

**1200X1800MM**  
COLLECTION

HIGH GLOSS

MATT CARVING

POLISHED

RUSTIC MATT



EXPLORE SIMPLE YET  
*Significant Design*

# POLISHED POLISHED



DIMENSION  
AND APPEARANCE



CHEMICAL  
RESISTANCE



WATER  
RESISTANCE



THERMAL  
RESISTANCE



STAIN  
RESISTANCE



CRAZING  
RESISTANCE



FROST  
RESISTANCE



SCRATCH  
RESISTANCE



FIRE  
RESISTANCE

**1200x1800MM**

**9 MM THICKNESS**



**ALMOND GREY**

**POLISHED FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**



**ARMANI CICOLATO**

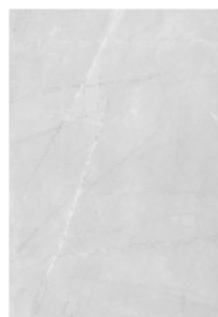
**POLISHED FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**



**ARMANI LIGHT**

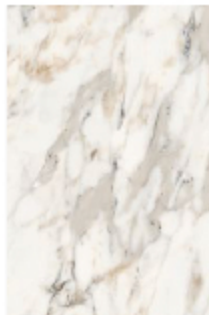
**POLISHED FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**



**ASLAUG WHITE**

**POLISHED FINISH - RANDOM DESIGN**



**1200x1800MM**

**9 MM THICKNESS**

**BOTTOCINO CLASSIC**

**POLISHED FINISH - RANDOM DESIGN**

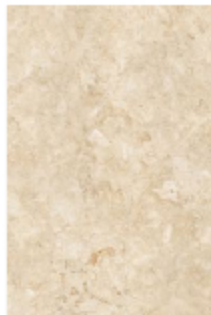
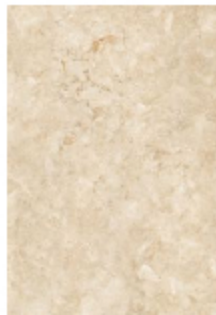
**Orion**  
CORPORATION





**1200x1800MM**

**9 MM THICKNESS**



**BRESCIA**

**POLISHED FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**



**BRESCIA FAME BEIGE**

**POLISHED FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**



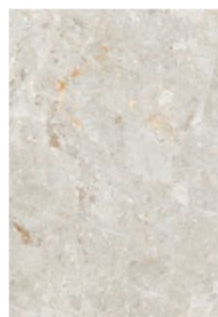
**BRESCIA FAME GOLD**

**POLISHED FINISH - RANDOM DESIGN**



**1200x1800MM**

**9 MM THICKNESS**



**BRESCIA FAME GREY**

**POLISHED FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**



**BURBERRY BIANCO**

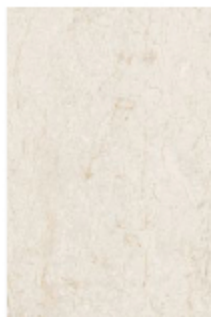
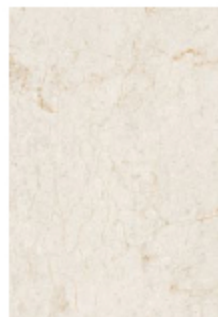
**POLISHED FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**



**CAMBRIA CREMA**

**POLISHED FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**

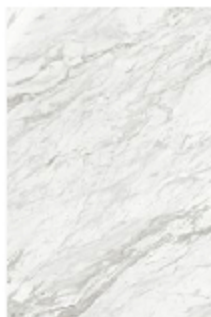
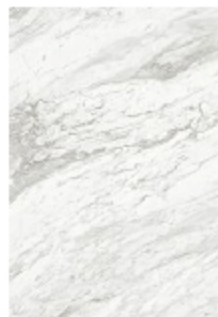
**CAMBRIA NATURAL**

**POLISHED FINISH - RANDOM DESIGN**



**1200x1800MM**

**9 MM THICKNESS**



**CARRARA**

**POLISHED FINISH - RANDOM DESIGN**





**1200x1800MM**

**9 MM THICKNESS**



**CASTEL GRIGIO**

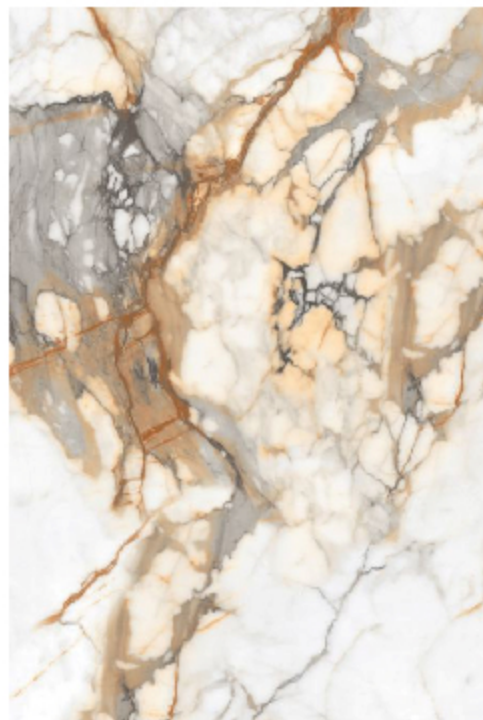
**POLISHED FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**



**CRASH CARRARA**

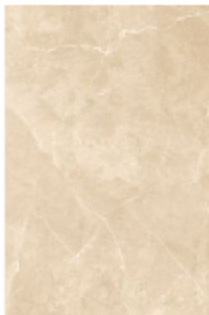
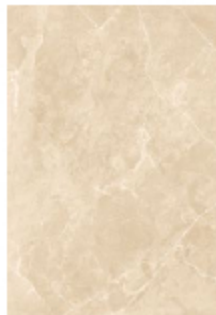
**POLISHED FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**



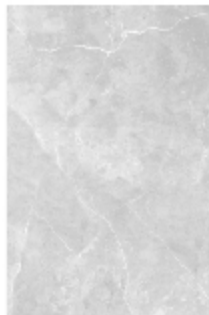
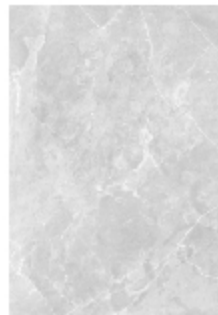
**DOVE BEIGE**

