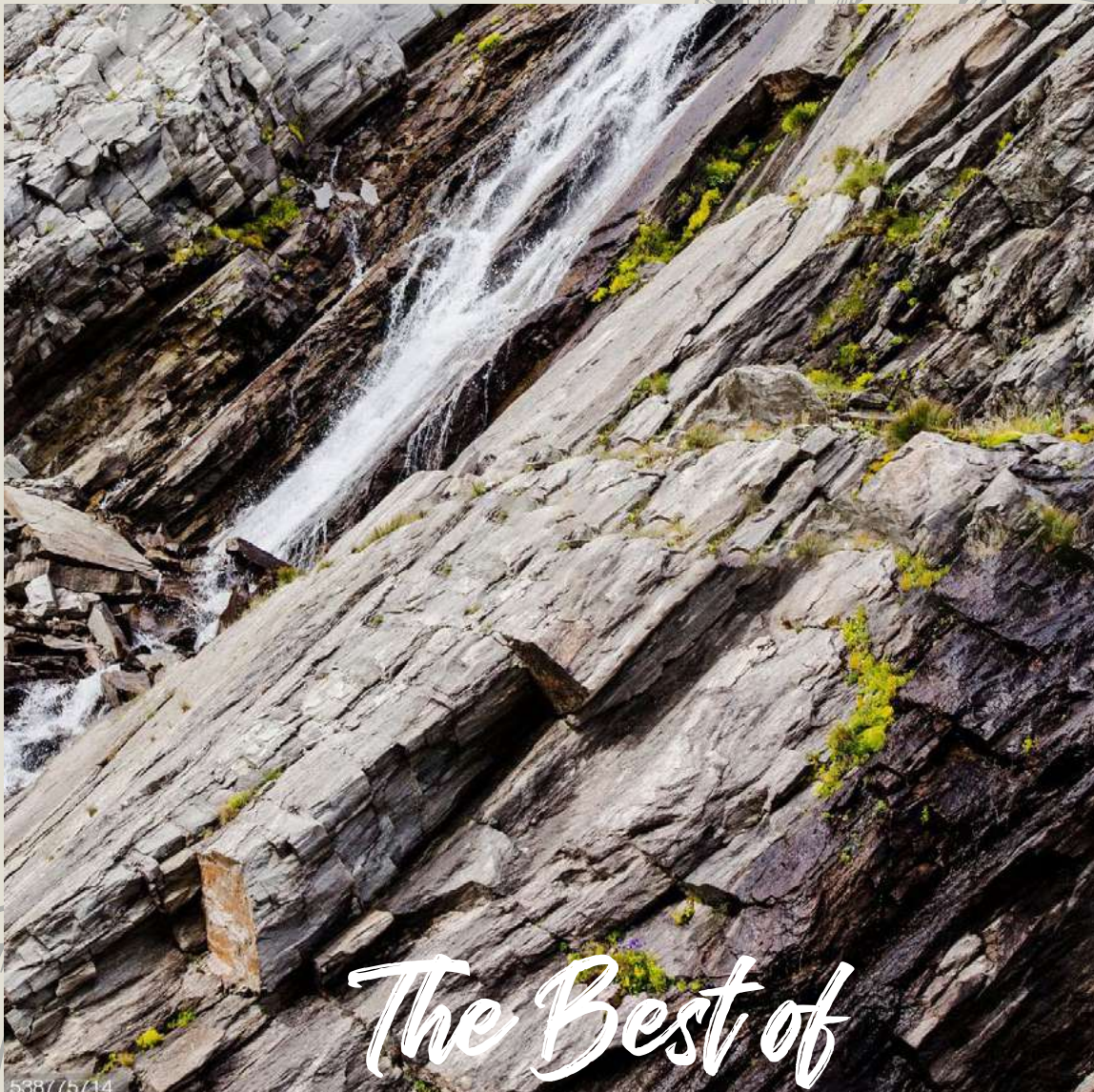


RUTH



538775/14

The Best of

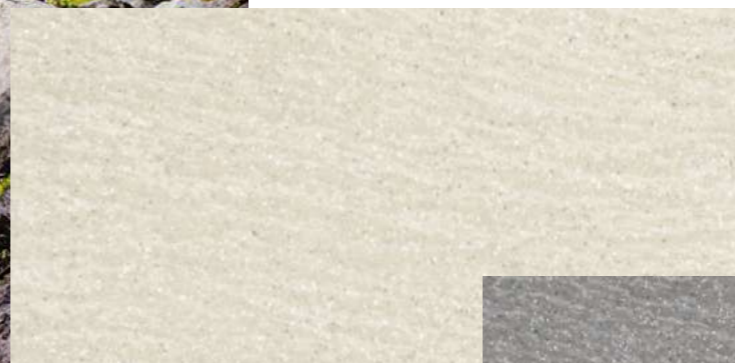
Country Living



RUTH

THE BEST OF COUNTRY LIVING

Ruth manifests the countryside's exquisite atmosphere of tranquility to bring peace and harmony to your spaces. Its dusty tones with surfaces that mimic the texture of natural bark.



