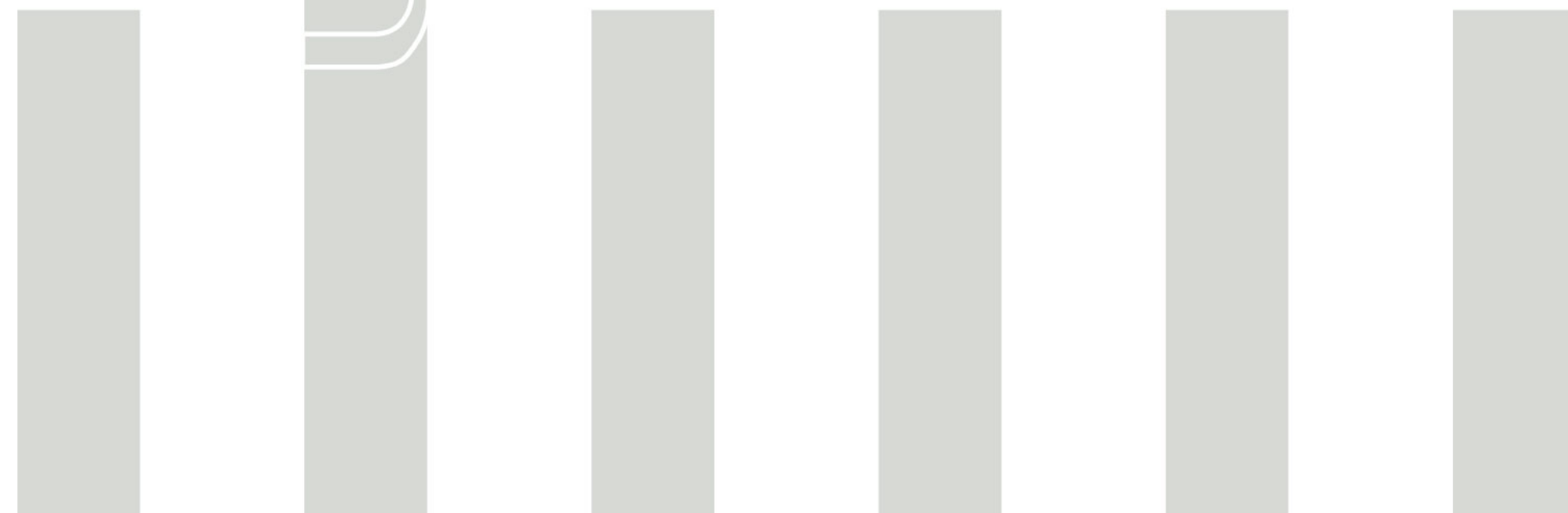




20mm
UNIQUELY DIFFERENT

step | step.1



20mm

20mm
UNIQUELY DIFFERENT

step | step.1

Be mesmerized by the fascination of Step,
the masculinely charming magnetizer by Niro Granite.
Designed exclusively for outdoor applications, Step takes a
page out of the distinctive natural limestone that evokes a sense of dominance and
sophistication. Step is obtainable in structured surface with a spectacular thickness of
20mm and comes in six decorative and functional range of accessories to create an
outdoor environment of character and candour.

Presented in an extensive variation of stunning dusky colours,
Step is the ultimate manifestation of superiority marking it
completely, and uniquely different.



20
mm



/ Raised
installation

/ Stepthread
Accessories | 60x30cm

/ Traditional Adhesive
installation

/ Onto Grass
installation

/ Trench Drains
Accessories | 60x30cm

CHARACTERISTIC & ADVANTAGES of 20mm tile

Every piece of Step is uniquely different. It is perfectly squared and rectified with a size of 600 x 600mm and a thickness of 20mm. Step is available in four tone variations which emphasizes on its random design structures. Step guarantees a high resistance to pressures with its sturdy 20mm thickness. Furthermore, the structured surface ensures anti-slip properties, making Step uniquely configured for commercial indoor and public outdoor areas.

Step offers the consumers ease of mind in terms of installations; with four solutions available depending on the usage. Step is designed to be long lasting and appealing. It is functional and versatile. It is suitable for any outdoor settings and as well as commercial indoors applications, such as terraces, gazebos, gardens, attics, public spaces, bars, wellness centers, swimming pools bathing resorts and many other suitable places.



RAISED INSTALLATION

means paving onto an auto-levelling head. It does not require additional screed coat. Such an installation guarantees a decrease of weight on the supporting structure and it is easily removed by simply lifting the slabs. This installation solution is suitable for outdoor settings which require technical or power-driven supplies underlying the foot plan.



