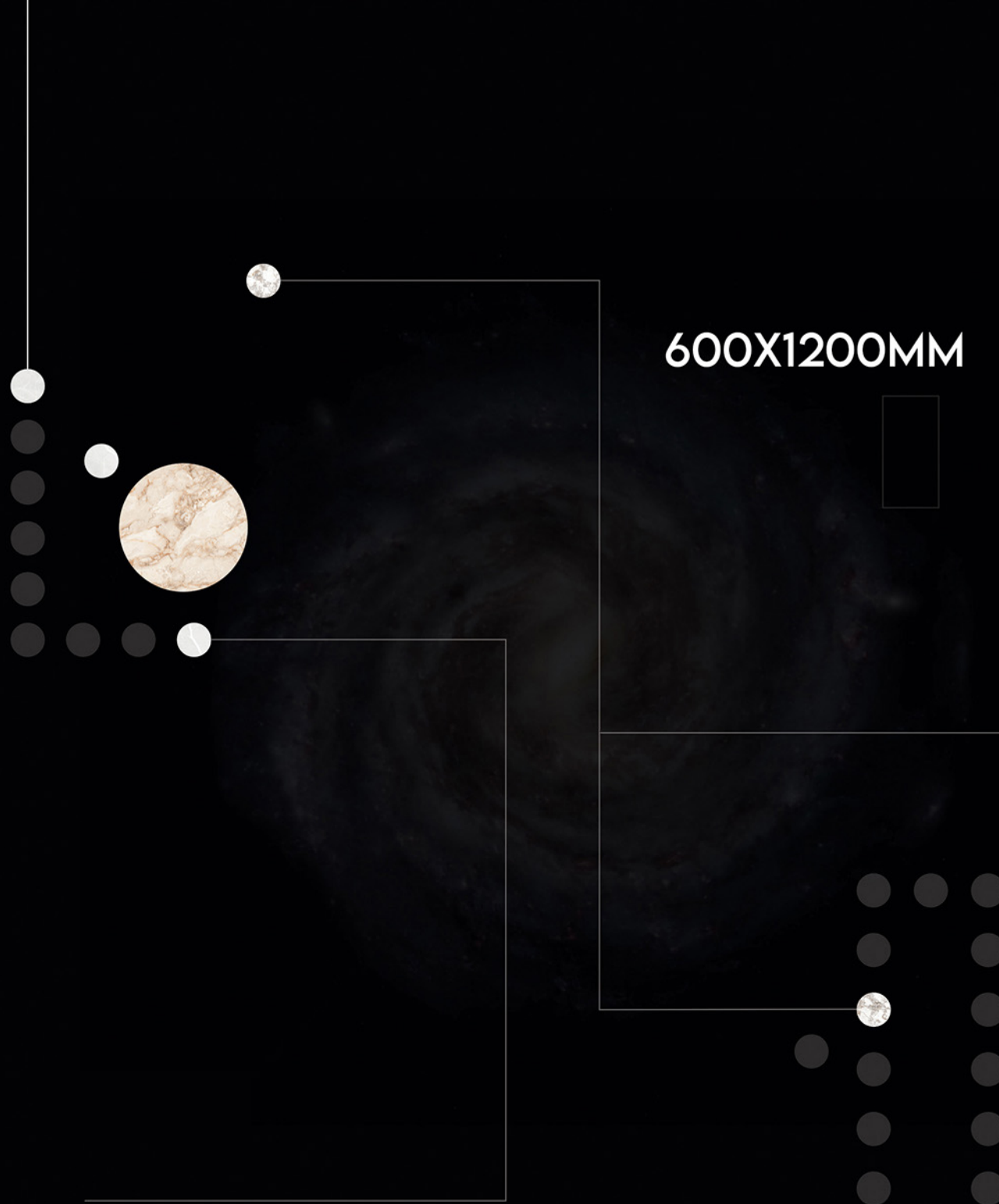


 **CLASSIC**
CERAMIC

endless
Carving
Collection

600X1200MM





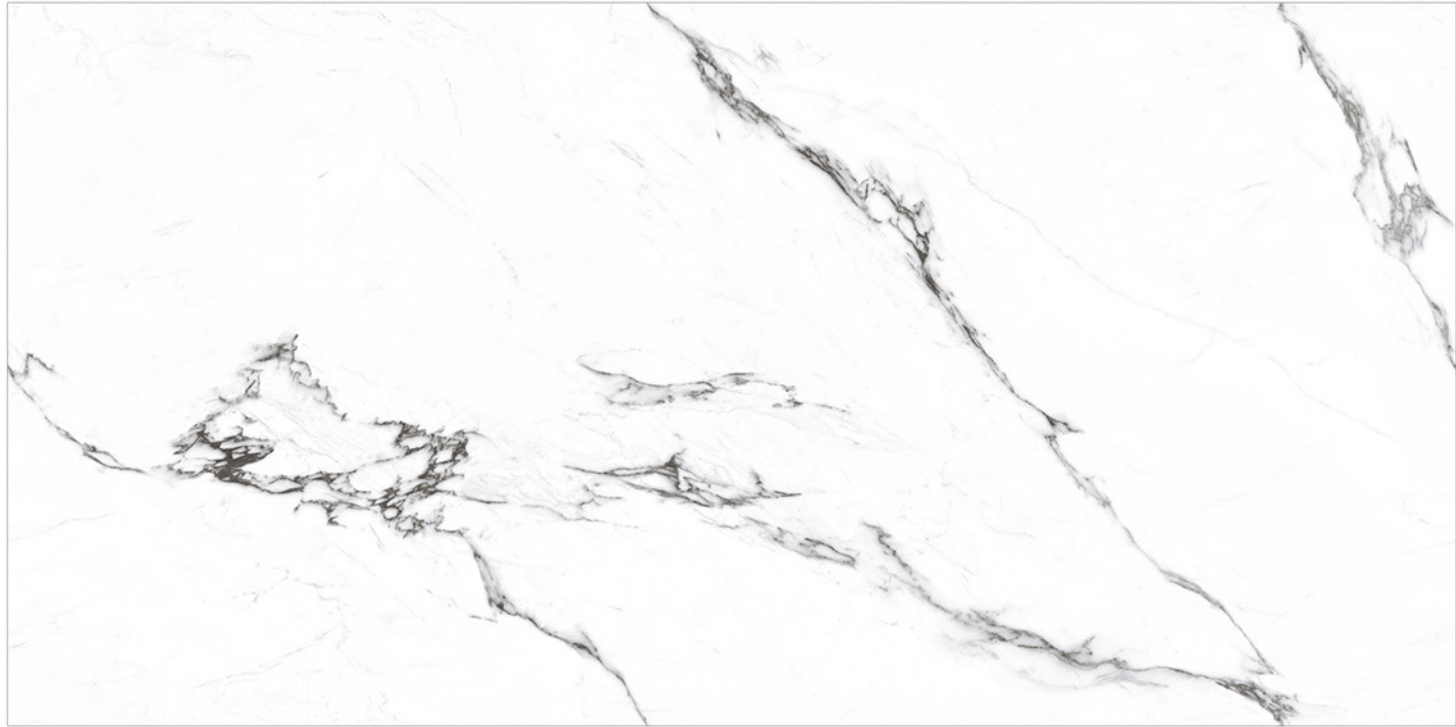
explore

The Infinite Possibilities of Collection



CATERINA
BLACK





 **CLASSIC**
CERAMIC

**caterina
black**



**endless
Carving**