RUTH
THE BEST OF COUNTRY LIVING

PORTINO
BY NIBO CERAMIC GROUP



WALL: PRT01 Ronan . 30x60cm . structured | **FLOOR:** PRT03 Raven .30x60cm . structured

RUTH
THE BEST OF COUNTRY LIVING



FLOOR: PRT03 Raven . 30x60cm . structured



WALL: PRT02 Rico . 30x60cm . structured

RUTH

THE BEST OF COUNTRY LIVING

PRT01
RONAN

-



30x60cm
structured

-

V2

RUTH

THE BEST OF COUNTRY LIVING

PRT02
RICO

-



30x60cm
structured

-

V2

RUTH

THE BEST OF COUNTRY LIVING

PRT03
RAVEN

-



30x60cm
structured

-

V2

PORTINO TECHNICAL SPECIFICATION

| DESCRIPTION | STANDARD TEST | MEASUREMENT UNIT | PORCELAIN (Group Bla) | | | |
|--|-------------------|-------------------------|--------------------------------------|-----------|------|---------------|
| | | | mm | Rectified | mm | Non Rectified |
| Length & Width | MS ISO 10545-2 | mm | ±1.0 | ±0.30% | ±2.0 | ±0.60% |
| Thickness | MS ISO 10545-2 | mm | ±0.5 | ±5.00% | ±0.5 | ±5.00% |
| Sides Straightness | MS ISO 10545-2 | mm | ±0.8 | ±0.30% | ±1.5 | ±0.50% |
| Rectangularity | MS ISO 10545-2 | mm | ±1.5 | ±0.30% | ±2.0 | ±0.50% |
| Flatness : a) Centre curvature b) Edge curvature c) Warpage | MS ISO 10545-2 | mm | ±1.8 | ±0.40% | ±2.0 | ±0.50% |
| | MS ISO 10545-2 | mm | ±1.8 | ±0.40% | ±2.0 | ±0.50% |
| | MS ISO 10545-2 | mm | ±1.8 | ±0.40% | ±2.0 | ±0.50% |
| Surface Quality | MS ISO 10545-2 | One Major Area of Tiles | Min. 95% free from defects | | | |
| Water Absorption | MS ISO 10545-3 | Mass | Ev ≤ 0.5% | | | |
| Breaking Strength : a) Thickness ≥ 7.5mm b) Thickness < 7.5mm | MS ISO 10545-4 | N | Not less than 1300N | | | |
| | MS ISO 10545-4 | N | Not less than 700N | | | |
| Modulus of Rupture : a) Thickness ≥ 7.5mm b) Thickness < 7.5mm | MS ISO 10545-4 | N/mm ² | Minimum 35 | | | |
| | MS ISO 10545-4 | N/mm ² | Individual Minimum 32 | | | |
| Abrasion Resistance Surfaces Abrasion for glazed tiles | MS ISO 10545-7 | Visual Check | ≥ PEI 3 (Dependent on product type)* | | | |
| Crazing Test (glazed tiles)' | MS ISO 10545-11 | Visual Check | Required | | | |
| Frost Resistance | MS ISO 10545-12 | Visual Check | Required | | | |
| Chemical Resistance a) Low concentrations b) Household chemicals and swimming pool salts | MS ISO 10545-13 | Visual Check | Manuf. To State | | | |
| | MS ISO 10545-13 | Visual Check | Minimum B | | | |
| Stain Resistance For glazed tiles | MS ISO 10545-14 | Visual Check | Minimum class 3 | | | |
| Slip Resistance (Excluding Polished, Lappato and Matt Satin finishing) | AS/NZS 4586 App.A | Visual Check | Wet Pendulum: Structured - P3 | | | |

Each different tile series are produced to meet different performance requirements. For specific product technical performance, please request from Portino sales team, their agent or distributor. The tile designs in each carton are random and may or may not be the same.

