80x160cm | GVT
Matt Series




Live your Style EVERYWHERE.

With Design Your Slabs you can implement your creative ideas anywhere, with the guarantee of obtaining the maximum results from an aesthetic and technical perspective. In interior spaces, to give colour, character and personality to commercial and residential environments and in places dedicated to hospitality, entertainment and conviviality; in particularly wet areas such as spas, and wellness centres, and outdoors, with the creation of attractive façades, walls or other interventions with a surprising and long-lasting decorative impact.

Restaurants

Spa-Wellness

Big Projects

Shops/Offices

Living

Bathroom

Kitchen

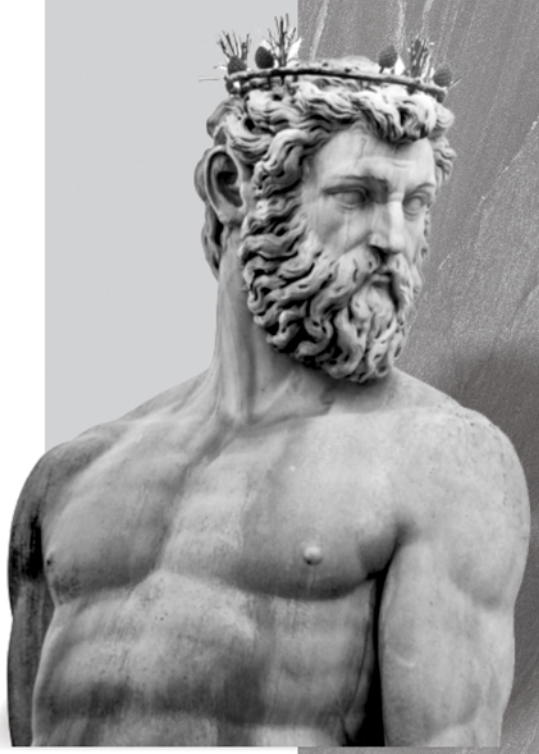
Children-Friendly Spaces

shaped

Nature creates whimsical textures,
nooks and grains, and
that is their source of beauty.
No two are the same, and in
their uniqueness stems their beauty.

honed

The beauty of elements that the more they get old, the more value they have, the more beautiful they are and the more number of stories they treasure.

