

# epsilon

T I L E

Living Innovations



[www.epsilontile.com](http://www.epsilontile.com)

A Timeless  
Reflection  
of Sophistication

Epsilon is a daughter company of Antique Group.  
Antique Group entered into tiles industry in 1994.  
Epsilon is the premium ceramic brand par excellence,  
with products conspicuous for their elegance and sophistication,  
based on cutting-edge technology and modern design.

A brand with a forward looking philosophy and strong emphasis  
on innovation and design. We build on our experience as  
manufacturers and keen interest in progress, redefining ourselves  
to keep up with the times. With products more versatile than ever  
before thanks to our new formats, finishes and textures,  
we aspire to create exquisitely desirable products truly distinctive  
from all the rest.

**TECHNOLOGY - R&D PARTNERS**





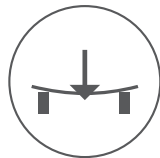
TECHNICAL **FEATURES :**



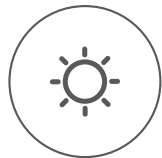
**Resistance**  
To Heat



**3mm Groove**  
Recommended



**Flexible**



**Resistant To**  
UV Rays



**Stain**  
resistance



**Chemical**  
Resistance



**Frost**  
Resistant



**Light**  
Weight

**800x  
1600MM**

The surprising shine of the materials enhances the prestige and natural beauty of surfaces. We have created a timeless amazing collection that definitely meets contemporary design with unmatched elegance. Their colors and structures coordinate with one another spontaneously and are therefore always in harmony. The size range allows for enhancement of any space and offers the utmost design freedom for newly created modular solutions. These multi size installation patterns clad any surface with style and class.



**MATT  
FINISH**



**GLOSSY  
FINISH**



**HIGH GLOSS  
FINISH**



**CARVING  
FINISH**



**WOOD MATT  
FINISH**



*The artistic expression*  
THAT RENEWS SPACES



### AVAILABLE SIZES

200x1200MM | 300x600MM | 600x600MM | 600x1200MM  
800x800MM | 800x2400MM | 1200x1200MM | 1200x2400mm

## APPLICATION



CAFÉ



BATHROOM



RECEPTION



DINING AREA



SALOON

From interior to exterior coverings and floors, from Heavy Duty such as Malls, Airports & Shops we have landed at Habitat, a proposal entirely dedicated to All Habitual Spaces an evolution capable of giving shape to design Urban Areas with a strong presence architectural.

**3**

Manufacturing  
Units

**18**

Million sq. Mtr.  
production  
capacity

**25+**

Exporting  
countries

**7+**

Different Size

**7+**

Different Finish



# “EPSILON TILE”

Epsilon is pioneer in developing luxe porcelain tiles that harmonize surroundings with elegance. our tiles are manufactured from the best materials that offer refreshing versatility and endless customization.

## Aesthetically Designed

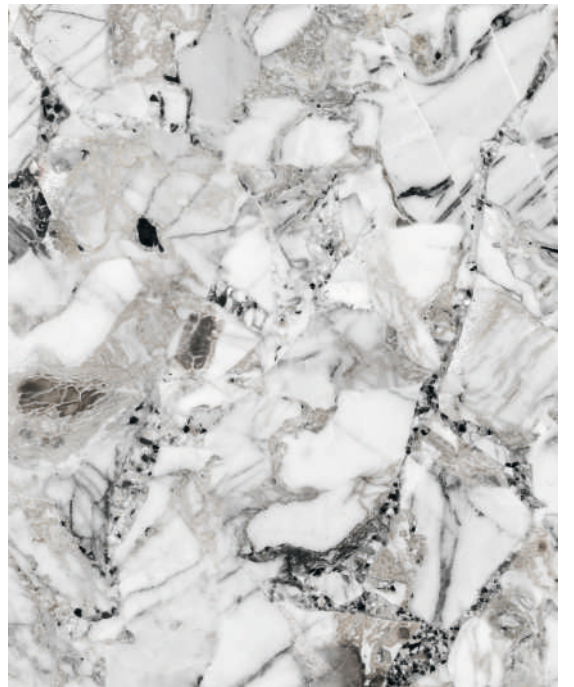
Designed to create a calm and serene environment along with showing class and character to living and working spaces of all surfaces, our tiles make a style statement allowing you to choose from a wide range of designs, textures, colors, and effects.