Collection

**600x
1200mm**



Finish: **CARVING**



HIGH STRENGTH



ECO FRIENDLY



RANDOM DESIGN

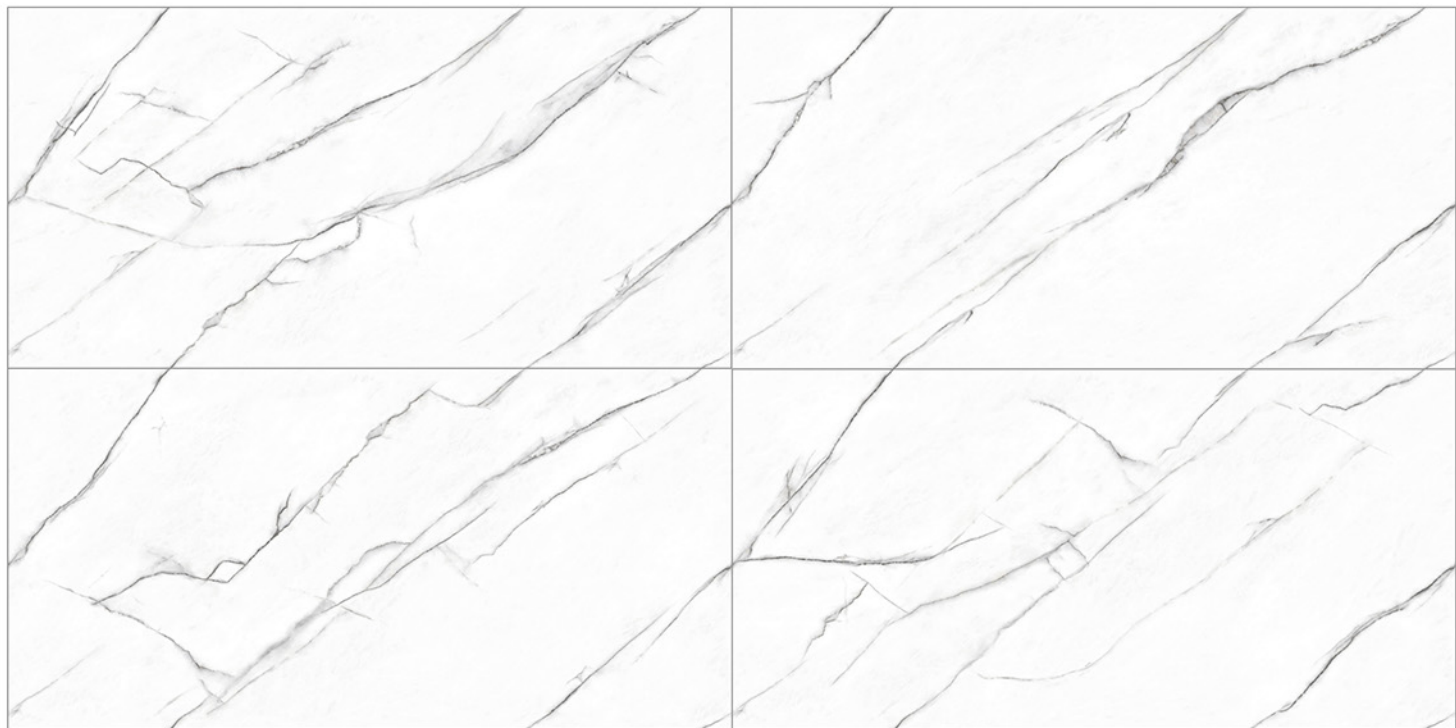


LOW MAINTENANCE



ELENA
CARRARA



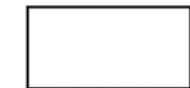


 **CLASSIC**
CERAMIC

**elena
carrara**