**POLISHED FINISH - RANDOM DESIGN**



**1200x1800MM**

**9 MM THICKNESS**



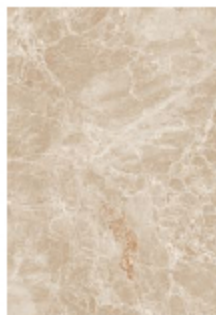
**DOVE GREY**

**POLISHED FINISH - RANDOM DESIGN**



**1200x1800MM**

**9 MM THICKNESS**



**EMPERADOR BEIGE**

**POLISHED FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**

**EMPERADOR GRIGIO**

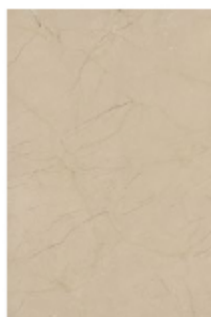
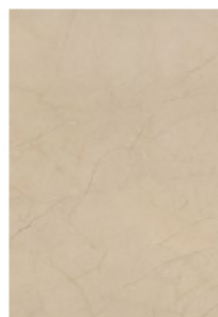
**POLISHED FINISH - RANDOM DESIGN**

**Orion**  
CORPORATION



**1200x1800MM**

**9 MM THICKNESS**



**FILANTO BROWN**

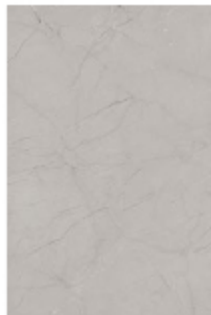
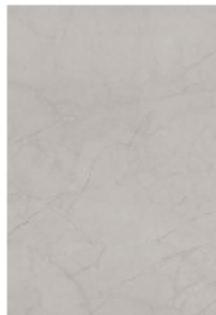
**POLISHED FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**



**FILANTO GREY**

**POLISHED FINISH - RANDOM DESIGN**

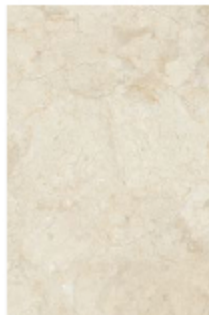
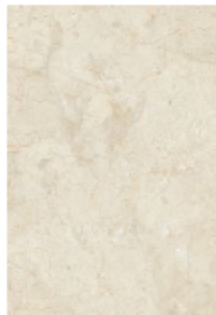


**Orion**  
CORPORATION



**1200x1800MM**

**9 MM THICKNESS**



**FORMIC MARFIL**

**POLISHED FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**



**GREY STREAK**

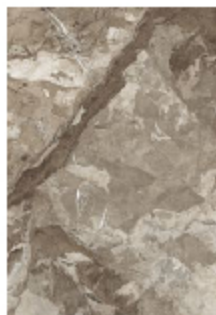
**POLISHED FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**



**HARBOR BROWN**

**POLISHED FINISH - RANDOM DESIGN**



**1200x1800MM**

**9 MM THICKNESS**



**HARBOR SMOKE**

**POLISHED FINISH - RANDOM DESIGN**



**1200x1800MM**

**9 MM THICKNESS**



**INVISTA BEIGE**

**POLISHED FINISH - RANDOM DESIGN**



**1200x1800MM**

**9 MM THICKNESS**



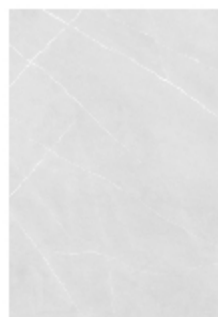
**INVISTA GREY**

**POLISHED FINISH - RANDOM DESIGN**



**1200x1800MM**

**9 MM THICKNESS**



**LIME LIGHT**

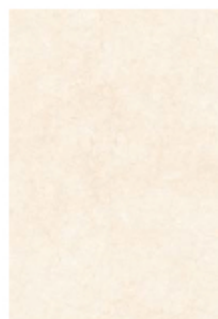
**POLISHED FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**



**LOFTY BIANCO**

**POLISHED FINISH - RANDOM DESIGN**

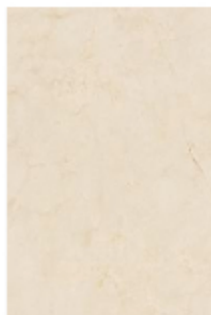
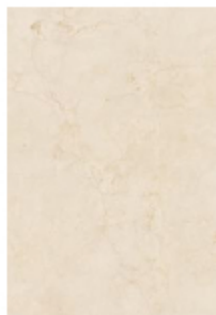


**Orion**  
CORPORATION



**1200x1800MM**

**9 MM THICKNESS**



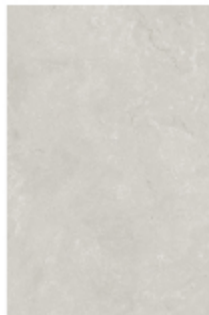
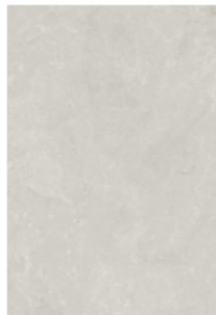
**MARENGO MARFIL**

**POLISHED FINISH - RANDOM DESIGN**



**1200x1800MM**

**9 MM THICKNESS**



**MARSHAL GREY**

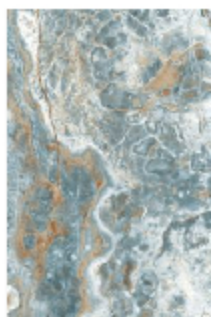
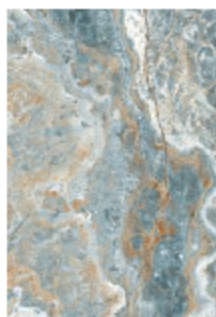
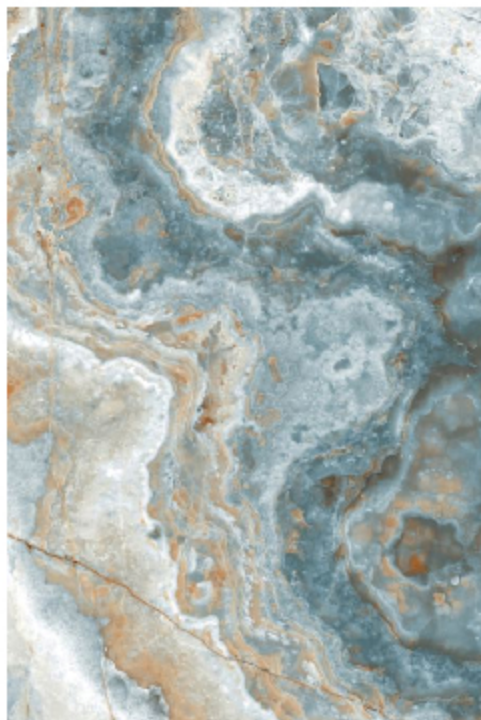
**POLISHED FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**