## Durable in Quality

We use state-of-the-art machines and automated processes along with high-quality materials to produce world-class marble porcelain tiles that are scratch resistant, waterproof and maintenance free providing exceptional customer experiences.







**GLOSSY  
FINISH**



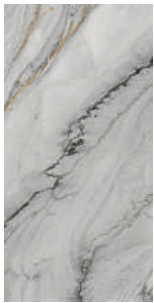
**Dominion of  
*luxury***





ATLANTA BROWN

R-6



ATLANTA GREY

R-6



BIANCO CARRARA

R-3



BAYONA CREMA

R-4







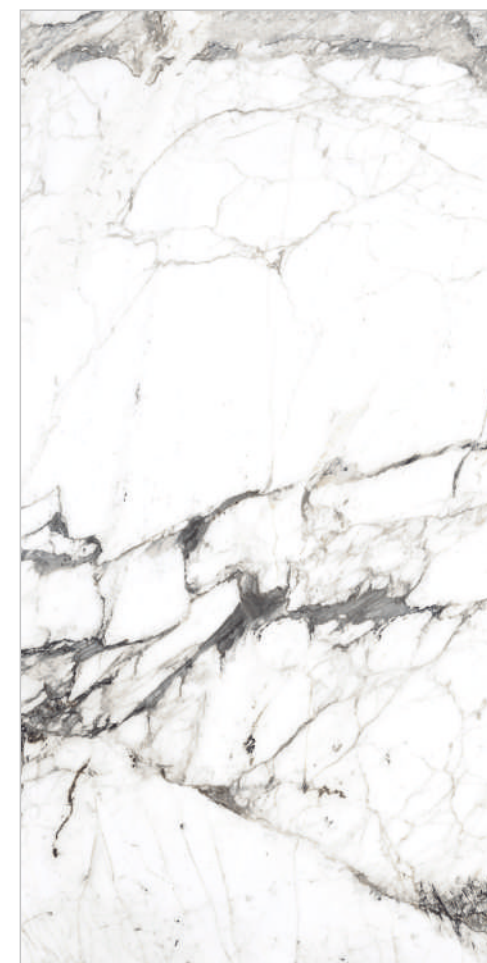
CALACATTA CORNITO

R-3



CALCATA ORO

R-5



CALCATA PRIME

R-3



CASTELO BEIGE

R-6





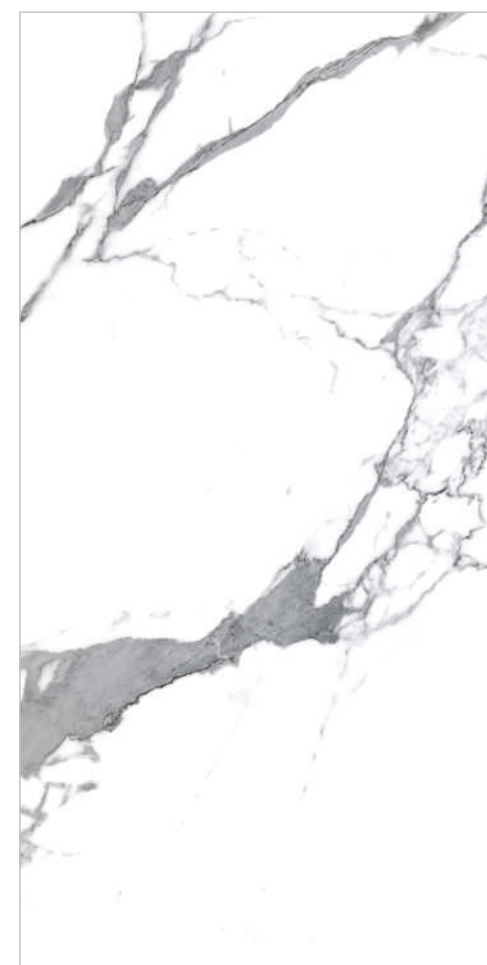
CERRAD GREY

R-2



ELEGANT STATUARIO

R-3



ELITE STATUARIO

R-5



ENNA DARK GREY

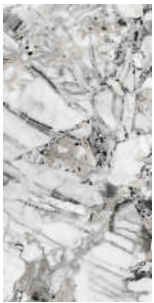
R-6





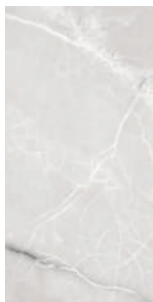
ESSENCE LGY

R-4



EXOTIC ICE

R-4



EROS GREY ONYX

R-6

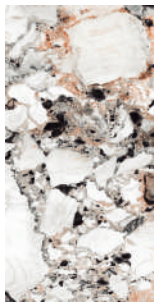
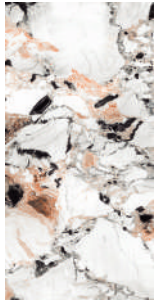