**endless
Carving**
Collection

**600x
1200mm**



 Finish: **CARVING**

 HIGH STRENGTH

 ECO FRIENDLY

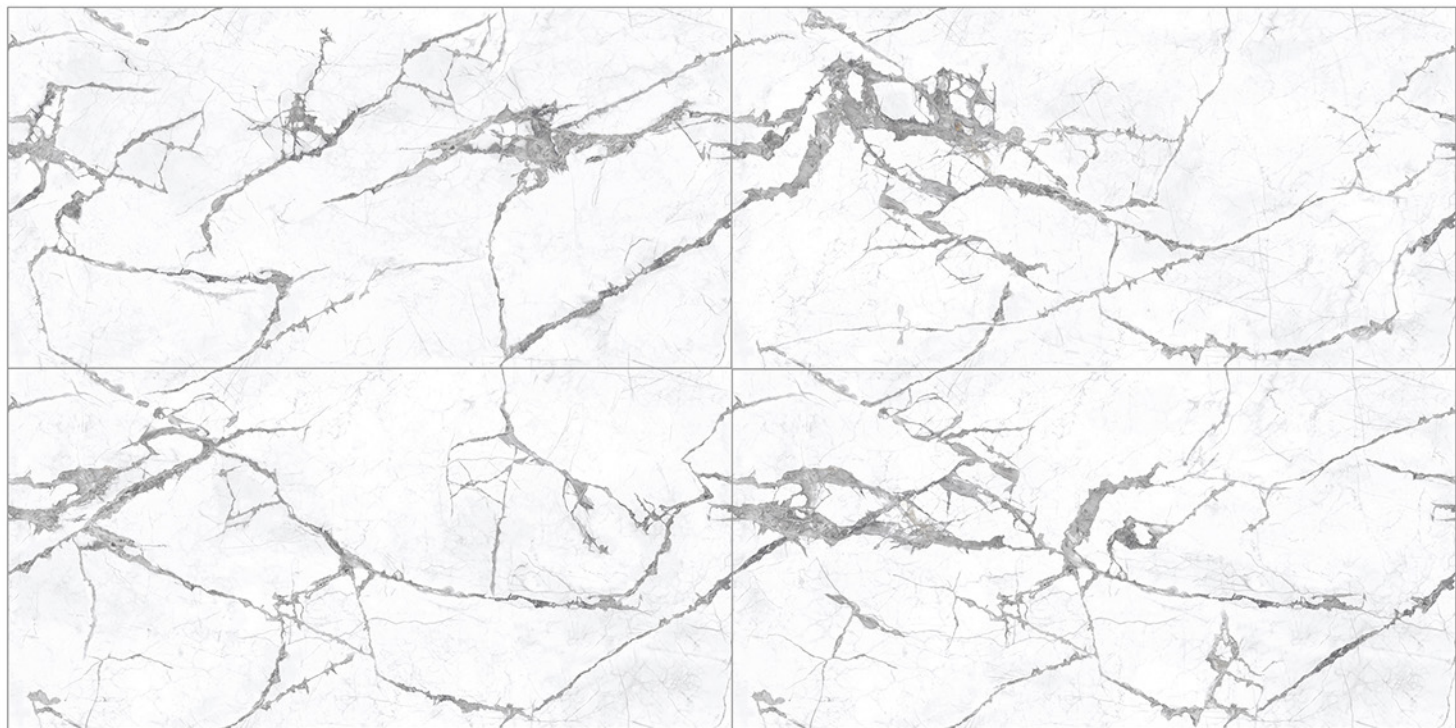
 RANDOM DESIGN

 LOW MAINTENANCE



ALESSIA
INVISIBLE





 **CLASSIC**
CERAMIC

**alessia
invisible**


**Endless
Carving**
Collection