INSTALLATION ONTO GRAVEL

is simple, effective and functional. The compact and density properties of Step enable it to be laid on the ground without the need of any concrete screed coat.



TRADITIONAL ADHESIVE INSTALLATION

is highly resistant, durable and vigorous. The long lasting properties makes this suitable for outdoor carriage-able paths with high volume of movements and heavy traffic.



INSTALLATION ONTO GRASS

can be removed and re-use elsewhere. It is highly flexible. It can be taken up and out easily without the need for special equipments of qualified technicians. Installation onto grass is the perfect choice for outdoor residential such as gardens, parks, patios as well as any public outdoor venues.



IDEA for swimming poolside solutions

STEP is created to meet the needs of planners who are looking for continuity and integration in swimming pool projects, offering quality products, highly reliable and impeccable in terms of aesthetics and technical performance as well as a selection of trim tiles and accessories to meet any need.



/ Trench Drains
Accessories | 60x30cm

/ Bullnose
Accessories | 60x30cm

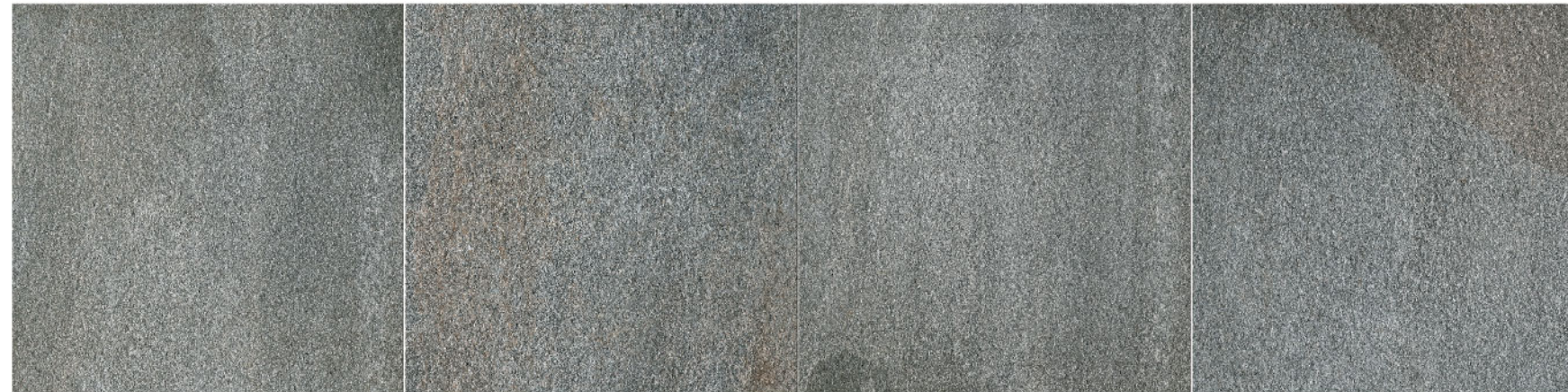
/ Traditional Adhesive
installation

step ^{20 mm}



STEP | GTH01 Timber Wolf

60x60cm • structured



STEP | GTH02 Gun Metal

60x60cm • structured

step.1 ^{20 mm}



STEP.1 | GTH04 Smoke

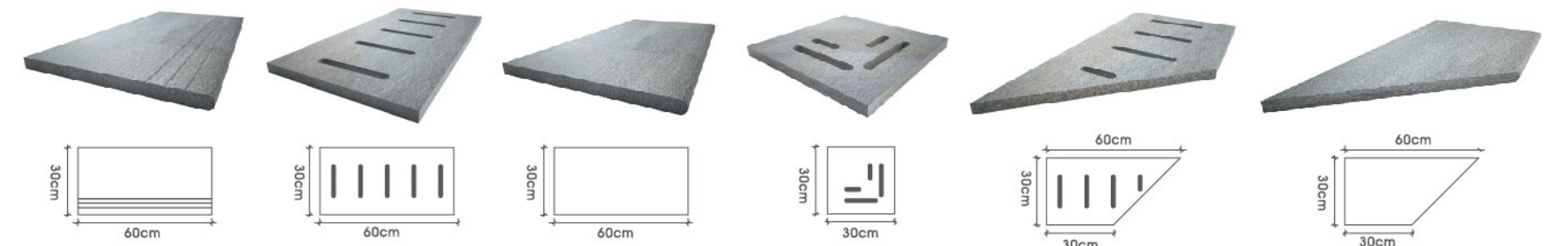
60x60cm • structured



STEP.1 | GTH05 Battleship

60x60cm • structured

accessories ^{20 mm}



- Stephread (T3) -

- Trench Drains (D5) -

- Bullnose (BN) -

- Corner Drains (CD) -

- Trapezium Drains (TD) *

- Trapezium Bullnose (TN) *

* (Available in left (L) & right (R) design)