ESSENCE CREMA

R-4







EXOTIC PINK ICE

R-4



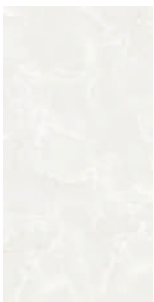
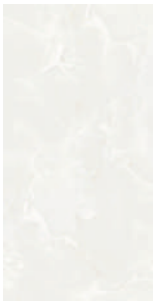
FOREST CAFFE

R-3



FOREST SILVER

R-3

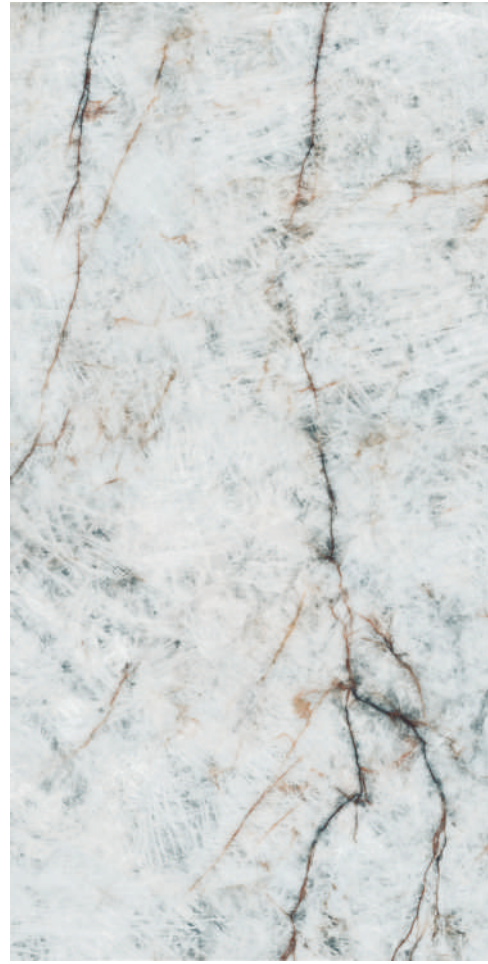


GLACIER ONYX BLANCO

R-3

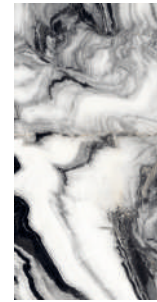






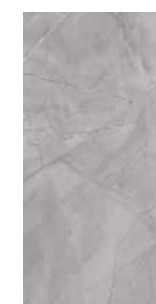
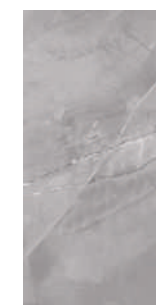
HIMALAYAN CRYSTAL