**600x
1200mm**



 Finish: **CARVING**



HIGH STRENGTH



ECO FRIENDLY



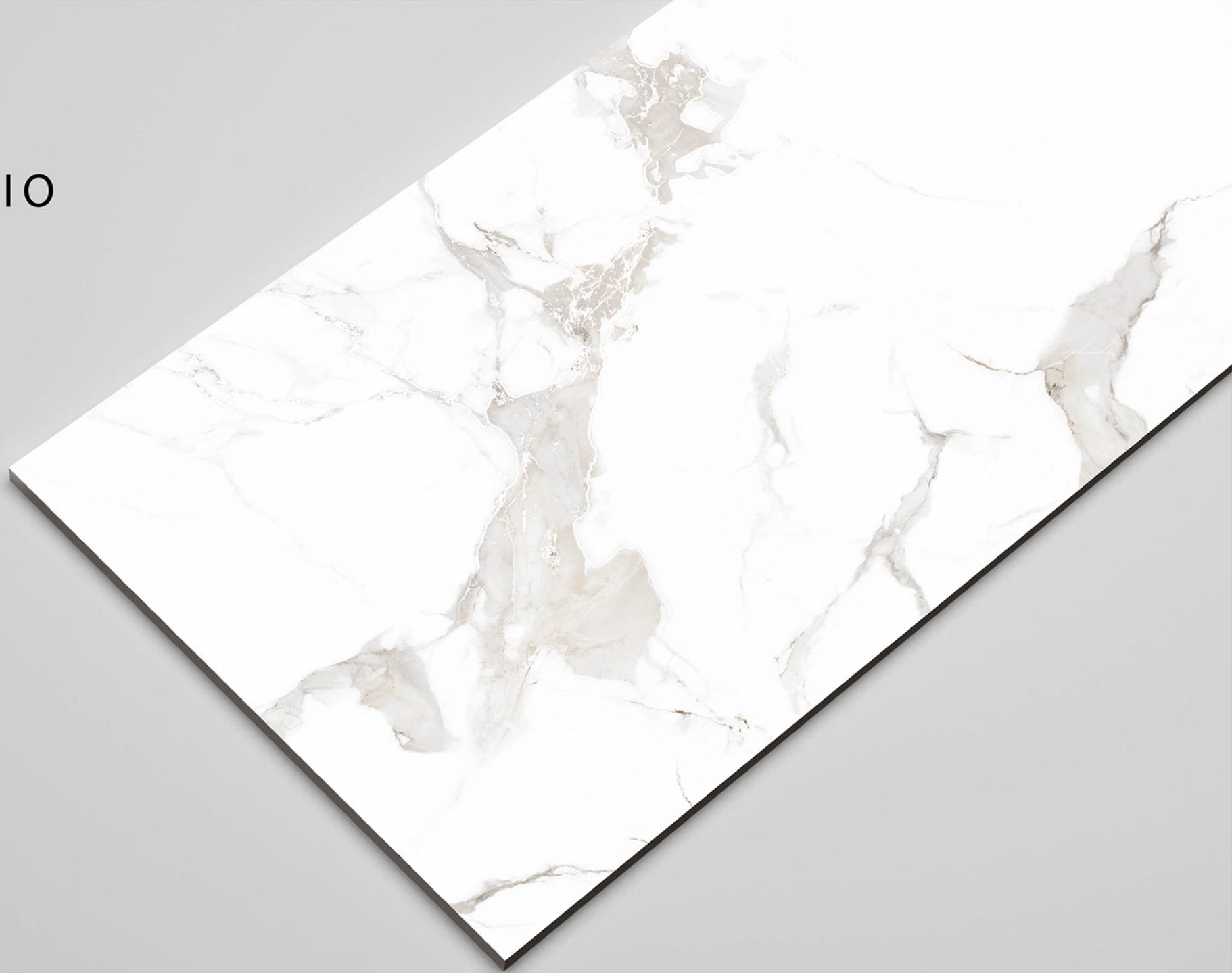
RANDOM DESIGN



LOW MAINTENANCE



ANTONIO
WHITE



**antonio
white**


**Endless
Carving**
Collection

**600x
1200mm**



Finish: **CARVING**



HIGH STRENGTH