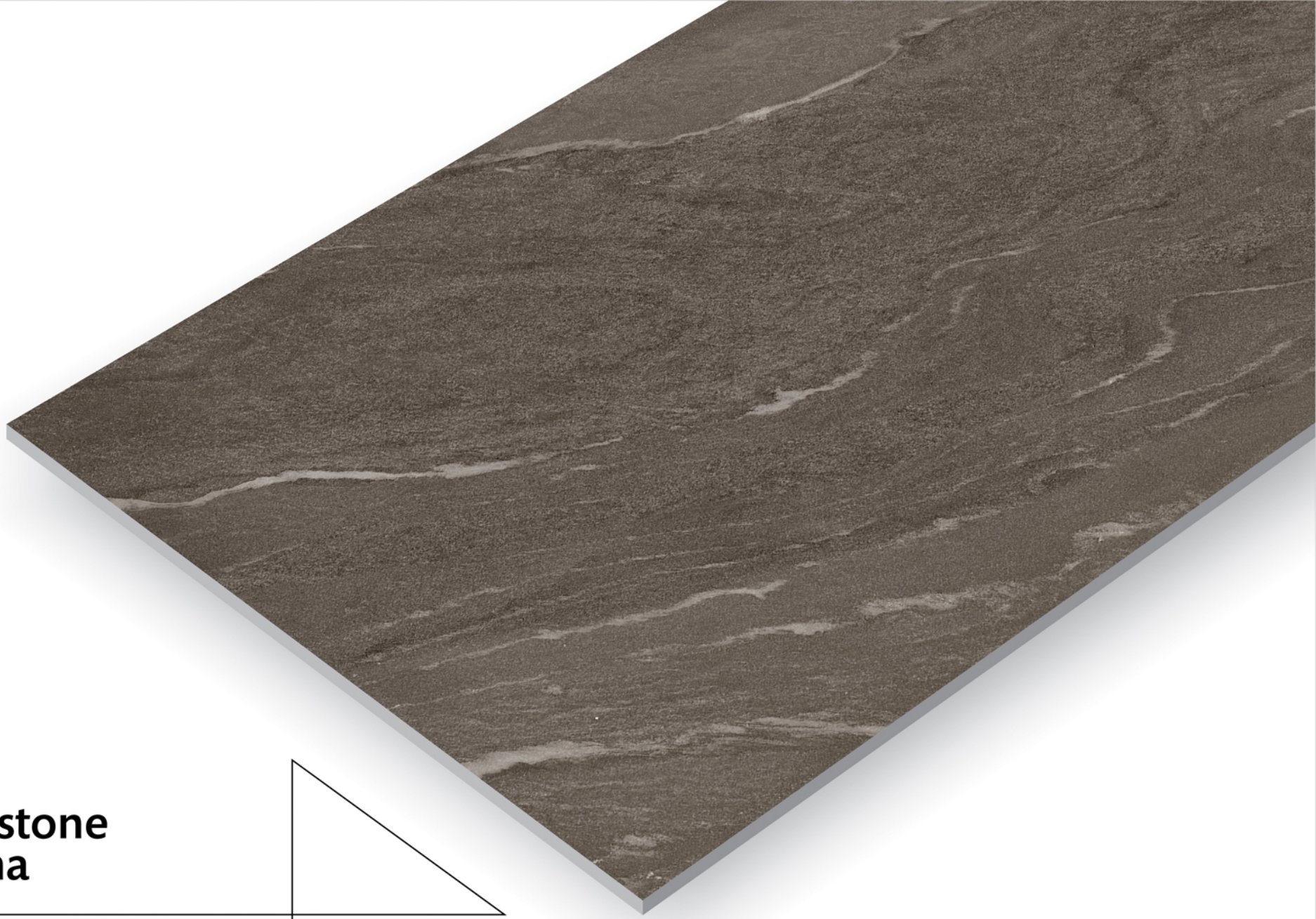


soft

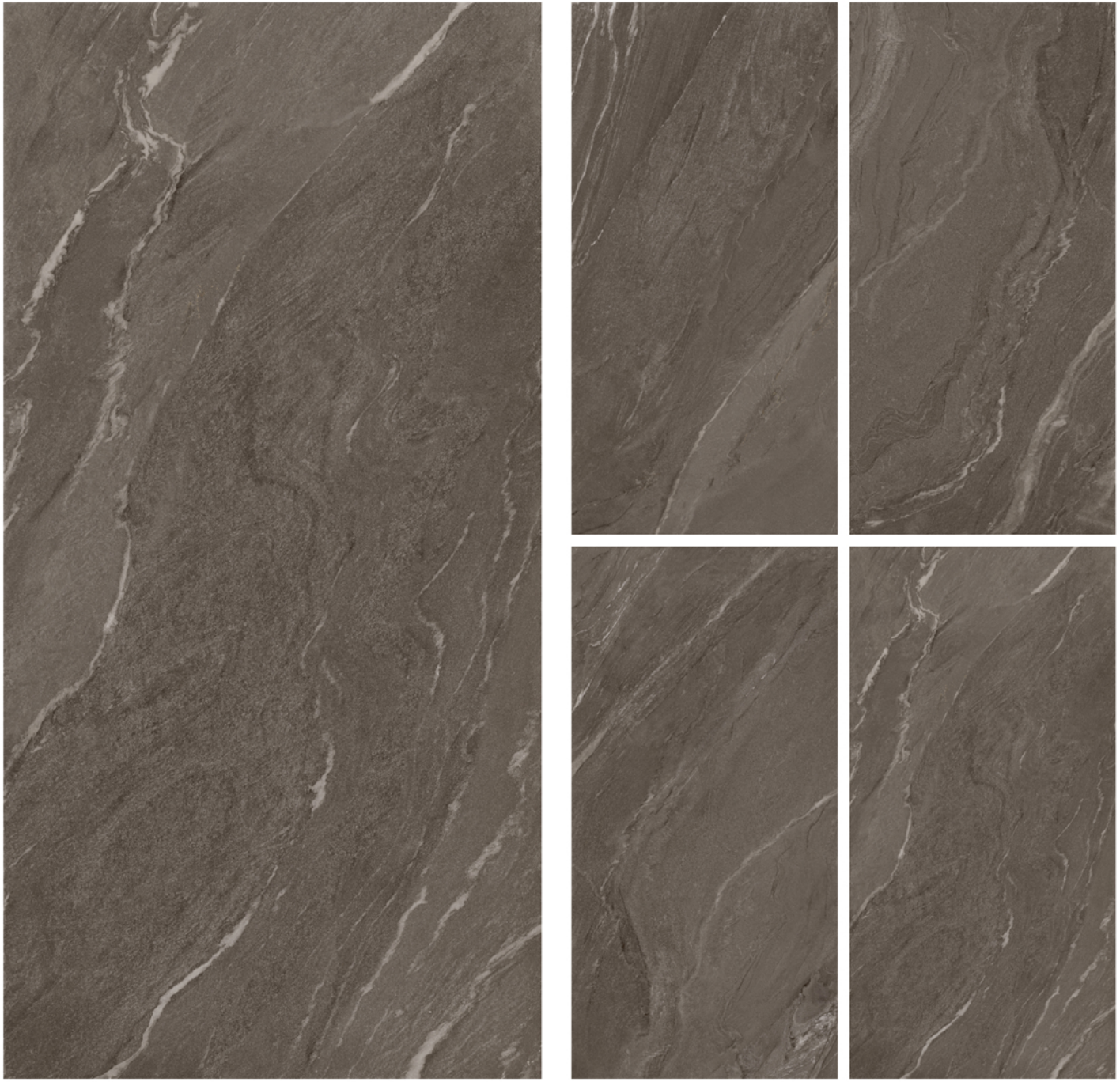
The soft finish offers the most pleasant touch in ceramics, with an uneven silk touch for interior uses when you are looking for the cleanest and the most comfortable product.

wonder

There is no need to choose any more.
You can have it all in just one product.
We can already come out on the
terrace regardless of neither formats
nor tones.