R-3



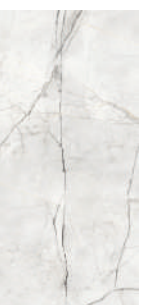
LASA BIANCO

R-3



LIMA GREY

R-4



MARCELI WHITE

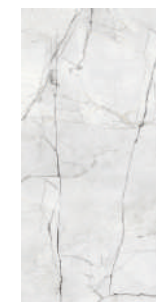
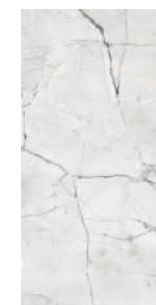
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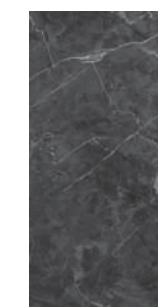
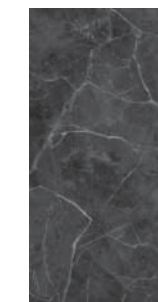
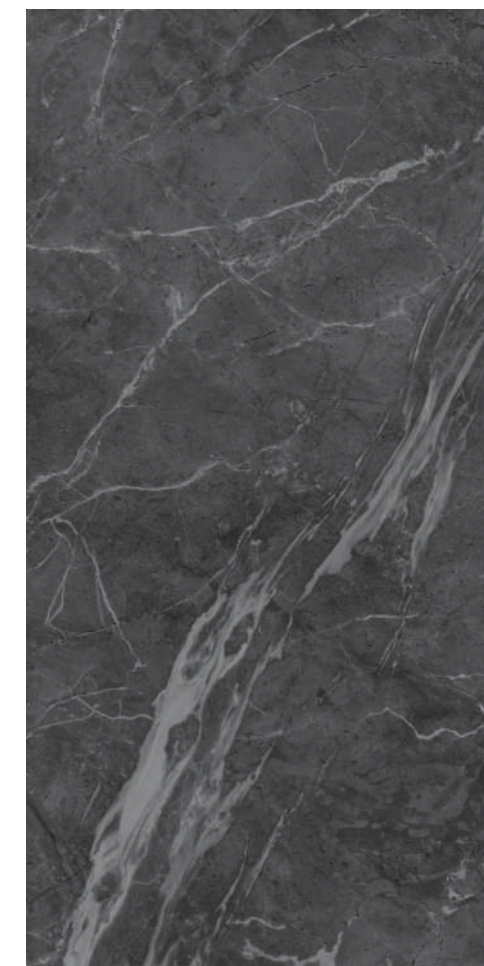
GLOSSY  
FINISH

800x  
1600M



MARSELLE NATURAL ET

R-4



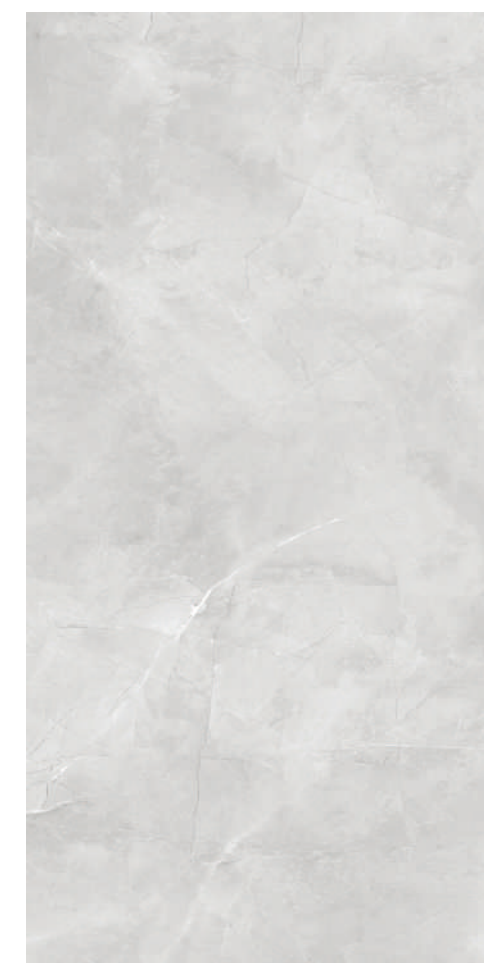
MAXIMUS GREY

R-3



NOVOLATO BEIGE

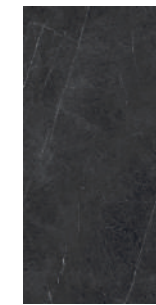
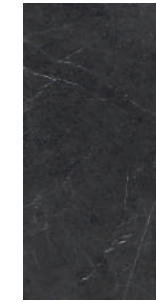
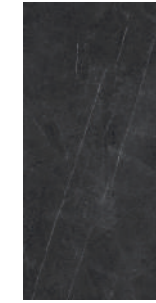
R-4



NOVOLATO GREY

R-3





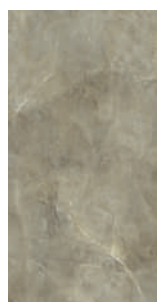
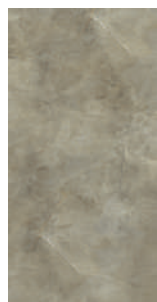
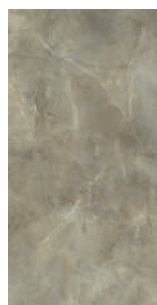
PIETRA ANTHRACITE