ECO FRIENDLY



RANDOM DESIGN



LOW MAINTENANCE



MARTINA
WHITE



martina white



**600x
1200mm**



 **Finish: CARVING**



HIGH STRENGTH



ECO FRIENDLY



RANDOM DESIGN



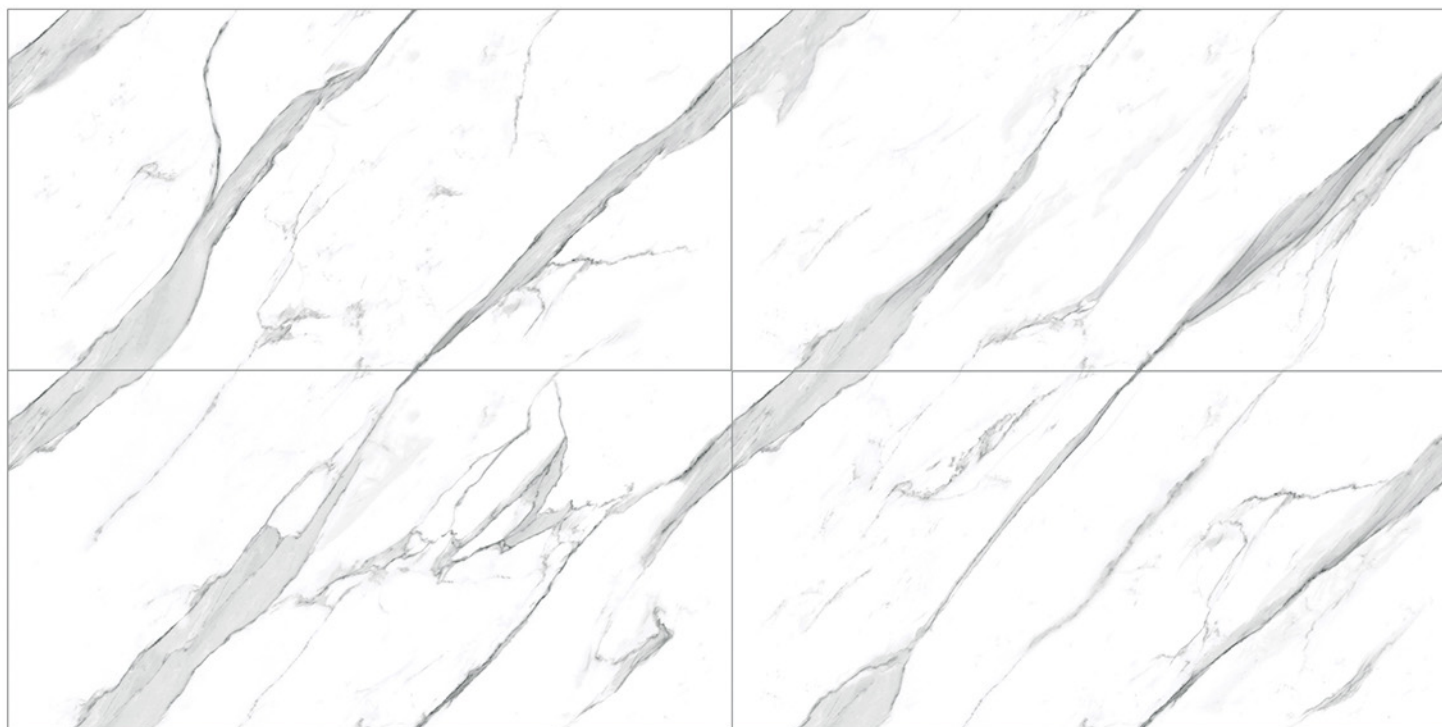
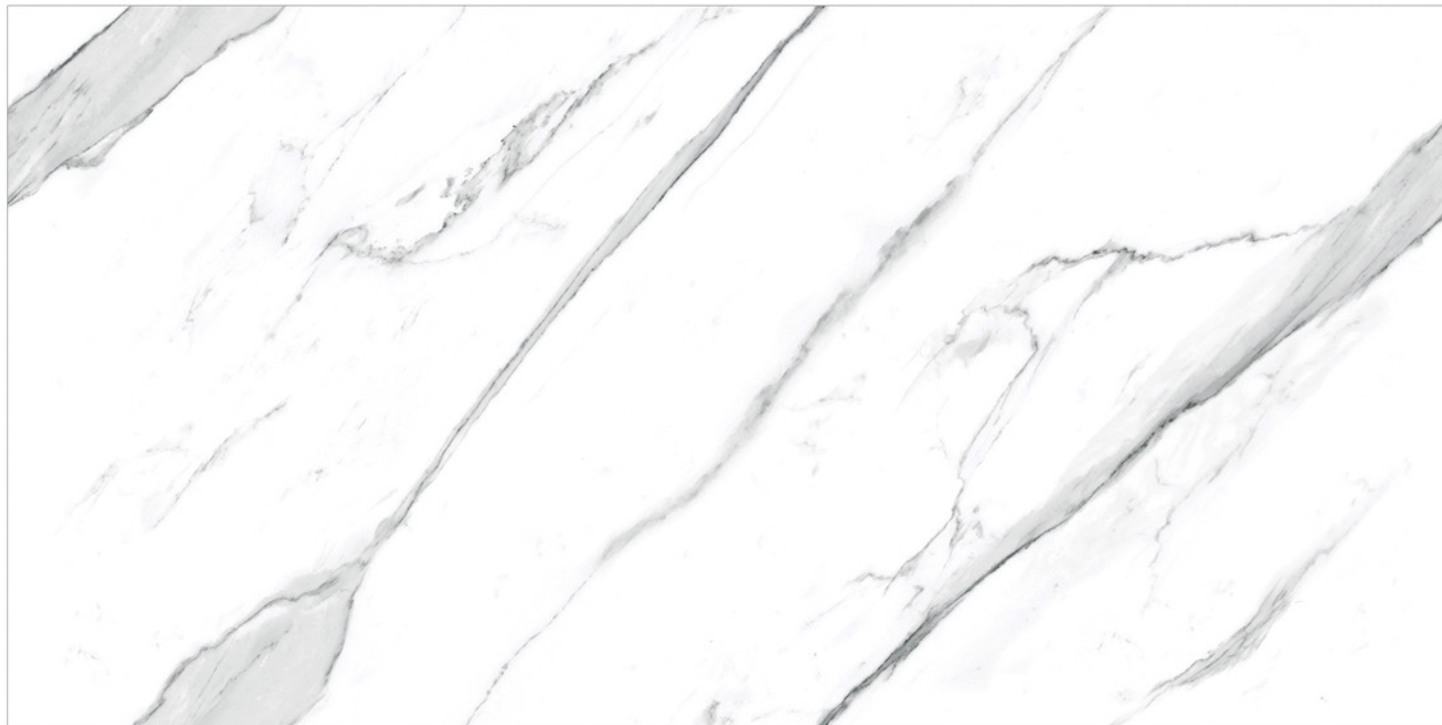
LOW MAINTENANCE