earthstone
mocha



earthstone mocha

80x 160cm

Thickness : **0.9cm**

Finish: **MATT**

HIGH STRENGTH

ECO FRIENDLY

RANDOM DESIGN

LOW MAINTENANCE


earthstone
mocha

earthstone crema

earthstone crema

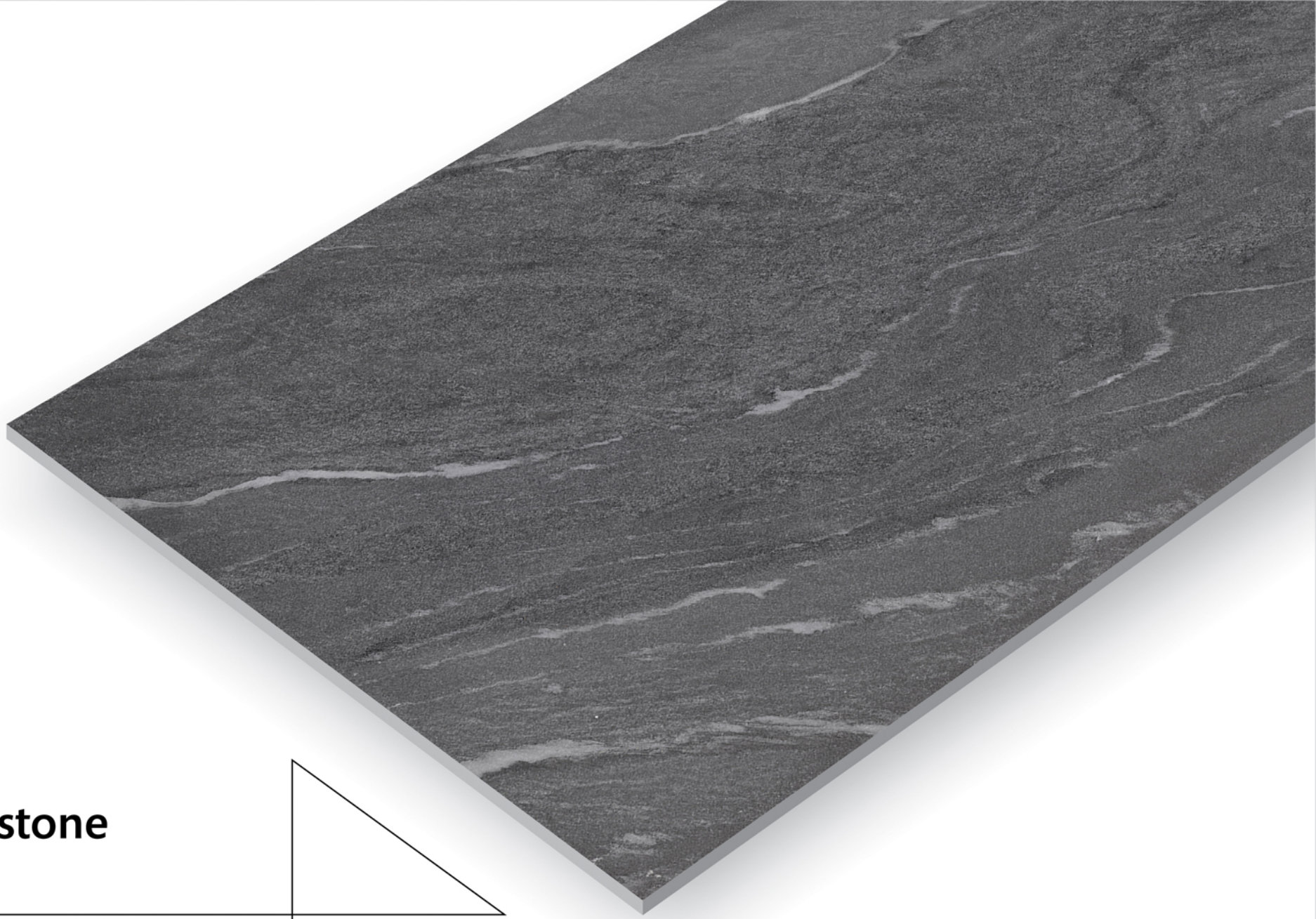
80x 160cm

Thickness : **0.9cm**

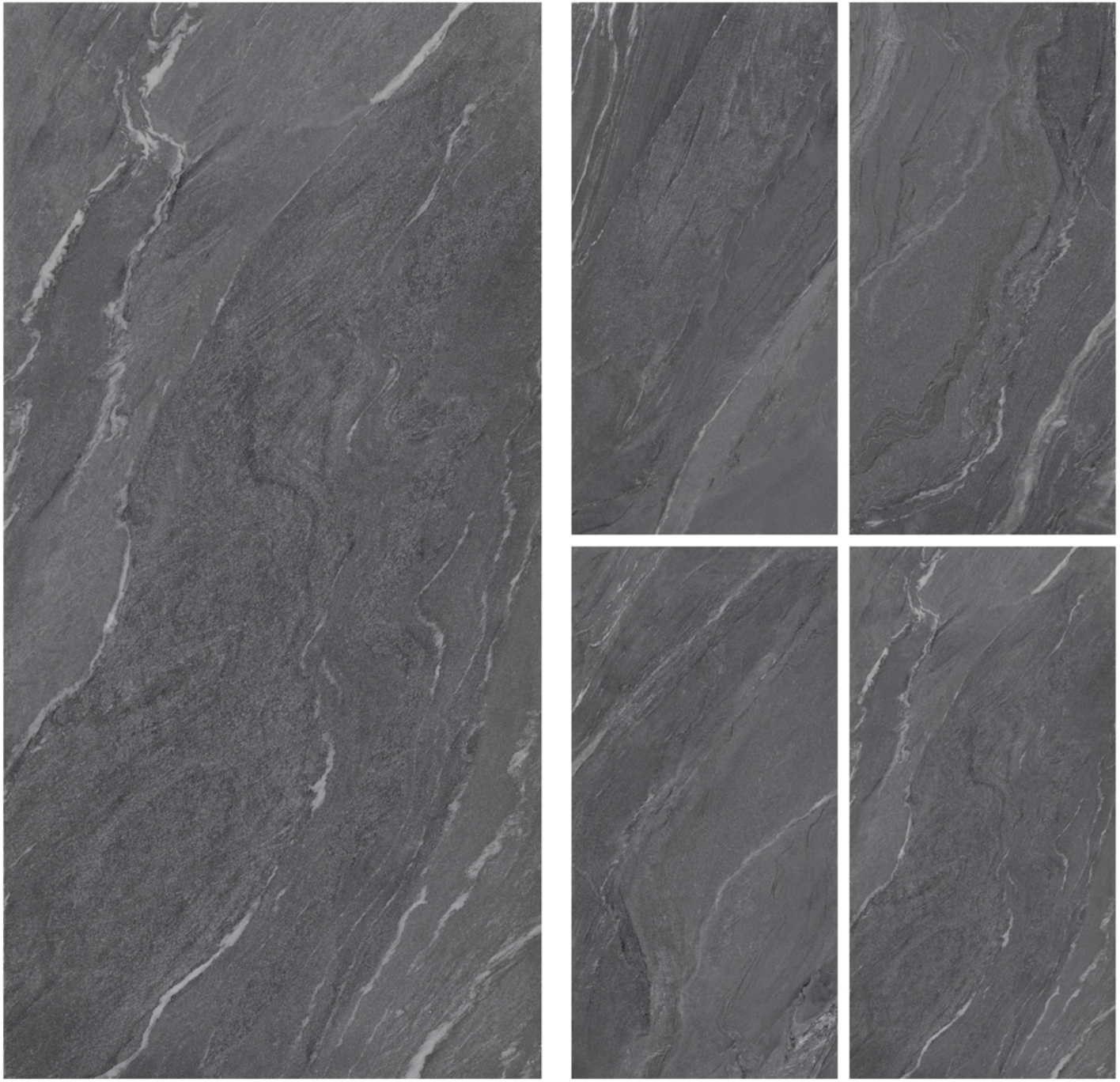
Finish: **MATT**

- HIGH STRENGTH
- ECO FRIENDLY
- RANDOM DESIGN
- LOW MAINTENANCE


earthstone
crema



earthstone
grey



earthstone grey

80x 160cm

Thickness : **0.9cm**

Finish: **MATT**

HIGH STRENGTH

ECO FRIENDLY

RANDOM DESIGN

LOW MAINTENANCE


earthstone
grey

earthstone
bianco

earthstone bianco

80x 160cm

Thickness : **0.9cm**

Finish: **MATT**

HIGH STRENGTH

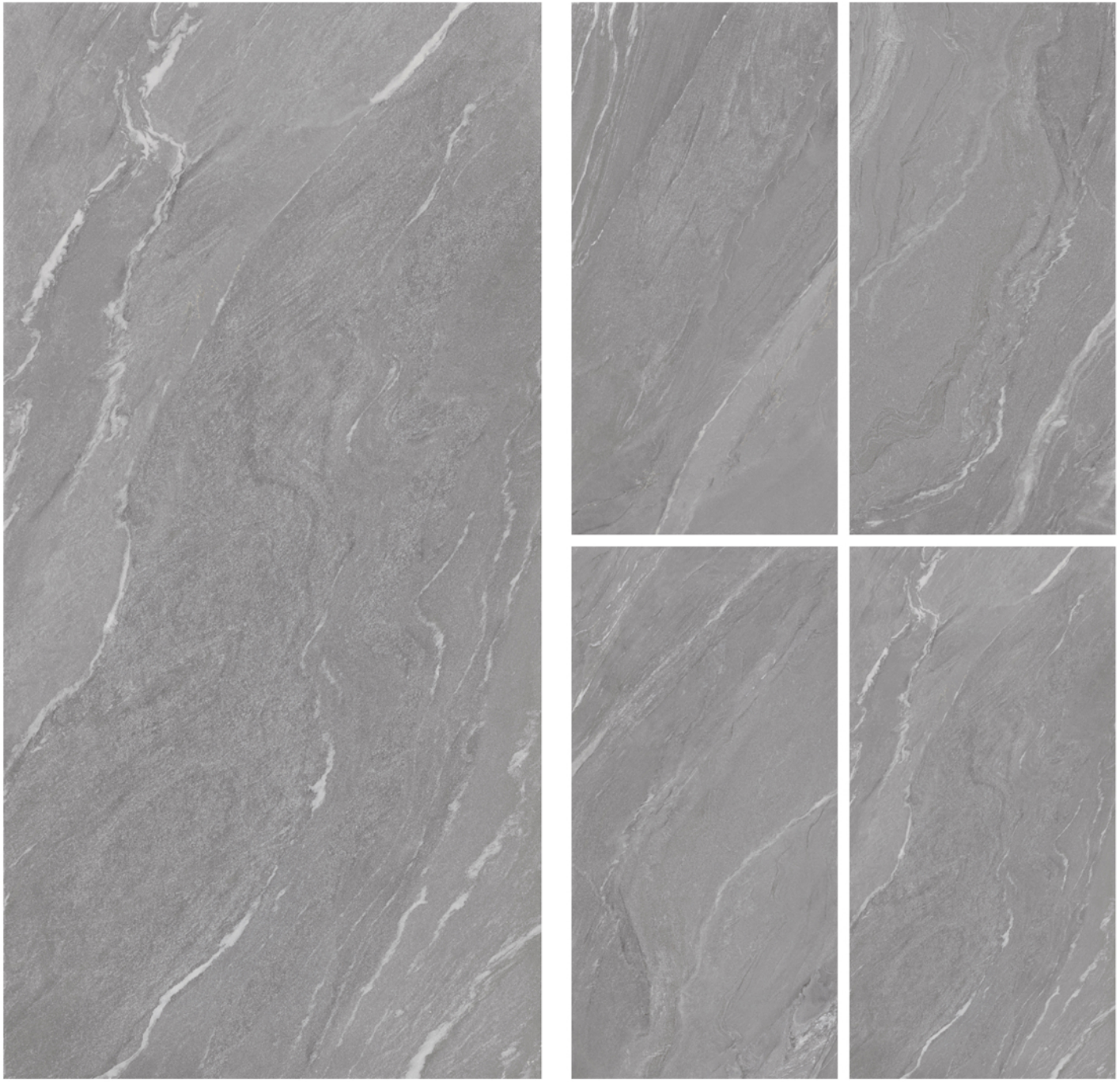
ECO FRIENDLY

RANDOM DESIGN

LOW MAINTENANCE


earthstone
bianco

earthstone
silver



earthstone silver

80x 160cm

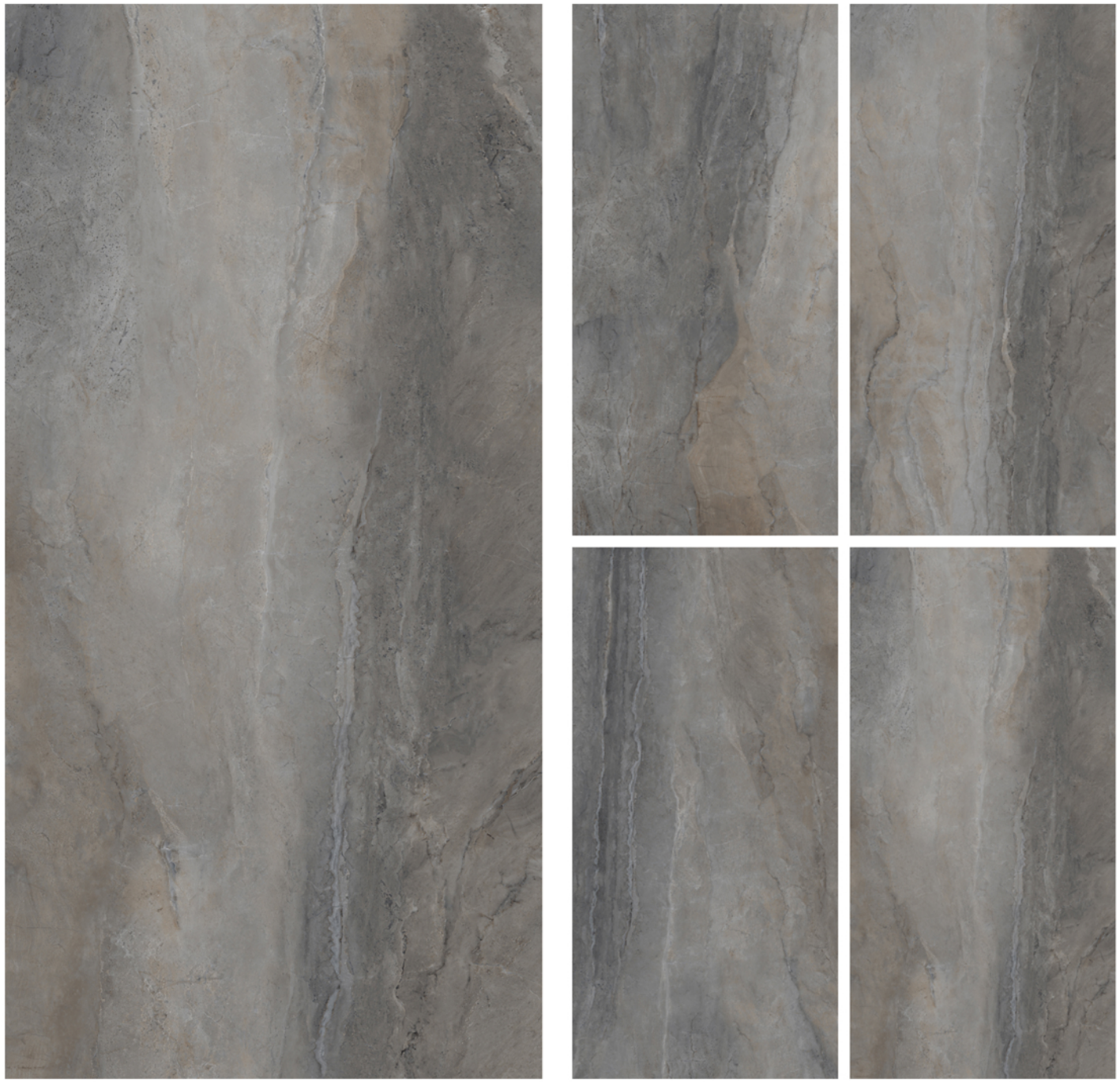
Thickness : **0.9cm**

Finish: **MATT**

- HIGH STRENGTH
- ECO FRIENDLY
- RANDOM DESIGN
- LOW MAINTENANCE


earthstone
silver

megaslate
grey



megaslate grey

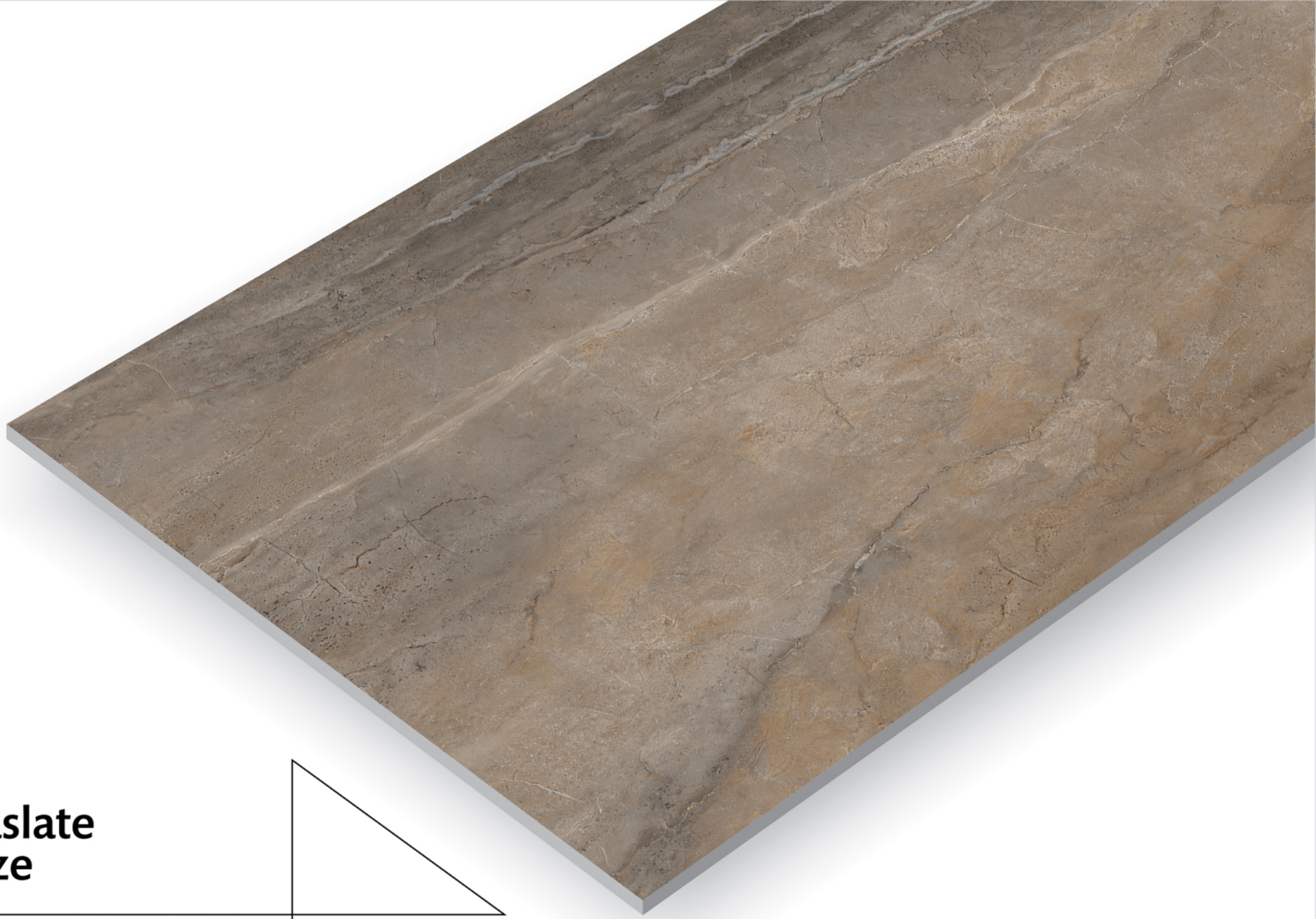
80x 160cm

Thickness : **0.9cm**

Finish: **MATT**

- HIGH STRENGTH
- ECO FRIENDLY
- RANDOM DESIGN