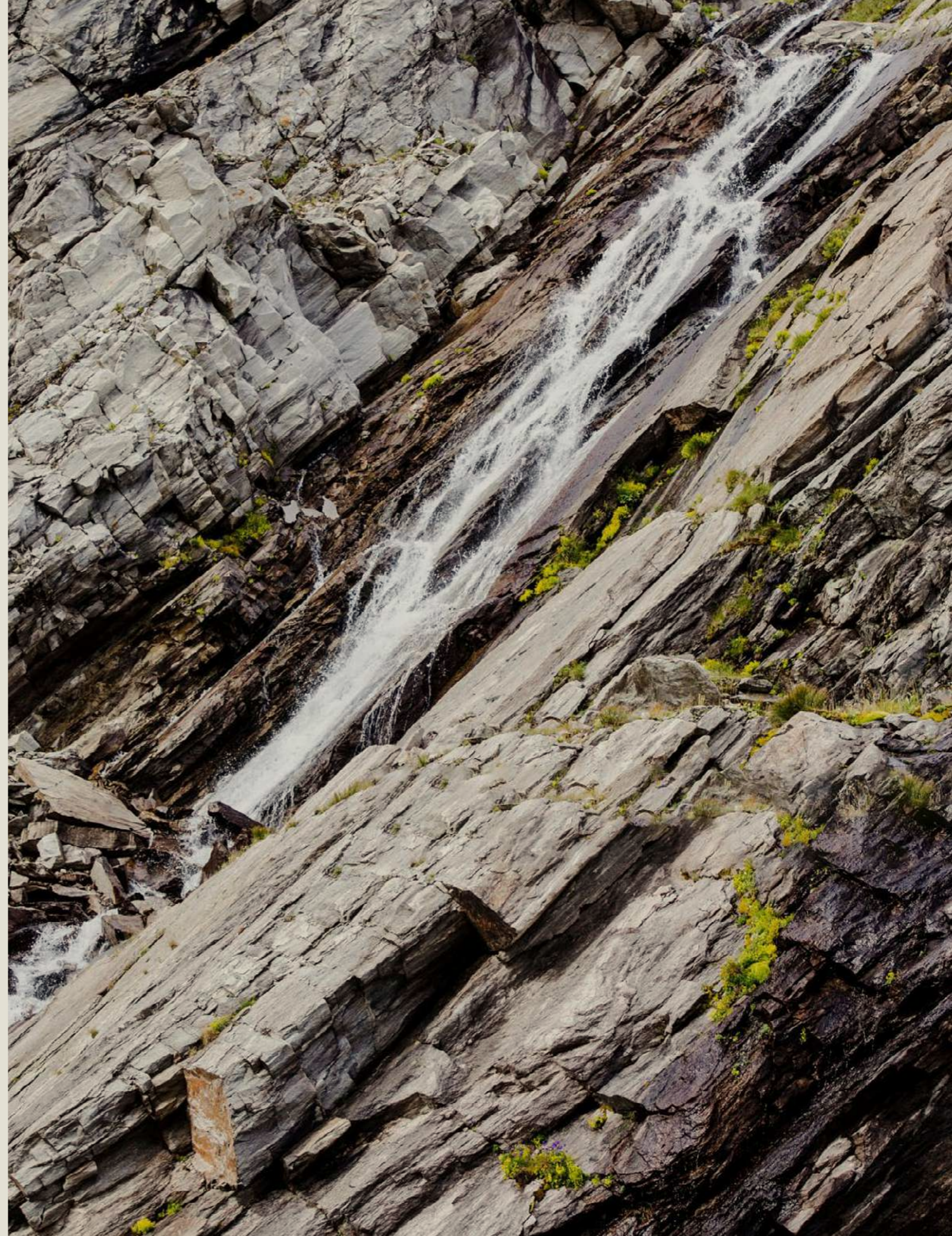
* Refer to test report for specific test result.

Colour Variations: Since the colour reproduction in this printed piece will vary from the actual tile colours, final selection should be made from tile samples. Colour, shade and glaze variations may exist due to the inherent characteristics of porcelain tile.

Due to the low porosity of porcelain tiles, an Improved High Performance Cementitious adhesive in accordance to BS/EN 12004 & ISO 13007-1 is highly recommended for proper installation. Products that meet this standard are available amongst leading adhesive manufacturers. Please seek expert advice from adhesive manufacturers for proper selection and application.

RUTH

THE BEST OF COUNTRY LIVING





NIRO CERAMIC GROUP

Lot 2, Persiaran Sultan, Seksyen 15,
40200 Shah Alam, Selangor, Malaysia.
T +603 5033 9333 F +603 5033 9323

www.nirogranite.com