RENATO
CALCATTÀ





 **CLASSIC**
CERAMIC

**renato
calcatta**


**Endless
Carving**
Collection

**600x
1200mm**



 Finish: **CARVING**

 HIGH STRENGTH

 ECO FRIENDLY

 RANDOM DESIGN

 LOW MAINTENANCE



BEATRICE
WHITE





 **CLASSIC**
CERAMIC

**beatrice
white**

 **endless
Carving**
Collection

**600x
1200mm**



 Finish: **CARVING**

 HIGH STRENGTH

 ECO FRIENDLY

 RANDOM DESIGN

 LOW MAINTENANCE



LEONARDO
GREY





 **CLASSIC**
CERAMIC

**leonardo
grey**



**600x
1200mm**



 Finish: **CARVING**

 HIGH STRENGTH

 ECO FRIENDLY

 RANDOM DESIGN

 LOW MAINTENANCE



EMILIA
BEIGE





 **CLASSIC**
CERAMIC

**emilia
beige**



**endless
Carving**
Collection

**600x
1200mm**



Finish: **CARVING**



HIGH STRENGTH



ECO FRIENDLY



RANDOM DESIGN



LOW MAINTENANCE



EMILIA
FOSSIL





 **CLASSIC**
CERAMIC

**emilia
fossil**


**Endless
Carving**
Collection

**600x
1200mm**



 Finish: **CARVING**

 HIGH STRENGTH

 ECO FRIENDLY

 RANDOM DESIGN

 LOW MAINTENANCE



OLTIA
STATUARIO





 **CLASSIC**
CERAMIC

**oltia
statuario**


**Endless
Carving**
Collection

**600x
1200mm**



 Finish: **CARVING**

 HIGH STRENGTH

 ECO FRIENDLY

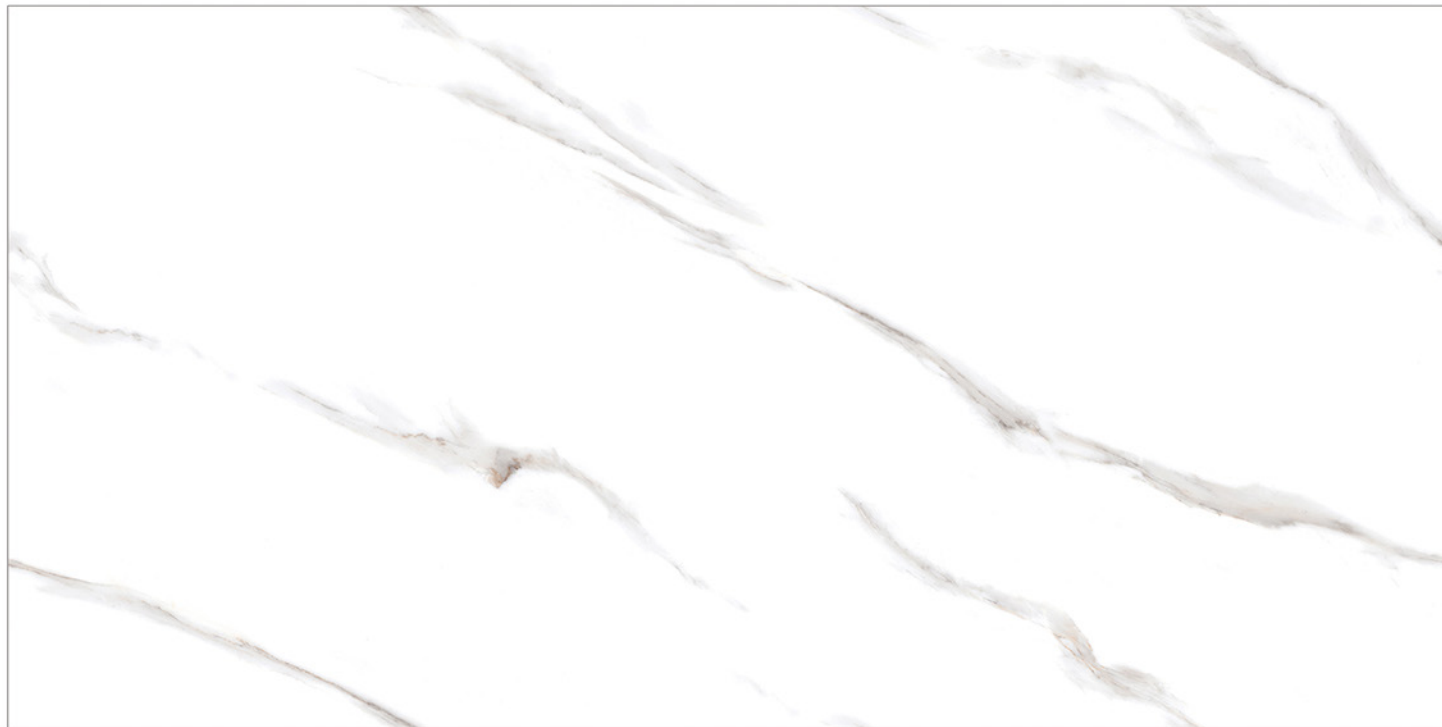
 RANDOM DESIGN

 LOW MAINTENANCE



STILWELL
STATUARIO





 **CLASSIC**
CERAMIC

**stilwell
statuario**


**Endless
Carving**
Collection

**600x
1200mm**



 Finish: **CARVING**

 HIGH STRENGTH

 ECO FRIENDLY