- LOW MAINTENANCE


megaslate
grey



megaslate
bronze

megaslate bronze

80x 160cm

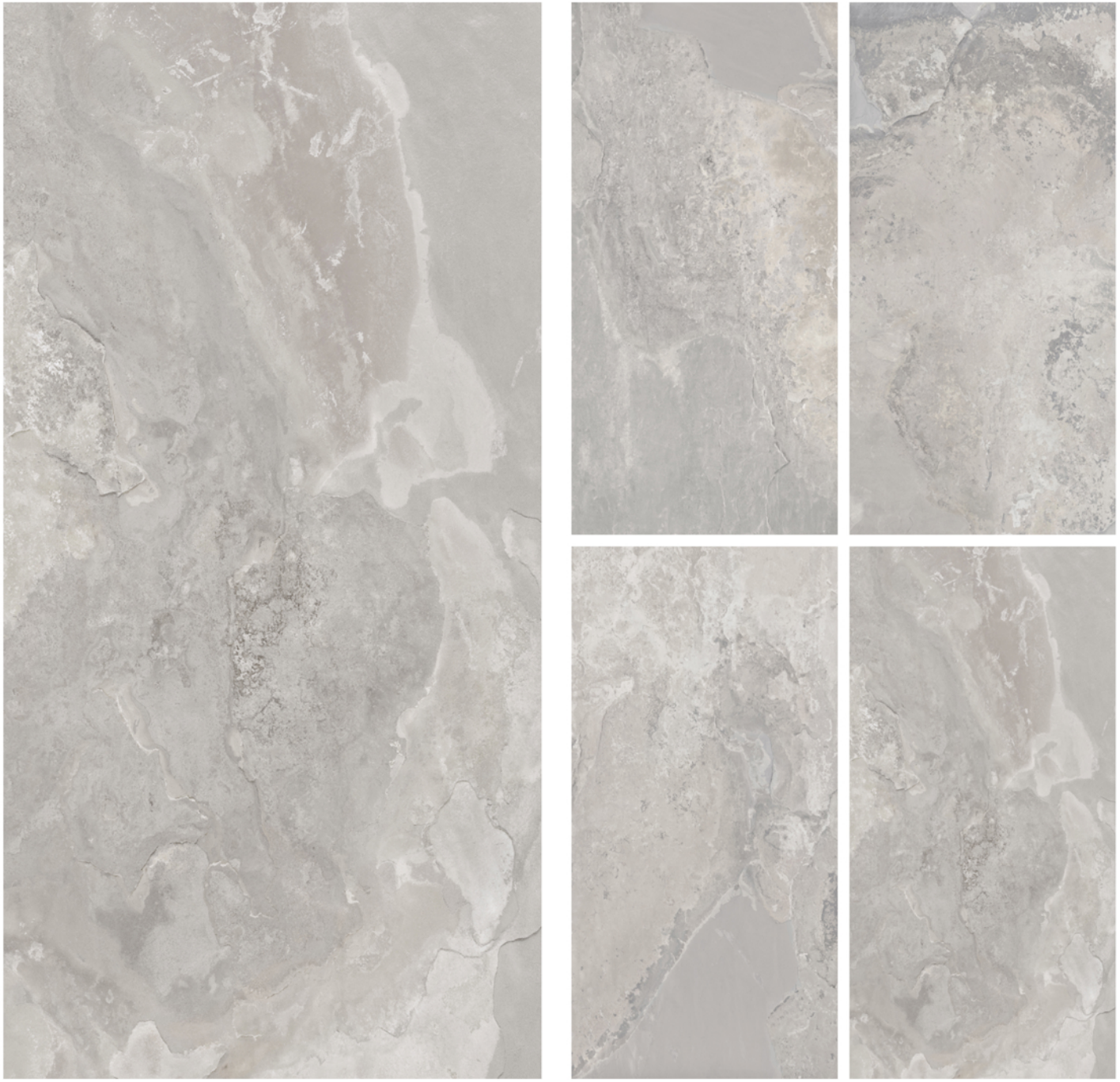
Thickness : **0.9cm**

Finish: **MATT**

- HIGH STRENGTH
- ECO FRIENDLY
- RANDOM DESIGN
- LOW MAINTENANCE


megaslate
bronze

mudstone
real



mudstone real

80x 160cm

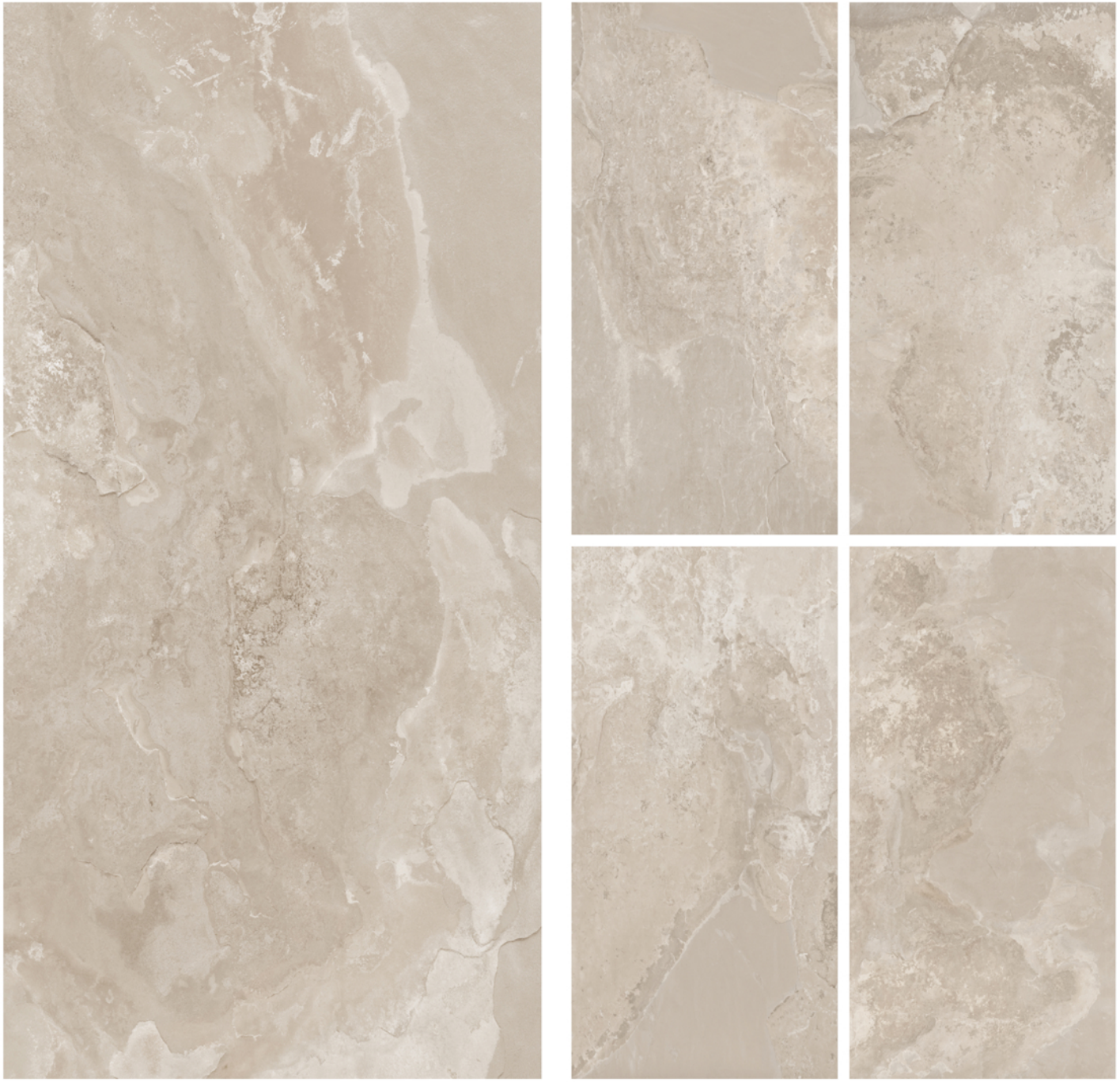
Thickness : **0.9cm**

Finish: **MATT**

- HIGH STRENGTH
- ECO FRIENDLY
- RANDOM DESIGN
- LOW MAINTENANCE


laundry
mudstone
real

mudstone crema



mudstone crema

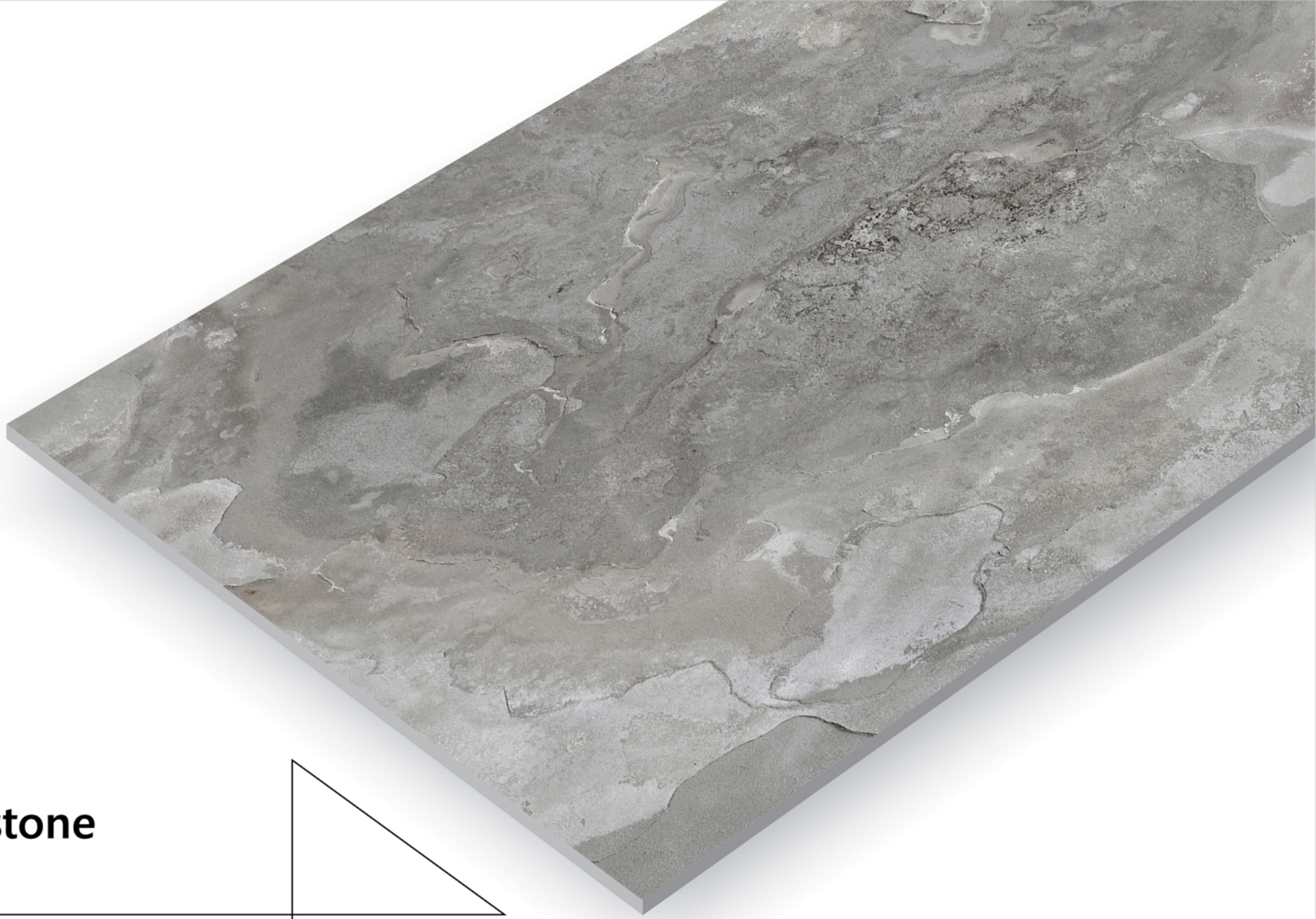
80x 160cm

Thickness : **0.9cm**

Finish: **MATT**

- HIGH STRENGTH
- ECO FRIENDLY
- RANDOM DESIGN
- LOW MAINTENANCE


mudstone
crema



mudstone
gris

mudstone gris

80x 160cm

Thickness : **0.9cm**

Finish: **MATT**

HIGH STRENGTH

ECO FRIENDLY

RANDOM DESIGN

LOW MAINTENANCE


mudstone
gris

tuffstone
natural

tuffstone natural

80x 160cm

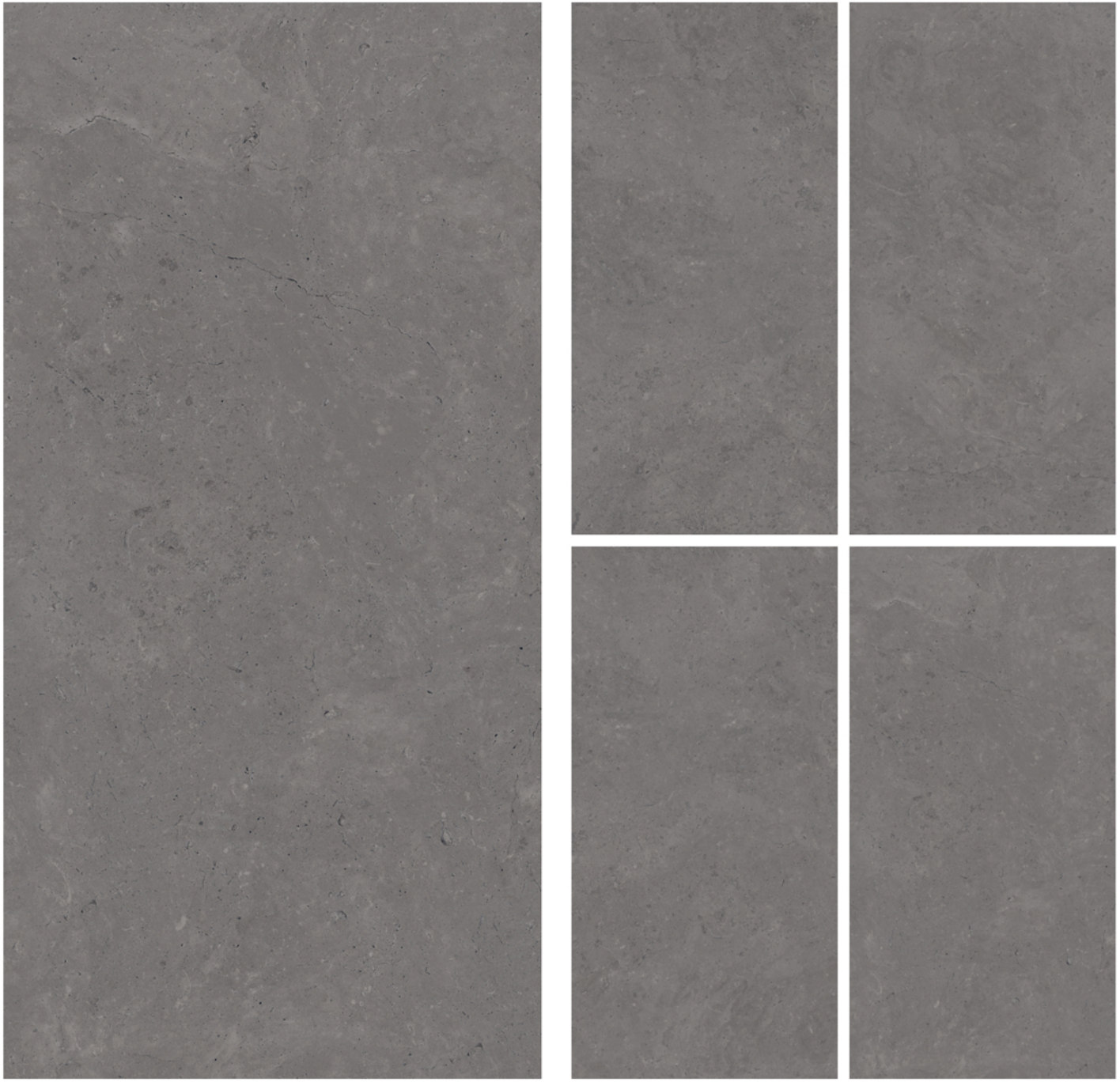
Thickness : **0.9cm**

Finish: **MATT**

- HIGH STRENGTH
- ECO FRIENDLY
- RANDOM DESIGN
- LOW MAINTENANCE


tuffstone
natural

tuffstone
grey



tuffstone grey

80x 160cm

Thickness : **0.9cm**

Finish: **MATT**

HIGH STRENGTH

ECO FRIENDLY

RANDOM DESIGN