**ONICE BLUE**

**POLISHED FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

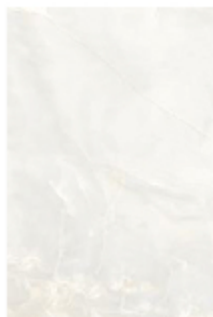
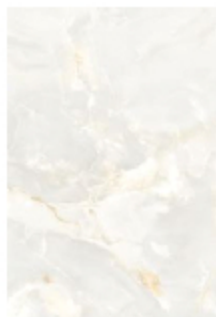
**1200x1800MM**

**9 MM THICKNESS**

**ONYX CRYSTAL BIANCO**

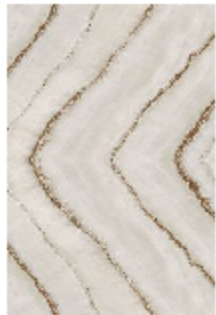
**POLISHED FINISH - RANDOM DESIGN**

**Orion**  
CORPORATION



**1200x1800MM**

**9 MM THICKNESS**



**ONYX GEM**

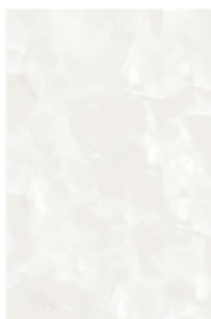
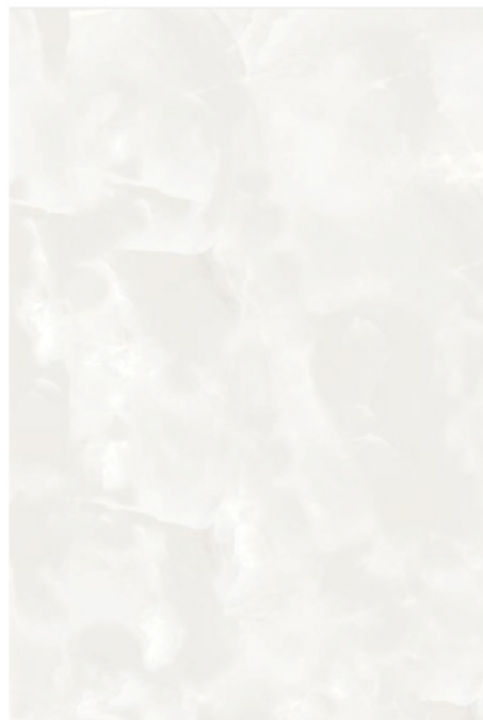
**POLISHED FINISH - BOOK MATCH DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**



**ONYX HEILO**

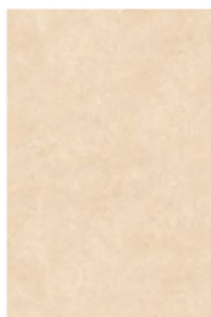
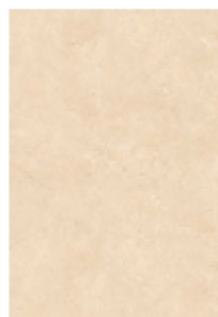
**POLISHED FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**



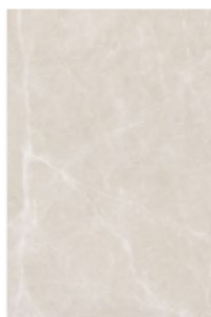
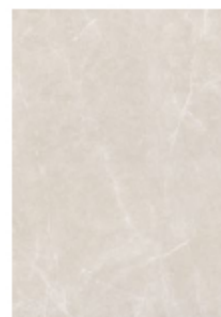
**PILAR BEIGE**

**POLISHED FINISH - RANDOM DESIGN**



**1200x1800MM**

**9 MM THICKNESS**



**PORTOFINO BEIGE**

**POLISHED FINISH - RANDOM DESIGN**

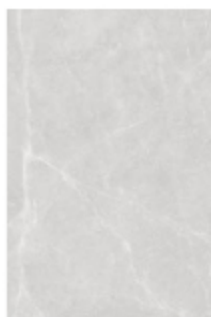
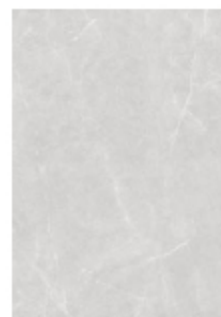


**Orion**  
CORPORATION



**1200x1800MM**

**9 MM THICKNESS**



**PORTOFINO BIANCO**

**POLISHED FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**

**REMOIR SILVER**

**POLISHED FINISH - RANDOM DESIGN**

**Orion**  
CORPORATION



**1200x1800MM**

**9 MM THICKNESS**



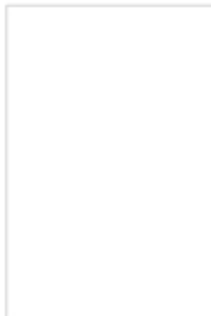
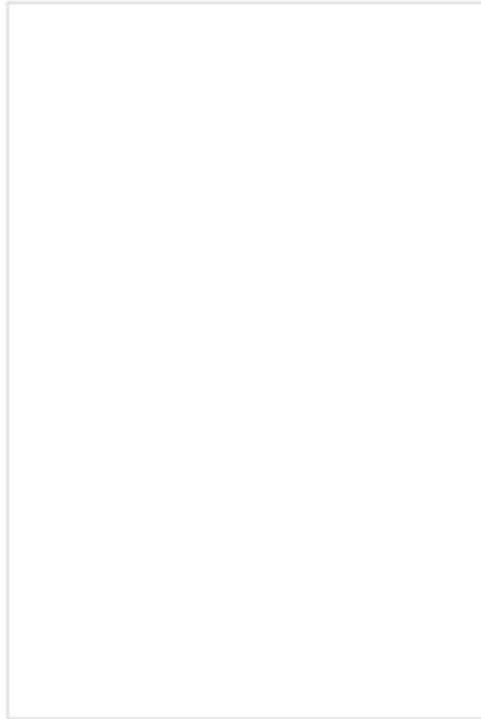
**RIVER STONE SHINY**