TECHNICAL SPECIFICATIONS				
DESCRIPTION	STANDARD TEST	MEASUREMENT UNIT	ISO STANDARD REQUIREMENT	NIRO GRANITE
Length & Width	ISO 10545 -2	mm	±0.6% Max	±0.30% Max
Thickness	ISO 10545 -2	mm	±5.0% Max	±5.0% Max
Sides Straightness	ISO 10545 -2	mm	±0.5% Max	±0.25% Max
Rectangularity	ISO 10545 -2	mm	±0.5% Max	±0.25% Max
Flatness: a) Centre Curvature	ISO 10545 -2	mm	±0.5% Max	±0.20% Max / Max 2.0mm
b) Edge Curvature	ISO 10545 -2	mm	±0.5% Max	±0.20% Max / Max 2.0mm
c) Warpage	ISO 10545 -2	mm	±0.5% Max	±0.20% Max / Max 2.0mm
Surface Quality	ISO 10545 -2	One Major Area of Tiles	≥ 95% free from visible defect	Comply
Water Absorption	ISO 10545 -3	Mass	≤0.5%	≤0.20%
Breaking Strength	ISO 10545 -4	N	≥ 1300 N	≥ 1300 N
Modulus of Rupture	ISO 10545 -4	N/mm ²	≥ 35 N/mm ² Individual ≥ 32 N/mm ²	≥ 35 N/mm ² Individual ≥ 32 N/mm ²
Abrasion Resistance				
a) Deep Abrasion for unglazed tiles	ISO 10545 -6	mm ³	≤ 175 mm ³	≤ 160 mm ³
b) Surfaces Abrasion for glazed tiles	ISO 10545 -7	Visual Check	Manuf. to state abrasion class, cycle and passed	≥ PEI 3 (Dependent on product type)*
Crazing Test (glazed tiles)	ISO 10545 -11	Visual Check	No Sign of Crazing	No Sign of Crazing
Frost Resistance	ISO 10545 -12	Visual Check	Required	No Visible Crack
Chemical Resistance				
a) Low concentrations	ISO 10545 -13	Visual Check	Manuf. To State	Class A Class B (For Polished Tile)
b) Household chemicals and swimming pool salts	ISO 10545 -13	Visual Check	≥ Class B	Class A Class B (For Polished Tile)
Stain Resistance				
a) For unglazed tiles	ISO 10545 -14	Visual Check	Manuf. to State	≥ Class 3
b) For glazed tiles	ISO 10545 -14	Visual Check	≥ Class 3	≥ Class 3
Slip Resistance (Excluding Polished, Lappato and Matt Satin finishing)	AS/NZS 4586 App. A	P0 to P5	Manuf. to State	Wet Pendulum ≥ P2 (Dependent on product type)*

The technical specifications is only for rectified tiles. * Refer to test report for specific test result.

Each different tiles series are produced to meet different performance requirements. For specific product technical performance, please request from Niro Granite sales team or their agent or distributor.

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.

SHADE VARIATION

<p>U1 UNIFORM FROM TILE TO TILE</p>	<p>U2 SLIGHTLY NOTICEABLE FROM TILE TO TILE</p>	<p>U3 MODERATELY NOTICEABLE FROM TILE TO TILE</p>	<p>U4 DISTINCTLY NOTICEABLE FROM TILE TO TILE</p>
<p>U1 Uniform from tile to tile The range of colours and tones within the same shade is relatively uniform from tile to tile. Minimal to no difference among pieces from the same production run.</p>	<p>U2 Slightly noticeable from tile to tile The range of colours and tones within the same shade is slightly noticeable from tile to tile. Clearly distinguishable differences in design or pattern with similar or slight change in colour tones.</p>	<p>U3 Moderately noticeable from tile to tile The range of colours and tones within the same shade is moderately noticeable from tile to tile. Clearly distinguishable differences in design or pattern.</p>	<p>U4 Distinctly noticeable from tile to tile The range of colours and tones within the same shade is distinctly different from tile to tile. Random colour differences from tile to tile, so that one tile may have totally different colors from that on other tiles. Final installation can be unique.</p>