LOW MAINTENANCE


tuffstone
grey

tuffstone
steel

tuffstone steel

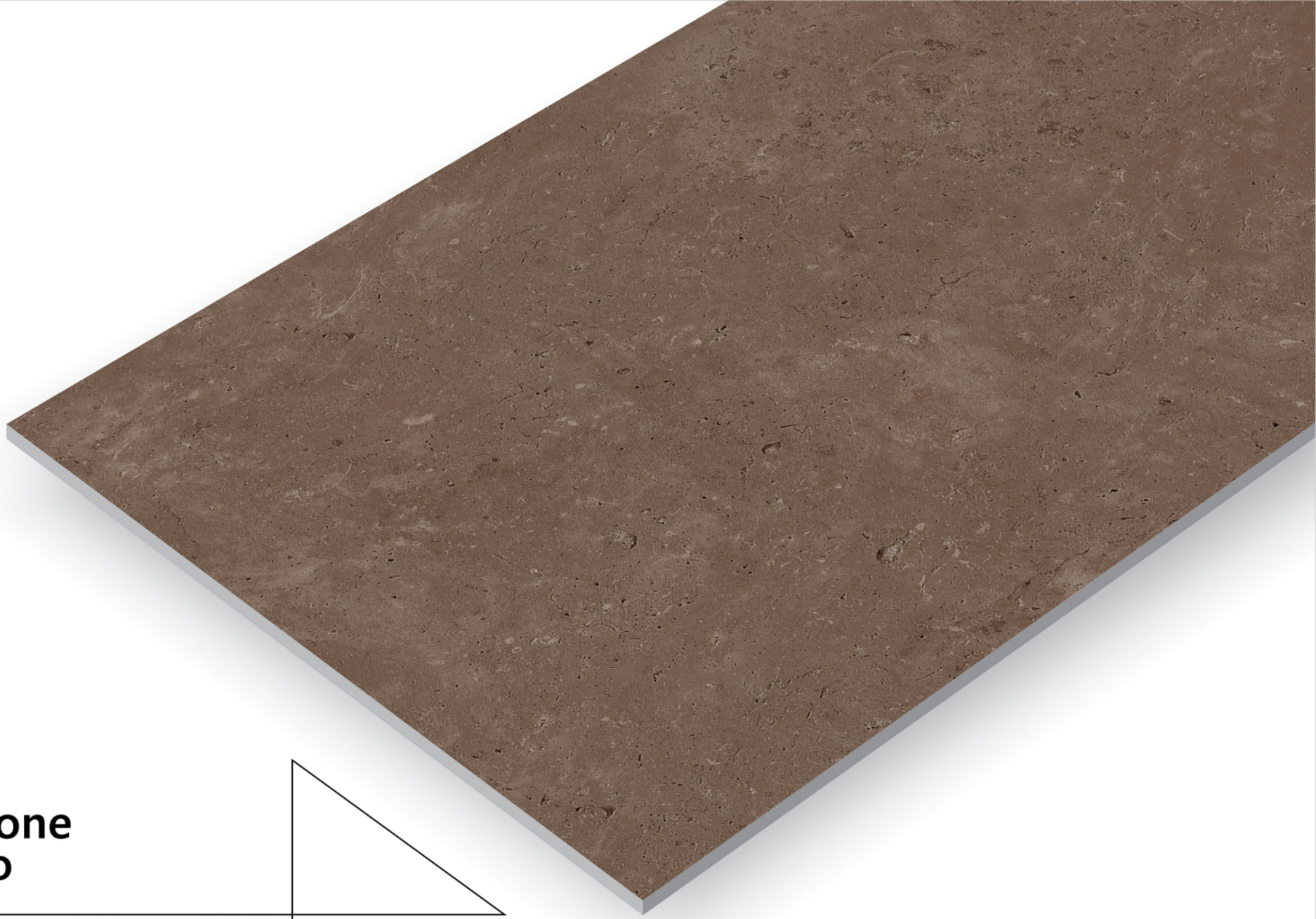
80x 160cm

Thickness : **0.9cm**

Finish: **MATT**

- HIGH STRENGTH
- ECO FRIENDLY
- RANDOM DESIGN
- LOW MAINTENANCE


tuffstone
steel



tuffstone
choco

tuffstone choco

80x 160cm

Thickness : **0.9cm**

Finish: **MATT**

- HIGH STRENGTH
- ECO FRIENDLY
- RANDOM DESIGN
- LOW MAINTENANCE


tuffstone
choco

tuffstone
ash

tuffstone ash

80x 160cm

Thickness : **0.9cm**

Finish: **MATT**

HIGH STRENGTH

ECO FRIENDLY

RANDOM DESIGN

LOW MAINTENANCE


tuffstone
ash

Technical Specifications

CHARACTERISTICS	STANDARD AS PER ISO-13006/EN14411 GROUP BIA	OUR VALUE OF PGVT	OUR VALUE OF GVT	TEST METHOD
REGULATORY PROPERTIES				
Deviation in length & width	±0.5 %	±0.1 %	±0.1 %	ISO-10545-2
Deviation in thickness	±5.0 %	±4.0 %	±4.0 %	ISO-10545-2
Straightness in side	±0.5 %	±0.1 %	±0.1 %	ISO-10545-2
Rectangularity	±0.6 %	±0.1 %	±0.1 %	ISO-10545-2
Surface flatness	±0.5 %	±0.2 %	±0.2 %	ISO-10545-2
Color difference	Unaltered	No change	No change	ISO-10545-16
Glossiness	As per mfg.	Min. 90%	Min. 4%	GLOSSOMETER
SURFACE MECHANICAL PROPERTIES				
Water absorption	< 0.50 %	< 0.05 %	< 0.05 %	ISO-10545-3