**POLISHED FINISH - RANDOM DESIGN**



**1200x1800MM**

**9 MM THICKNESS**



**ROBINSON WHITE - PLAIN WHITE**

**POLISHED FINISH - RANDOM DESIGN**



**1200x1800MM**

**9 MM THICKNESS**



**STATUARIO BLANCO**

**POLISHED FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

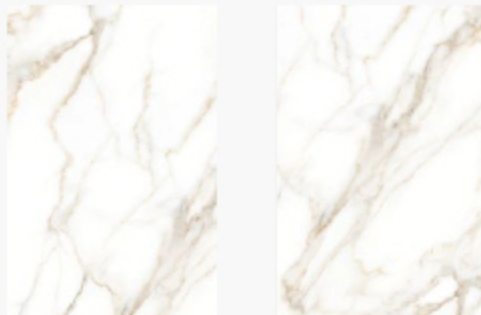
**1200x1800MM**

**9 MM THICKNESS**

**STATUARIO FLARE**

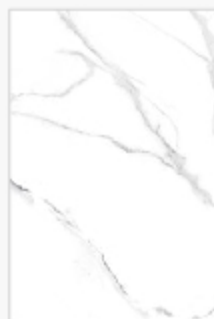
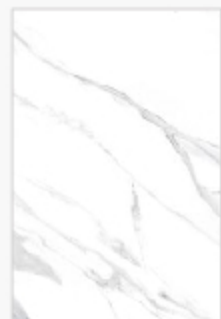
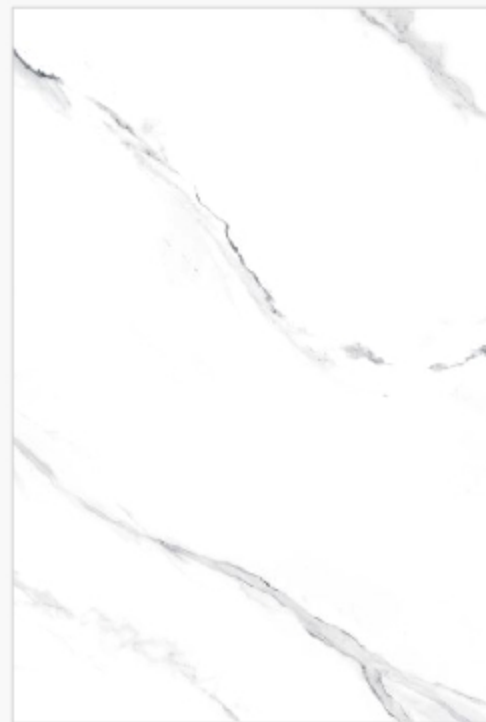
**POLISHED FINISH - RANDOM DESIGN**

**Orion**  
CORPORATION



**1200x1800MM**

**9 MM THICKNESS**



**STATUARIO ICE**

**POLISHED FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**



**STATUARIO SAGA**

**POLISHED FINISH - RANDOM DESIGN**

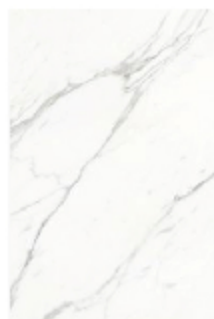


**Orion**  
CORPORATION



**1200x1800MM**

**9 MM THICKNESS**



**STATUARIO WIND**

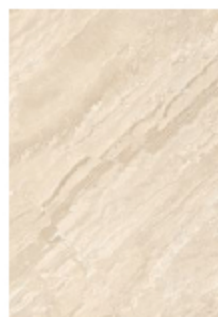
**POLISHED FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**



**SUPER FINE DYNA**

**POLISHED FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**



**TRAVERTINO CLEO**

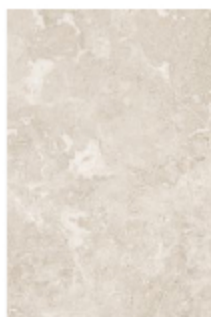
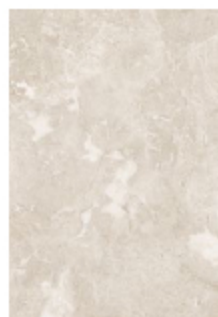
**POLISHED FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**