R-8



SOUL WHITE

R-3



NOVOLATO NATURAL

R-4

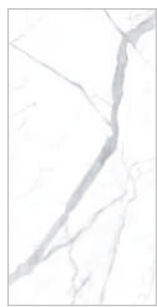


PALISSANDRO BLUETTE

R-6

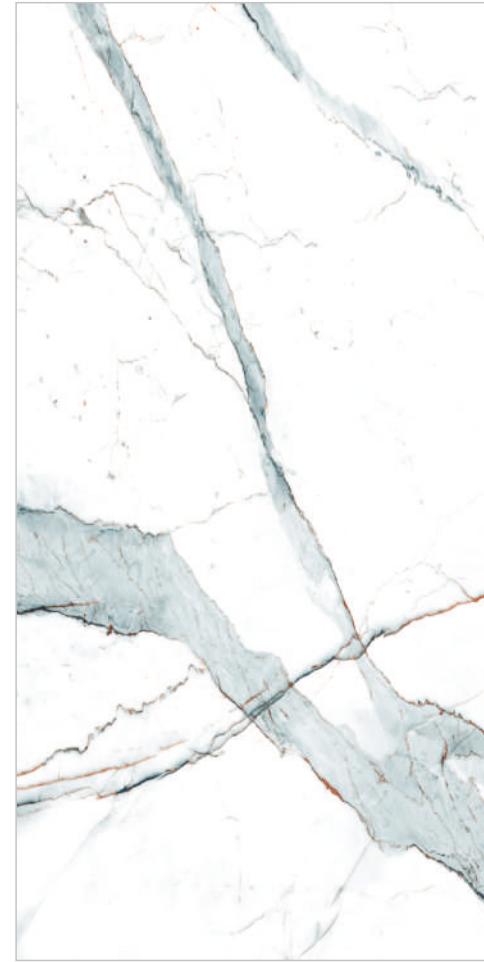






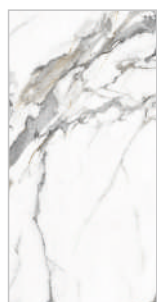
SPLENDENTE STATUARIO

R-3



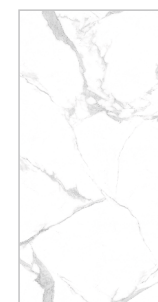
STATUARIO GLACIER

R-3



STATUARIO PRIME

R-6



STATUARIO ROMA GREY

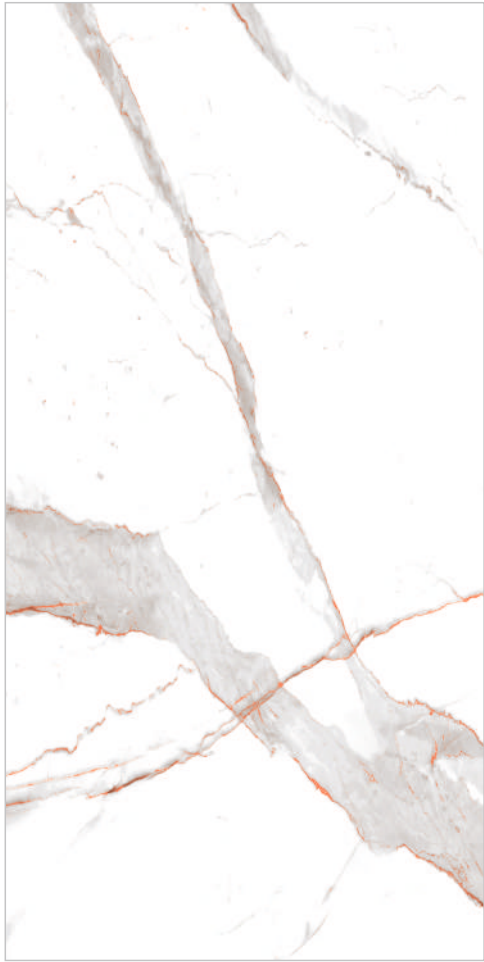
R-3





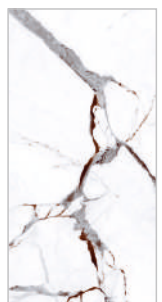
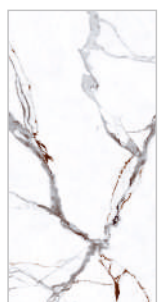
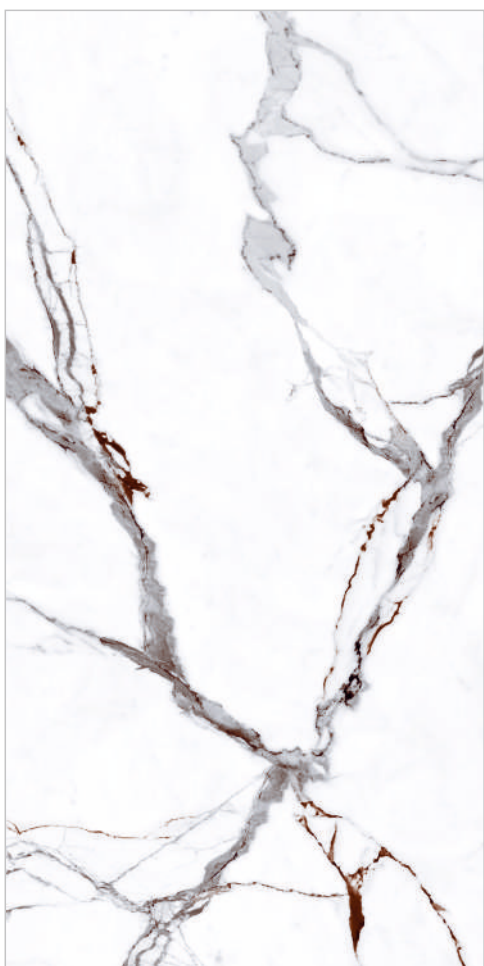