Apparent density	> 2.0 g/cc	> 2.10 g/cc	> 2.10 g/cc	DIN 51082
MASSIVE MECHANICAL PROPERTIES				
Modulus of rupture	Min. 35 N/mm²	Min. 40 N/mm²	Min. 40 N/mm²	ISO-10545-4
Breaking strength	Min. 1300 N	Min. 2000 N	Min. 2000 N	ISO-10545-4
Impact resistance	as per mfg.	Min. 0.55	Min. 0.55	ISO-10545-5
SURFACE MECHANICAL PROPERTIES				
Surface abrasion resistance	as per mfg.	Min. Class-3	Min. Class-4	ISO-10545-7
MOH's hardness	as per mfg.	Min. 4	Min. 5	EN 101
THERMO HYDROMETRIC PROPERTIES				
Frost resistance	No damage	No damage	No damage	ISO-10545-12
Thermal shock resistance	No damage	No damage	No damage	ISO-10545-9
Moisture expansion	Nil	Nil	Nil	ISO-10545-10
Thermal expansion (COE)	Max. $9.0x10^{-6}$	Max. $6.5x10^{-6}$	Max. $6.5x10^{-6}$	ISO-10545-8
Crazing resistance	as per mfg.	Min. 10 Cycle	Min. 10 Cycle	ISO-10545-11
CHEMICAL PROPERTIES				
Chemical resistance	No damage	No damage	No damage	ISO-10545-13
Stain resistance	Resist ant	Resistant	Resistant	ISO-10545-14
SAFETY PROPERTIES				
Slip resistance	as per mfg.	> 0.40	> 0.40	ISO-10545-17
Fire resistance	as per mfg.	Fireproof	Fireproof	N. A.
Lead & Cadmium given off by glazed tiles	as per mfg.	Doesn't yield Pb & Cd	Doesn't yield Pb & Cd	ISO-10545-15