**VELENTINO BEIGE**

**POLISHED FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**



**VELENTINO GREY**

**POLISHED FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

# HIGH GLOSS

↓ ↓  
DIMENSION  
AND APPEARANCE

  
CHEMICAL  
RESISTANCE

○○○  
WATER  
RESISTANCE

t°  
THERMAL  
RESISTANCE

  
STAIN  
RESISTANCE

  
CRAZING  
RESISTANCE

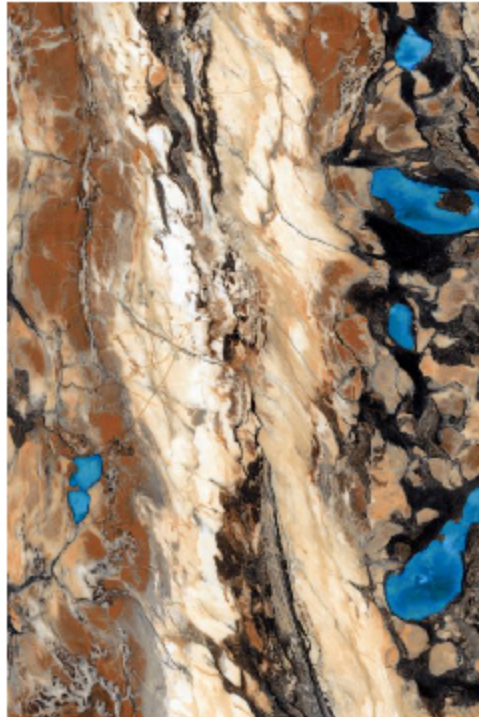
  
FROST  
RESISTANCE

  
SCRATCH  
RESISTANCE

  
FIRE  
RESISTANCE

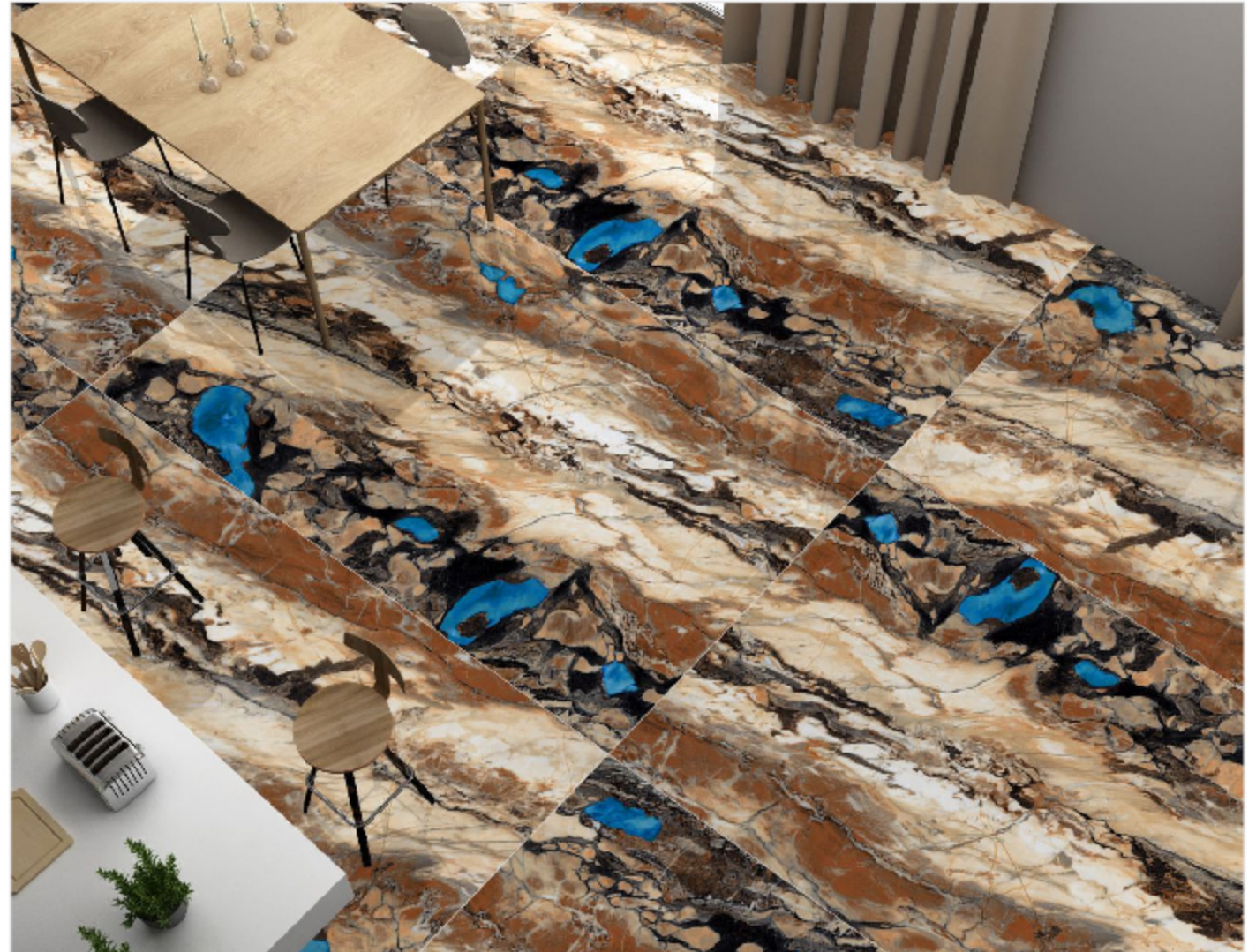
**1200x1800MM**

**9 MM THICKNESS**



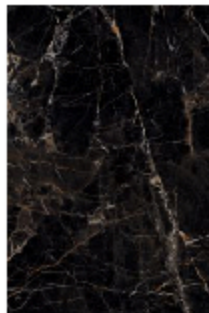
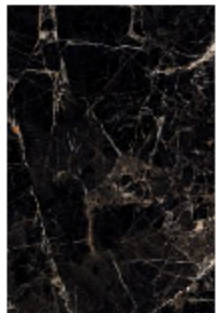
**BATLIC BROWN**

**HIGH GLOSS FINISH - RANDOM DESIGN**



**1200x1800MM**

**9 MM THICKNESS**



**EMPRA GOLD**

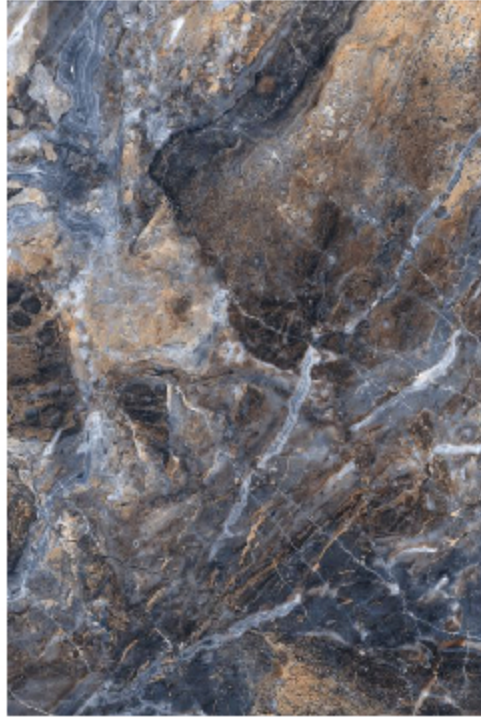
**HIGH GLOSS FINISH - RANDOM DESIGN**





**1200x1800MM**

**9 MM THICKNESS**



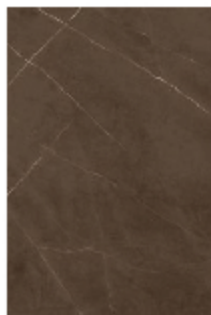
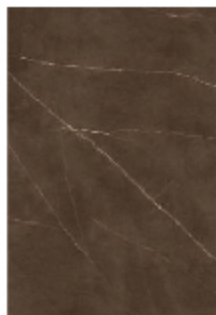
**IRON BLUE**

