins weathered and softened over thousands of years in appearance.

Suitable for high traffic commercial flooring/
residential floor and wall and exterior cladding.



Suede Petra Marble Specification covers how the stone should be sealed to ensure the best possible result.

Slique Sealing Specification

Pre-grout process

- » Tiles should be laid using suitable glue or mechanical fixing and left for at least 48 hours to dry.
- » Once dry remove surface residue and contamination, and apply Aquamix Sealers Choice Gold. This will reduce the absorbency of the marble, reducing the risk of grout ingress, grout staining, and help protect over the construction phase.
- » 24hrs after sealing the tiles can be grouted as normal. If required the tiles can then be covered (protected) with Ram board to reduce the chance of damage over construction.

Post-grout process

- » At least 48 hours after grout is applied the tiles can receive a final clean to remove any contamination or staining, and once dry Aquamix Sealers Choice Gold sealer again should be applied. Ensure the tiles are kept dry for at least 8 hours post sealer application to ensure the sealer bonds properly into the surface.

Acid sensitivity

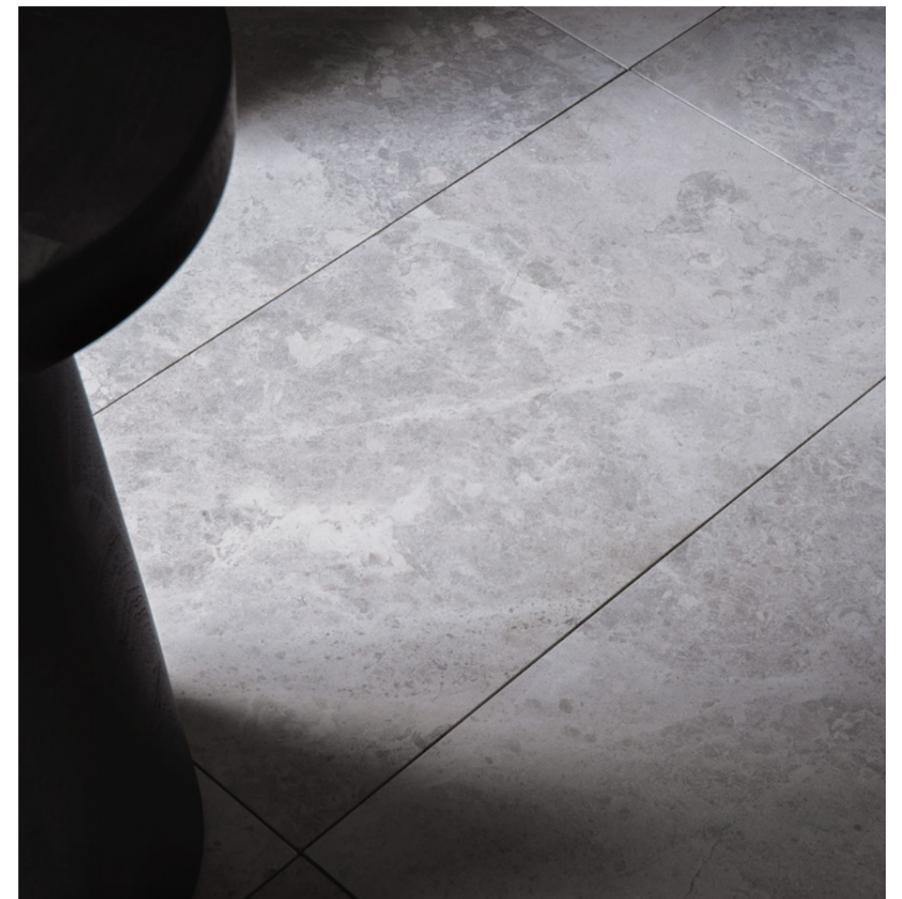
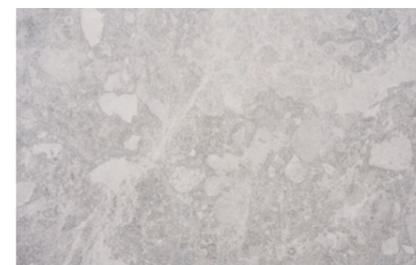
- » It is important to note that the sealer specified is a natural look penetrating sealer, sitting inside the surface of the stone, and as such will not protect the calcium based stone from etching if exposed to acidic substances. Slique can remove etching when required.

Professional application

- » If you would like professional sealer application Slique would be happy to assist. They can be contacted on 09 414 2910 or through www.slique.co.nz

Specifications and sizes

- » 800x400x20mm (stock)
- » 800x350x30mm coping /bullnose (matching) (stock)
- » Interior and exterior applications
- » Custom orders with varying size options on indent only.





Sasaab Honed

Sasaab Honed is a slightly warmer tone to the Sasaab Suede. When honed it increases the champagne colour tones coming through the stone.

Honed is a sleek matt surface finish suitable for interior floor/wall application and exterior wall cladding.

Honed Petra Marble
Specification covers
how the stone should
be sealed to ensure the
best possible result.

Specifications and sizes

- » Custom made to order
- » Interior application



Slique Sealing Specification

Pre-grout process

- » Tiles should be laid using suitable glue or mechanical fixing and left for at least 48 hours to dry.
- » Once dry remove surface residue and contamination, and apply Lithofin Stain Stop MN. This will reduce the absorbency of the marble, reducing the risk of grout ingress, grout staining, and help protect over the construction phase.
- » 24hrs after sealing the tiles can be grouted as normal. If required the tiles can then be covered (protected) with Ram board to reduce the chance of damage over construction

Post-grout process

- » At least 48 hours after grout is applied the tiles can receive a final clean to remove any contamination or staining, and once dry Lithofin Stain Stop MN sealer again should be applied. Ensure the tiles are kept dry for at least 8 hours post sealer application to ensure the sealer bonds properly into the surface.