Packing Details

Sr. No.	Size	Thickness (approx*)	Pieces / Box	Area / Box (approx*)	Wt. Kg. (approx*)
1	80x160 cm	0.9cm	2pcs.	2.56 sq. mtr.	52

Cutting Specifications

Cutting with disk

In order to do a correct cutting into one slab 12mm (1/2") it is recommended the use of segmented cutting disks and specifications as described below.

Disk diameter	RPM	Cutting speed (m/min)-(feet/min)
300 mm - 12"	2600 rpm	1/2 m/min - 4 feet/min
350 mm - 14"	2300 rpm	1/2 m/min - 4 feet/min
400 mm - 16"	1900 rpm	1/2 m/min - 4 feet/min

To ensure correct finishes, it is recommended lowering the speed at both ends to 25% 0.3m/min - 1 feet/min. If the cutting also requires beveling it is also recommend to slow the speed in the cutting path to 0.6 m/min - 2feet/min.

In order to avoid stress into the slab, it is imperative the use of cutting surfaces that are perfectly levelled and good disk refrigeration. The disk must have a direct application to the cutting edge with refrigeration liquid or water during all the operation.

For inner cutting, as it has been said before, is mandatory the prior drilling at the corners to ensure a 5mm - 3/16" radius. Therefore, the drill must have 10 mm - 6/16" diameter or more.