**HIGH GLOSS FINISH - RANDOM DESIGN**



**1200x1800MM**

**9 MM THICKNESS**



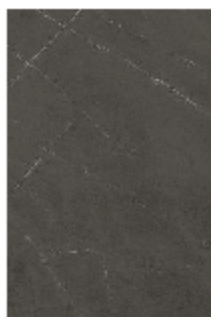
**LIME CHOCO**

**HIGH GLOSS FINISH - RANDOM DESIGN**



**1200x1800MM**

**9 MM THICKNESS**



**LIME GREY**

**HIGH GLOSS FINISH - RANDOM DESIGN**



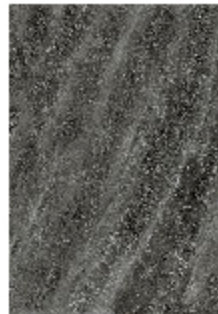
**Orion**  
CORPORATION

**1200x1800MM**

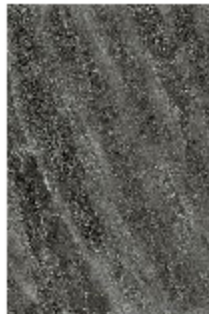
**9 MM THICKNESS**



**A**



**B**



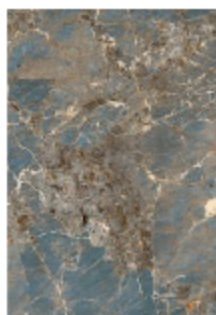
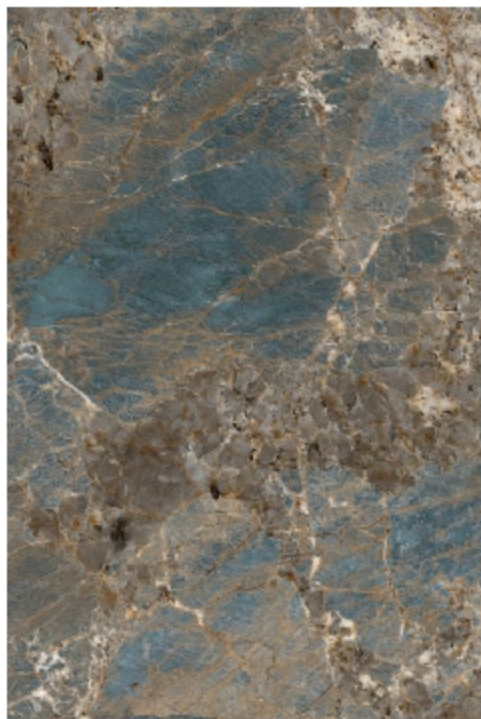
**LOUIS GREY**

**HIGH GLOSS FINISH - BOOK MATCH A+B DESIGN**



**1200x1800MM**

**9 MM THICKNESS**



**LUXURIA AQUA GREEN**

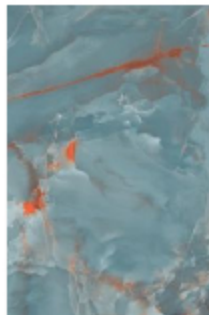
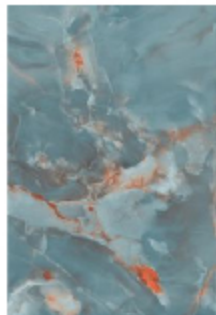
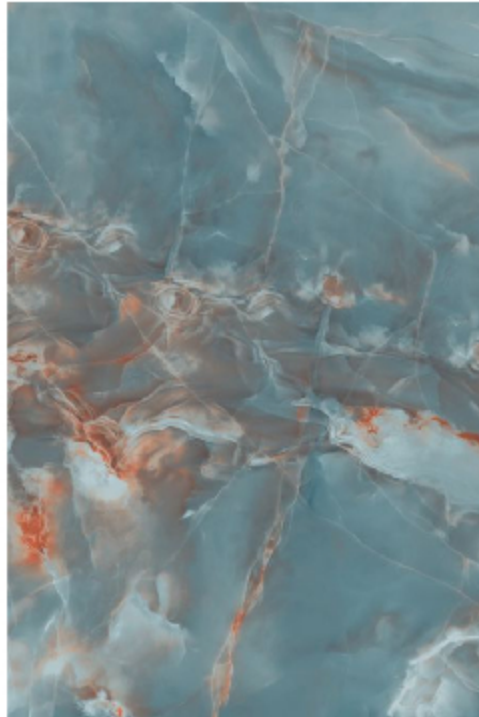
**HIGH GLOSS FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**



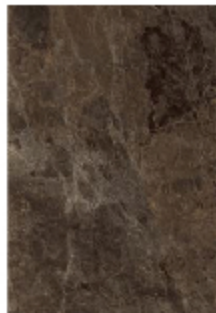
**ONYX CRYSTAL AQUA**

**HIGH GLOSS FINISH - RANDOM DESIGN**



**1200x1800MM**

**9 MM THICKNESS**



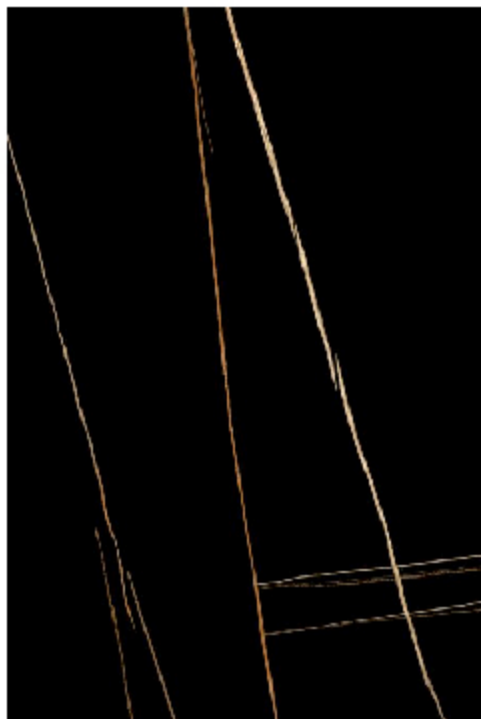
**PERADISO BROWN**

**HIGH GLOSS FINISH - RANDOM DESIGN**



**1200x1800MM**

**9 MM THICKNESS**



**SAINT LAURENT**

**SUPER HIGH GLOSS FINISH - RANDOM DESIGN**

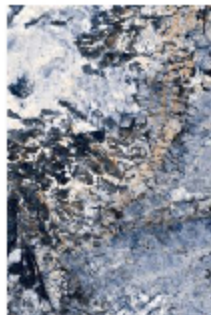
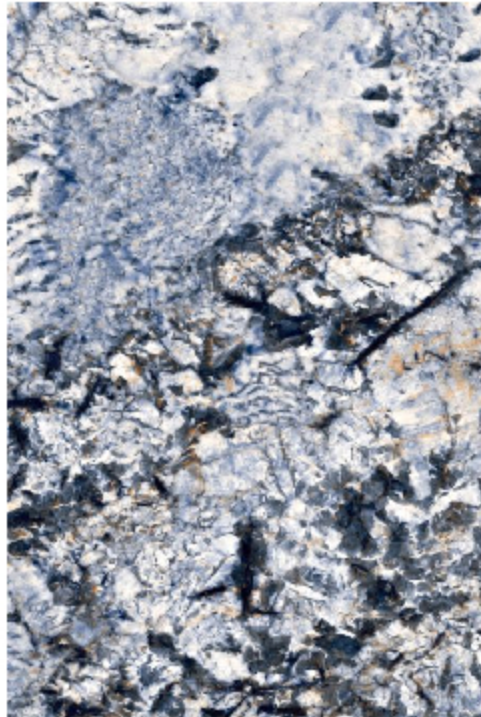