Acid sensitivity

- » It is important to note that the sealer specified is a natural look penetrating sealer, sitting inside the surface of the stone, and as such will not protect the calcium based stone from etching if exposed to acidic substances. Slique can remove etching when required.

Professional application

- » If you would like professional sealer application Slique would be happy to assist. They can be contacted on 09 414 2910 or through www.slique.co.nz

Test results

Method	Test/Parameter	Results	Spec. Limits
ASTM C97/C97M-09	Mean Water Absorption, weight %	0.24	N/A
	Mean Bulk Specific Gravity	2.683	N/A
ASTM C 170-14	Mean Compressive Strength, Perpendicular to rift, MPA Dry	164	N/A
	Mean Compressive Strength, Perpendicular to rift, MPA Wet	148	N/A
ASTM C 99/C 99M-09	Modulus of Rupture, Perpendicular to rift MPA (Average of 5 specimens) Dry	12.0	N/A
	Modulus of Rupture, Perpendicular to rift MPA (Average of 5 specimens) Wet	11.5	N/A
ASTM C880/C 880M-09	Flexural of Rupture, Perpendicular to rift MPA (Average of 5 specimens) Dry	7.5	N/A
	Flexural of Rupture, Perpendicular to rift MPA (Average of 5 specimens) Wet	7.0	N/A

Slique Sealing Specification



Petra (Sasaab & San Remo) (salt water environment)

Prepared for European Ceramics

Petra Marble tiles are being laid near a salt water source and this specification covers how the tiles should be sealed to ensure the best possible result.

Pre-grout process

» For best protection tiles should be dip sealed in Solutions Sealers Consolidate Sealer before they are laid. It is important to note that sealing the underside can create a bond breaker, so testing to ensure the correct adhesives are used is important to avoid this issue. Consolidating sealers reduce the chance of salt spalling, and sealing all sides ensures that no matter where moisture gets in the stone is protected to the highest level.

» Once cured tiles should be laid using suitable glue or mechanical fixing and left for at least 48 hours to dry before being grouted as normal. If required the tiles can then be covered (protected) with Ram board to reduce the chance of damage over construction.

Post-grout process

» At least 48 hours after grout is applied the tiles can receive a final clean to remove any contamination or staining, and once dry Solutions Sealers Consolidate should again be applied. Ensure the tiles are kept dry for at least 8 hours post sealer application to ensure the sealer bonds properly into the surface.

Acid sensitivity

» It is important to note that the sealer specified is a natural look penetrating sealer, sitting inside the surface of the stone, and as such will not protect the calcium based stone from etching if exposed to acidic substances. Slique can remove etching when required.

Spalling

» Sealing as above is the best process to avoid spalling, but still cannot guarantee to stop the problem completely. There is risk in using a softer stone around salt water environments.

Professional application

» If you would like professional sealer application Slique would be happy to assist. We can be contacted on 09 414 2910 or through www.slique.co.nz

SLIP RESISTANCE TEST REPORT



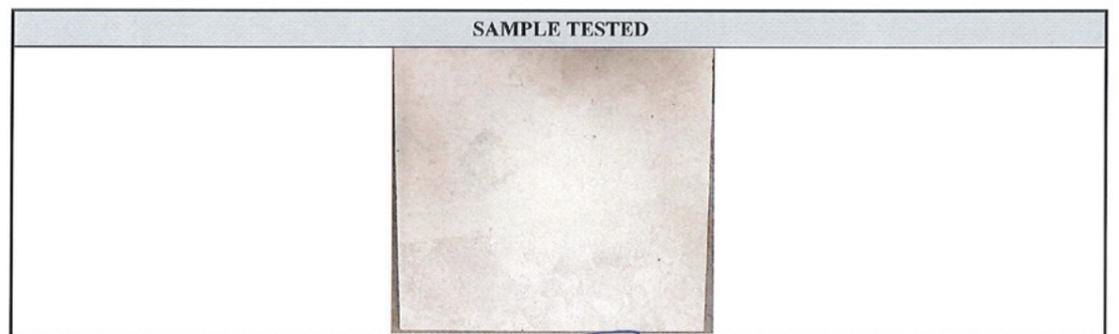
Project : Slip Resistance Investigation
 Location of Test : Auckland Laboratory
 Client : European Ceramics & Stone Ltd
 Slider type : FOUR-S, Prepared on P 400 (or equivalent) sand paper & Wet Lapping film.
 Specimen Description : SASAAB / SAN REMO / ZEBRA VEIN CUT – SUEDE FINISH

Cleaning Procedure : Wet Brush
 Test Type : Unfixed
 Air Temp at Test (°C) : 20

Project Number : I-LA070.00
 Lab Ref. Number : AL4265/1
 Client Ref. Number : -

SLIP RESISTANCE TEST RESULTS			
Test № :	Test Direction :	Mean BPN :	Mean Coefficient of Friction* :
1	N/A	54	0.59
2		54	0.59
3		52	0.56
4		53	0.57
5		54	0.59
Average (SRV) :		53	0.58
Classification of pedestrian surface material in accordance with table 2, AS 4586:2013 :			P4

TEST METHOD
Tests were carried out in accordance with Appendix A, AS 4586:2013 *Coefficient of friction obtained from: AS/NZS 3661.1 : 1993 Slip Resistance of Pedestrian Surfaces.



Tested By : G. Sandford
 Designation : Civil Engineering Technician
 Date Tested : 2/10/19

LAF026 (08/17)

WSP Opus
 Auckland Laboratory
 Quality Management Systems Certified to ISO 9001

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