GLOSSY FINISH | 800x1600M



STATUARIO ROSSO

R-3



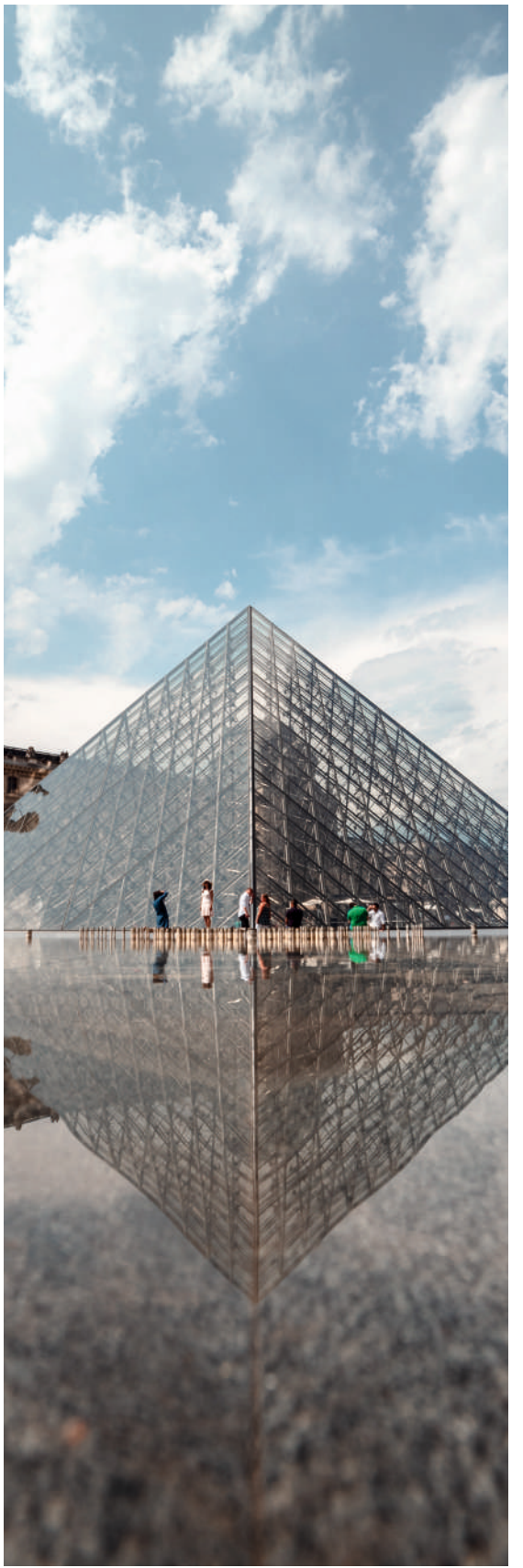
VOLCANO ANTIC

R-3





**BOOK  
MATCH**



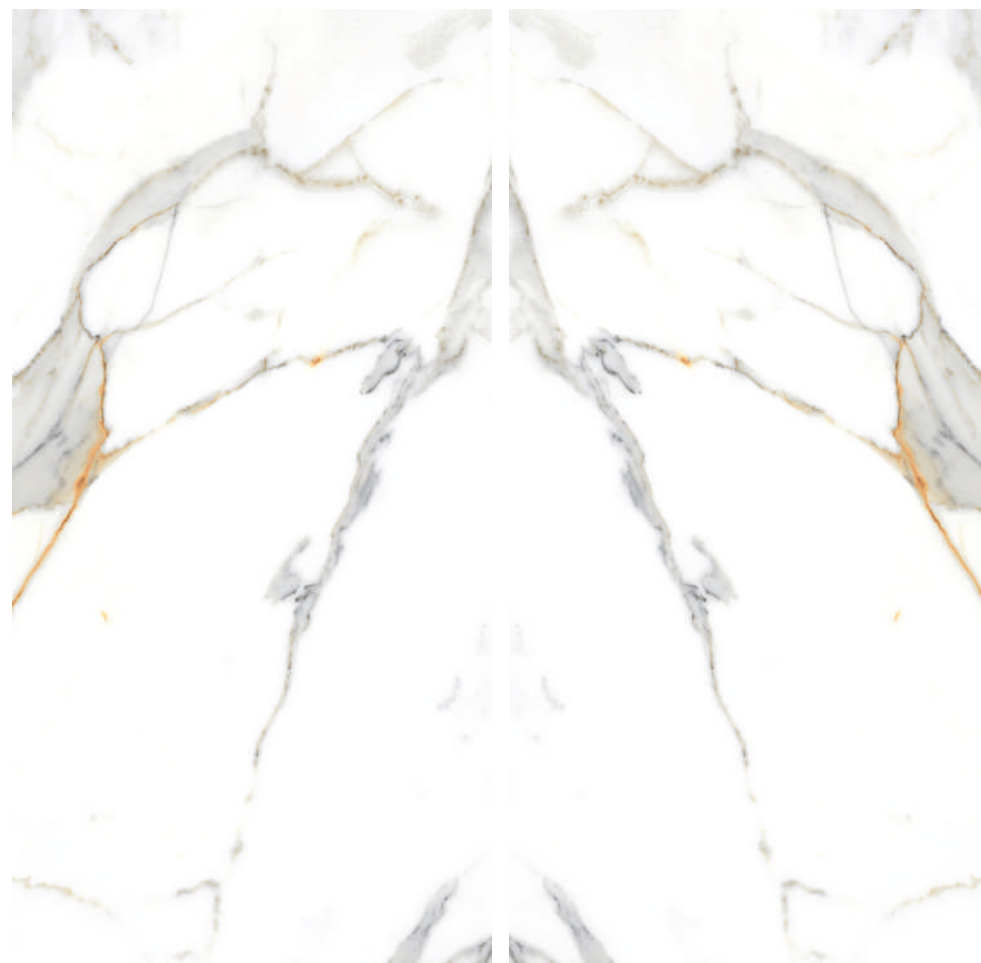
**Supremely  
*beautiful***





BRECCIA CREMA

R-2



CALCATA LUMINA GOLD

R-2



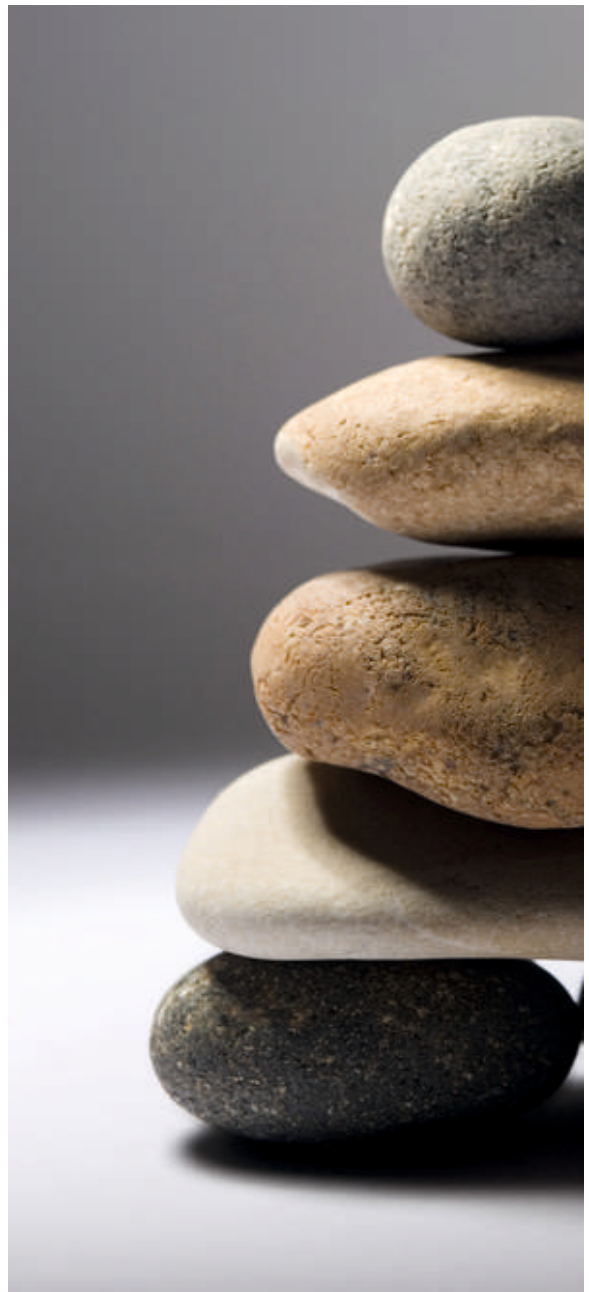