Water jet cutting

Before starting the waterjet cutting it is advisable to secure the surface and check the flatness of the slab on the support structure for cutting.

Unless necessary (Ex. to create a cavity), the cut must begin and finish outside the slab, always respecting 50 mm - 2" of perimeter during the cutting to avoid accumulation of stresses. The pressure should not exceed 4000 bar and the linear cutting speed should be around 0.6 m / min - 2 feet / min

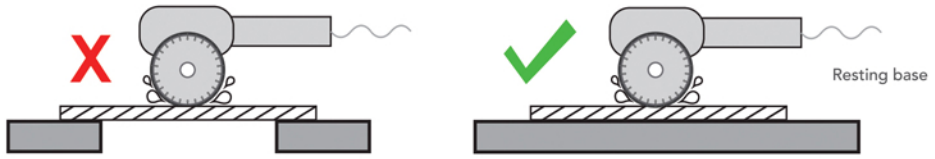
As long as the technical capacity of the cutting machine allows it, it is advisable to finish all the cuts towards the edge of the slab and avoid all the endings at the central area of the slab.

Cutting stresses

In order to minimize the residual stresses in a slab it is advisable, regardless of the cutting method employed, to remove 25 mm - 1" from the total perimeter of the slab.

This not only mitigates the future stresses but also eliminates all possible stress that the material has accumulated during its manufacture, handling or transport until is finally done any operation into the slab.

Cutting



Drilling