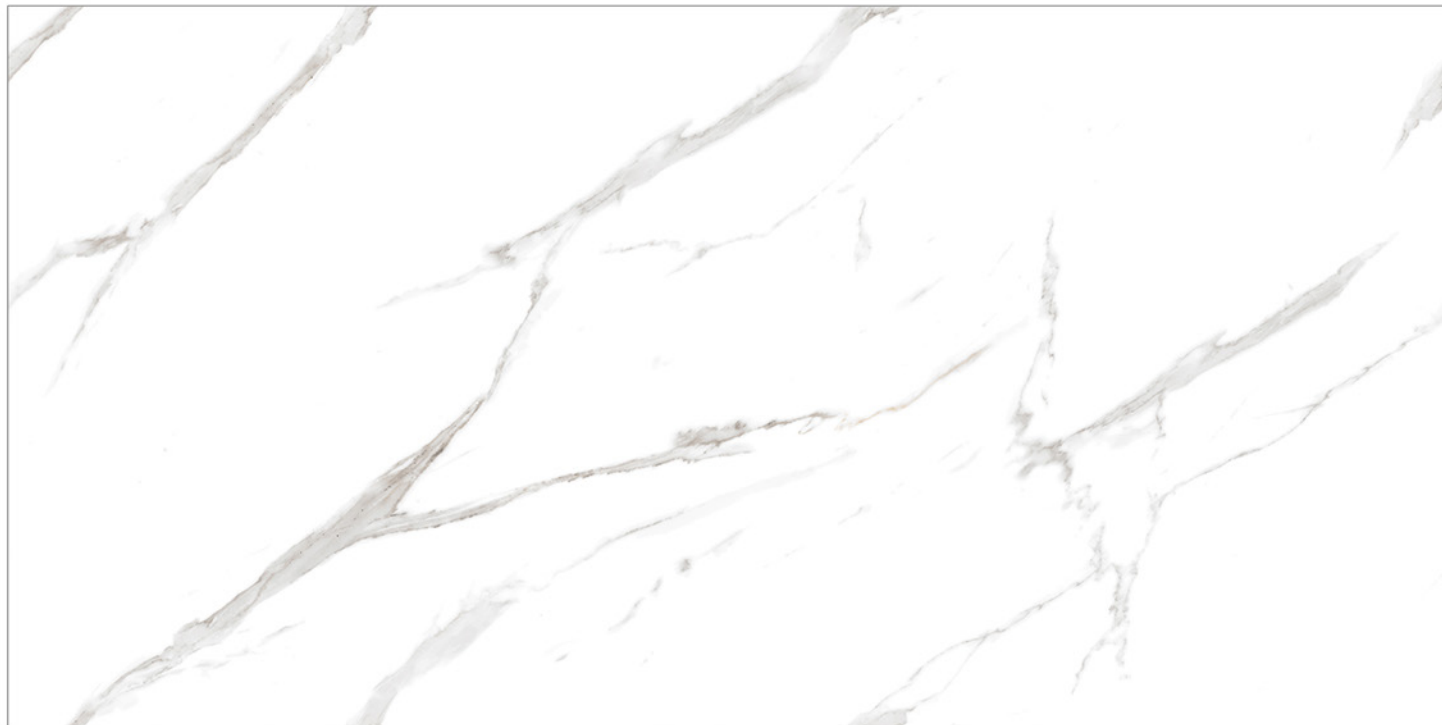
 RANDOM DESIGN

 LOW MAINTENANCE



OFTTEL
CARRARA





 **CLASSIC**
CERAMIC

**oftel
carrara**


**Endless
Carving**
Collection

**600x
1200mm**



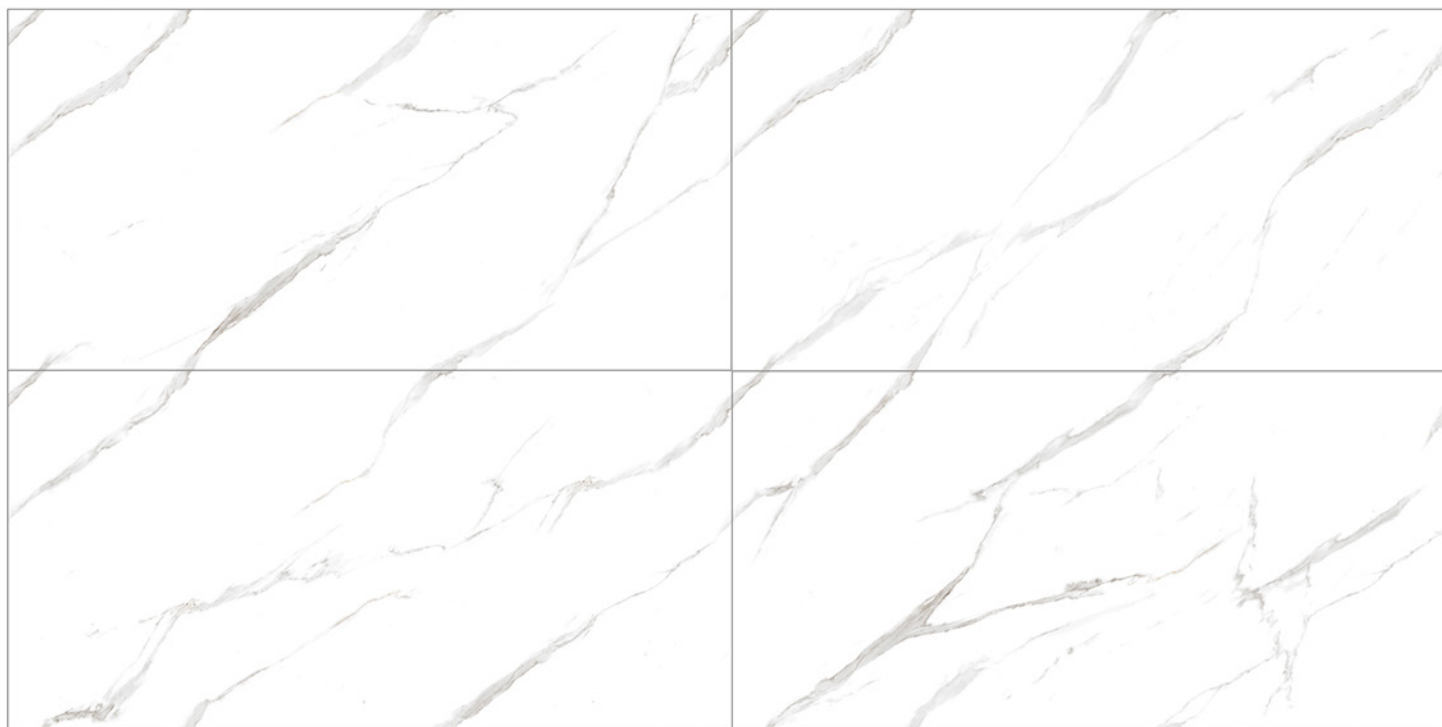
 Finish: **CARVING**

 HIGH STRENGTH

 ECO FRIENDLY

 RANDOM DESIGN

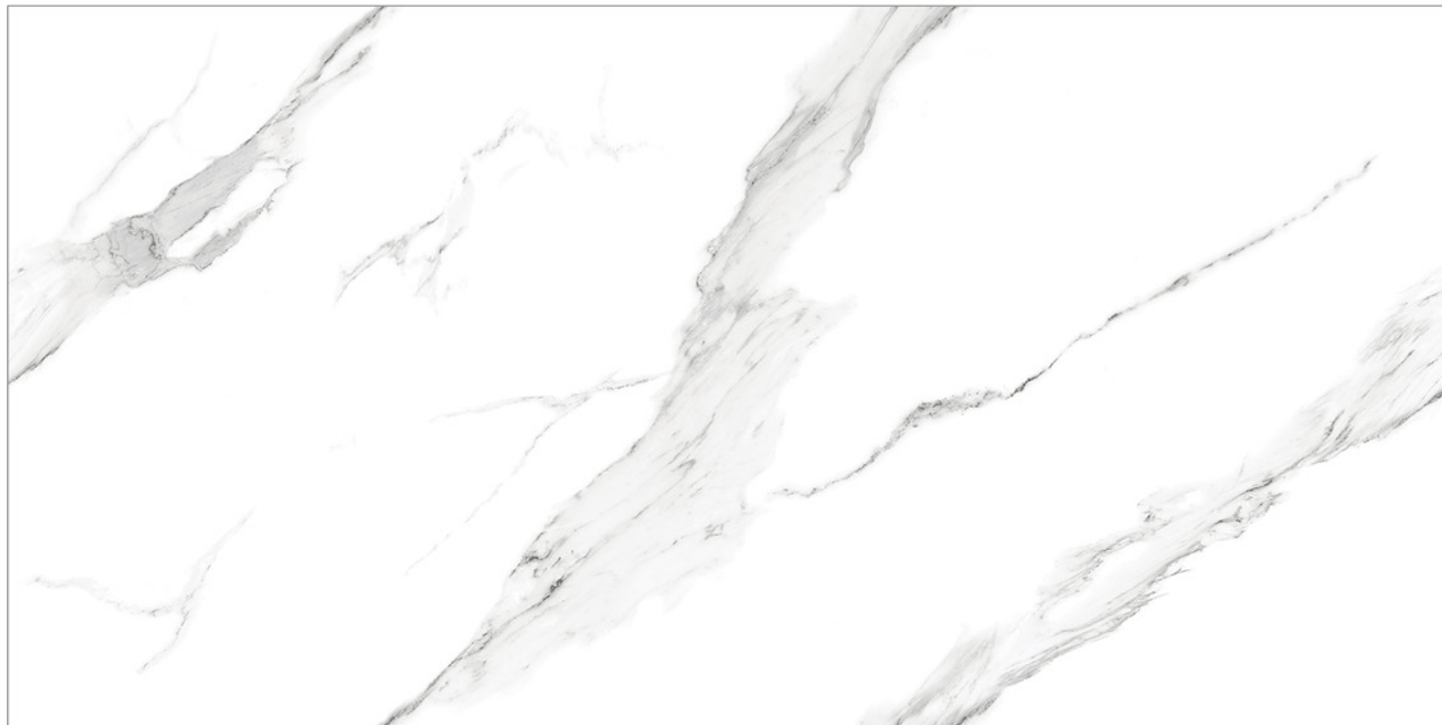
 LOW MAINTENANCE





NESIA
CARRARA





 **CLASSIC**
CERAMIC

**nesia
carrara**


**Endless
Carving**
Collection

**600x
1200mm**



 Finish: **CARVING**

 HIGH STRENGTH

 ECO FRIENDLY

 RANDOM DESIGN

 LOW MAINTENANCE





ITHAKA
PEARL





 **CLASSIC**
CERAMIC

**ithaka
pearl**



**Endless
Carving**
Collection

**600x
1200mm**



Finish: **CARVING**



HIGH STRENGTH



ECO FRIENDLY



RANDOM DESIGN



LOW MAINTENANCE



AGRICANO
SILVER





 **CLASSIC**
CERAMIC

**agricano
silver**


**Endless
Carving**
Collection

**600x
1200mm**



 Finish: **CARVING**

 HIGH STRENGTH

 ECO FRIENDLY

 RANDOM DESIGN

 LOW MAINTENANCE



VAINCO
BEIGE





vainco
beige



endless
Carving
Collection

600x
1200mm



Finish: **CARVING**



HIGH STRENGTH



ECO FRIENDLY



RANDOM DESIGN



LOW MAINTENANCE



DIXO
GREY



**dixo
grey**


**Endless
Carving**
Collection

**600x
1200mm**



 Finish: **CARVING**



HIGH STRENGTH



ECO FRIENDLY



RANDOM DESIGN



LOW MAINTENANCE



WESTCO
GREY





 **CLASSIC**
CERAMIC

**westco
grey**


**endless
Carving**