**Orion**  
CORPORATION



**1200x1800MM**

**9 MM THICKNESS**



**SOLARIUM BLUE**

**HIGH GLOSS FINISH - RANDOM DESIGN**



**1200x1800MM**

**9 MM THICKNESS**



**SOLARIUM BROWN**


**HIGH GLOSS FINISH - RANDOM DESIGN**




# RUSTIC MATT < MATT CARVING



DIMENSION  
AND APPEARANCE



CHEMICAL  
RESISTANCE



WATER  
RESISTANCE



THERMAL  
RESISTANCE



STAIN  
RESISTANCE



CRAZING  
RESISTANCE



FROST  
RESISTANCE



SCRATCH  
RESISTANCE



FIRE  
RESISTANCE

**1200x1800MM**

**9 MM THICKNESS**



**CAMBRIA GRIS**

**RUSTIC MATT FINISH / MATT CARVING FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

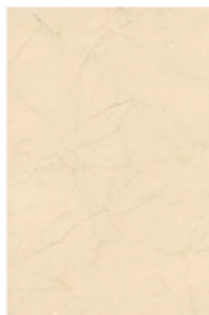
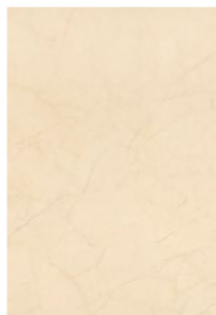
**1200x1800MM**

**9 MM THICKNESS**

**FILANTO BEIGE**

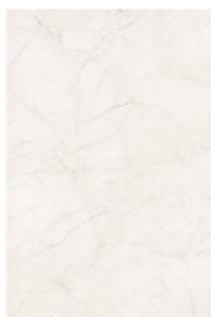
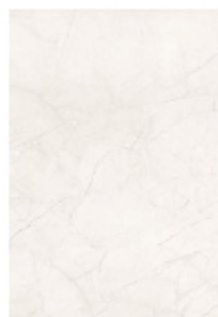
**RUSTIC MATT FINISH / MATT CARVING FINISH - RANDOM DESIGN**

**Orion**  
CORPORATION



**1200x1800MM**

**9 MM THICKNESS**



**FILANTO LIGHT**

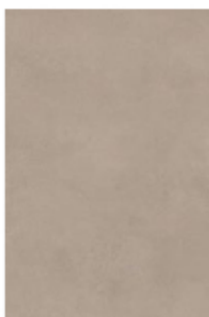
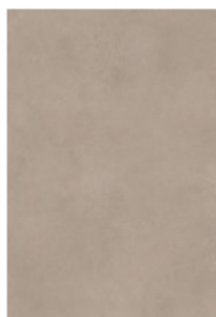
**RUSTIC MATT FINISH / MATT CARVING FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

1200x1800MM

9 MM THICKNESS



PORTLAND BARLEY

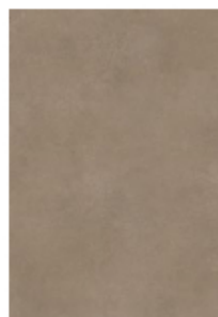
RUSTIC MATT FINISH / MATT CARVING FINISH - RANDOM DESIGN



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**



**PORTLAND BEIGE**

**RUSTIC MATT FINISH / MATT CARVING FINISH - RANDOM DESIGN**

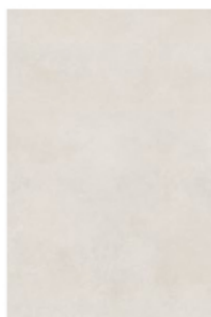
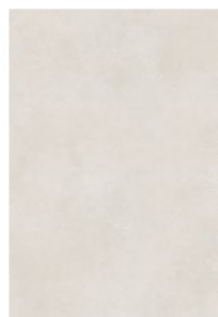


**Orion**  
CORPORATION



**1200x1800MM**

**9 MM THICKNESS**



**PORTLAND CREMA**

**RUSTIC MATT FINISH / MATT CARVING FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**



**PORTLAND DOVE**

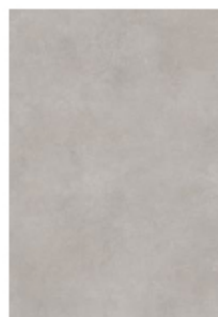
**RUSTIC MATT FINISH / MATT CARVING FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**



**PORTLAND GREY**

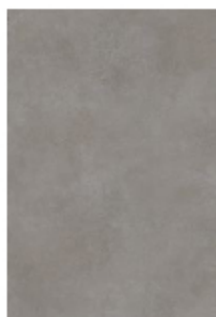
**RUSTIC MATT FINISH / MATT CARVING FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**



**PORTLAND SLATE**

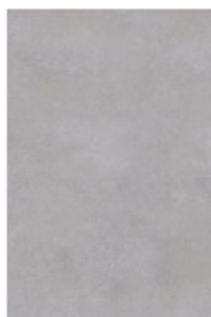
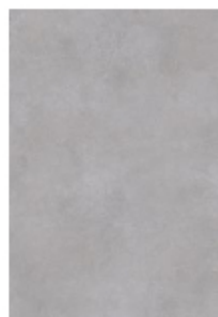
**RUSTIC MATT FINISH / MATT CARVING FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**



**PORTLAND VIOLA**

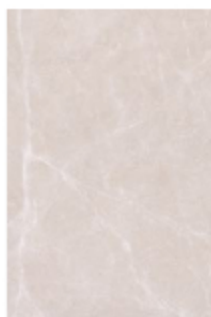
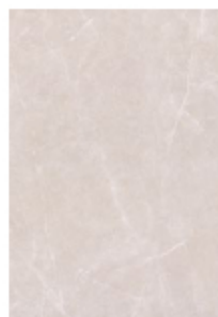
**RUSTIC MATT FINISH / MATT CARVING FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**