Collection

**600x
1200mm**



 Finish: **CARVING**

 HIGH STRENGTH

 ECO FRIENDLY

 RANDOM DESIGN

 LOW MAINTENANCE



AMBLIN
THUNDER



amblin thunder



**600x
1200mm**



Finish: **CARVING**



HIGH STRENGTH



ECO FRIENDLY



RANDOM DESIGN



LOW MAINTENANCE



TAXIAN
SILVER





 **CLASSIC**
CERAMIC

**taxian
silver**



**endless
Carving**
Collection

**600x
1200mm**



Finish: **CARVING**



HIGH STRENGTH



ECO FRIENDLY



RANDOM DESIGN



LOW MAINTENANCE

Technical Specifications

CHARACTERISTICS	STANDARD AS PER ISO-13006/EN14411 GROUP B1A	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/mm ²	Min. 40 N/mm ²	Min. 40 N/mm ²	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	Resistant	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	Pieces / Box	Area / Box (approx*)
1	600x1200 mm	2pcs.	1.44 sq. mtr.

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

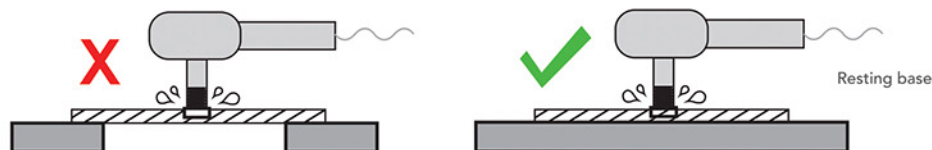
In order to minimize the residual stresses in a slab it is advisable, regardless of the cutting method employed, to remove 25 mm - 1" from the total perimeter of the slab.

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



Instruction

This is for all our customers to inform you that in Endless designs that will not be 100 % joint free.

There will be a minimum variation around 5 mm due to some technical reasons. So we will not entertain any complain regarding this.