**PORTOFINO PINK**

**RUSTIC MATT FINISH / MATT CARVING FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**



**RIVER STONE NATURAL**

**RUSTIC MATT FINISH / MATT CARVING FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**

**STATUARIO STYLE**

**RUSTIC MATT FINISH / MATT CARVING FINISH - RANDOM DESIGN**





**1200x1800MM**

**9 MM THICKNESS**



**TEXTURE BEIGE**

**RUSTIC MATT FINISH / MATT CARVING FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**



**TEXTURE GREY**

**RUSTIC MATT FINISH / MATT CARVING FINISH - RANDOM DESIGN**



**Orion**  
CORPORATION

**1200x1800MM**

**9 MM THICKNESS**

**TRAVERTINO TERRARO**

**RUSTIC MATT FINISH / MATT CARVING FINISH - RANDOM DESIGN**

**Orion**  
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# SPECIFICATIONS

CHARACTERISTICS	STANDARD AS PER ISO-13006/EN14411 GROUP B1A	MEAN VALUE OF PGVT	MEAN VALUE OF CVT	TEST METHOD
<b>REGULATORY PROPERTIES</b>				
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%	CLOSSOMETER
<b>SURFACE MECHANICAL PROPERTIES</b>				
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
<b>MASSIVE MECHANICAL PROPERTIES</b>				
Modulus of rupture	Min. 35 N/mm <sup>2</sup>	Min. 40 N/mm <sup>2</sup>	Min. 40 N/mm <sup>2</sup>	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
<b>SURFACE MECHANICAL PROPERTIES</b>				
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
<b>THERMO HYDROMETRIC PROPERTIES</b>				
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 <sup>-6</sup>	Max. 6.5x10 <sup>-6</sup>	Max. 6.5x10 <sup>-6</sup>	ISO-10545-8
Crazing resistance	As per mfg.	Min. 10 Cycle	Min. 10 Cycle	ISO-10545-11
<b>CHEMICAL PROPERTIES</b>				
Chemical resistance	No damage	No damage	No damage	ISO-10545-13
Stain resistance	Resistant	Resistant	Resistant	ISO-10545-14
<b>SAFETY PROPERTIES</b>				
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

# 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

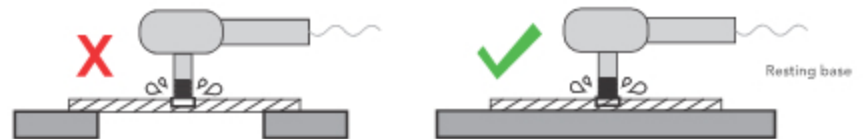
In order to minimize the residual stresses in a slab it is advisable, regardless of the cutting method employed, to remove 25 mm - 1" from the total perimeter of the slab.

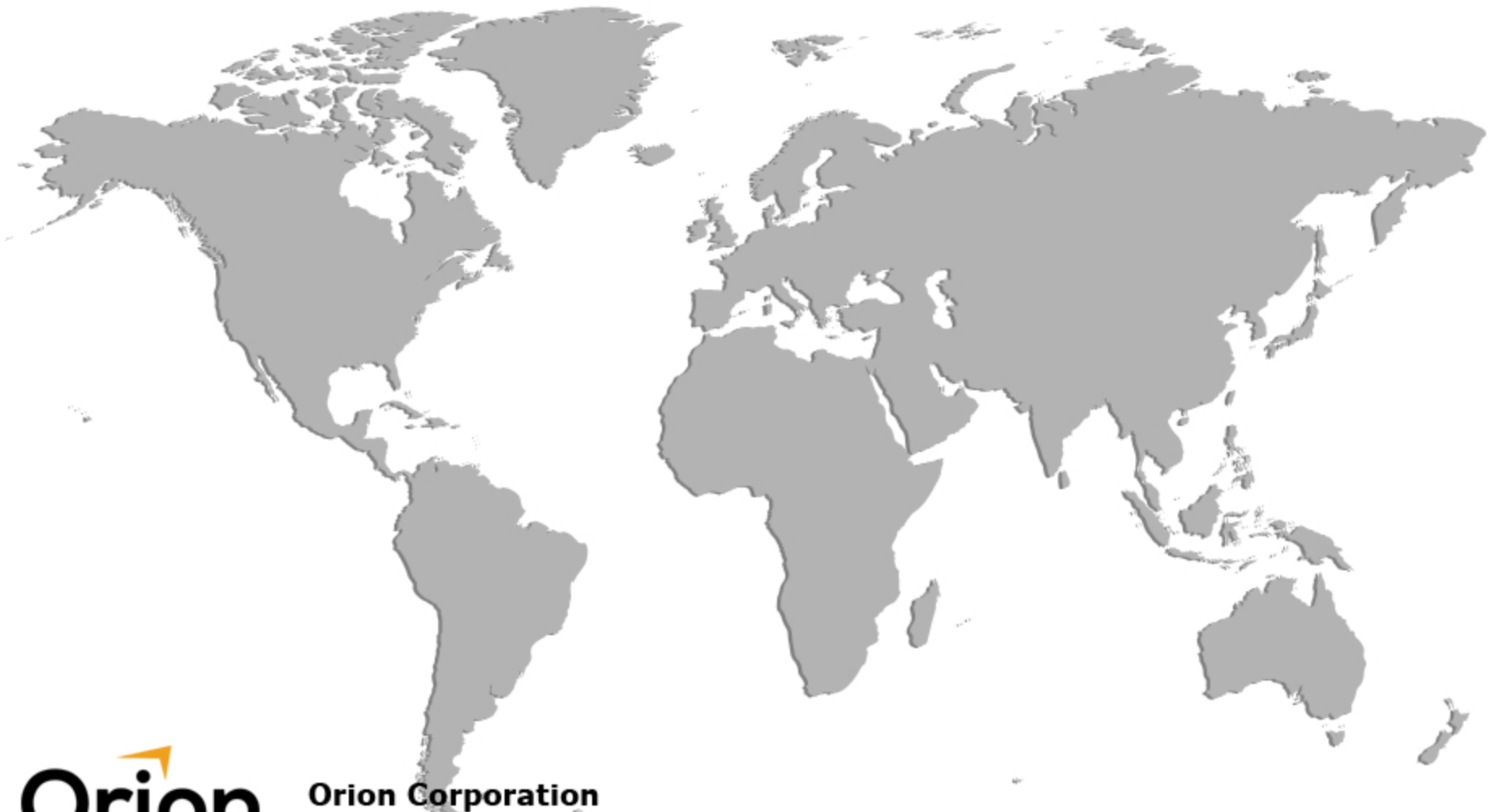
This not only mitigates the future stresses but also eliminates all possible stress that the material has accumulated during its manufacture, handling or transport until is finally done any operation into the slab.

## Cutting



## Drilling





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