GRIGIO HIMALAYA

R-2





**MATT  
FINISH**



**Appeal of  
*affluence***





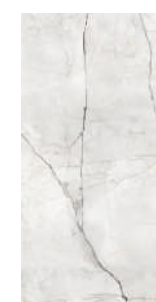
CALCATA BIANCO SOFT

R-5



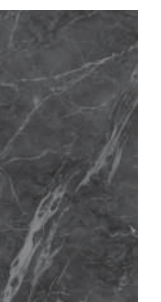
MARSELLE NATURAL

R-4



MARCELI WHITE

R-3



MAXIMUS GREY

R-3





NOVOLATO BEIGE

R-4



NOVOLATO GREY

R-3



NOVOLATO NATURAL

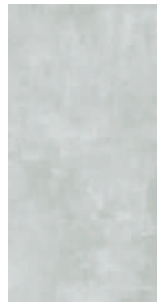
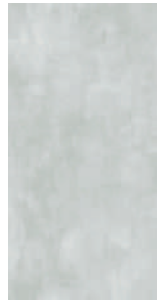
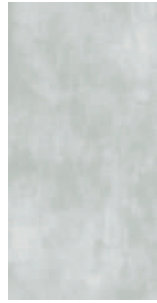
R-4



PLASTER GREFIED

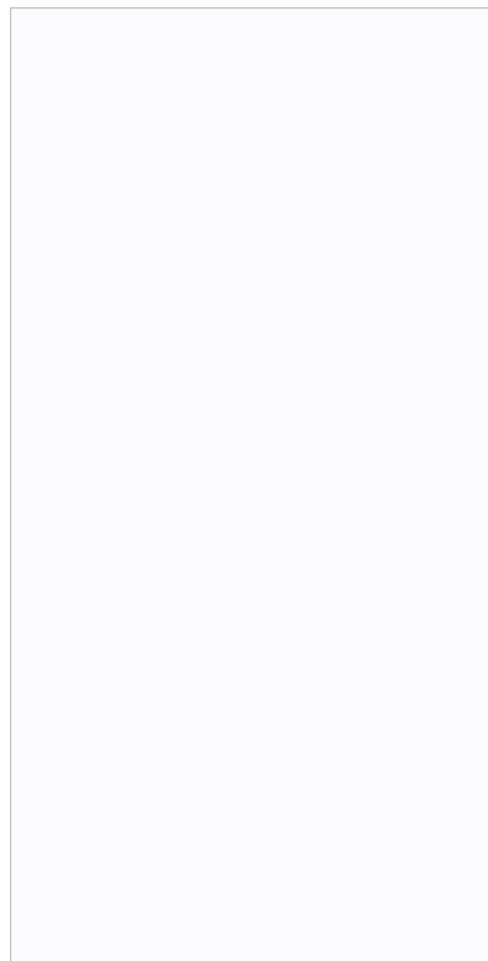
R-4





PLASTER LIGHT GREY

R-4

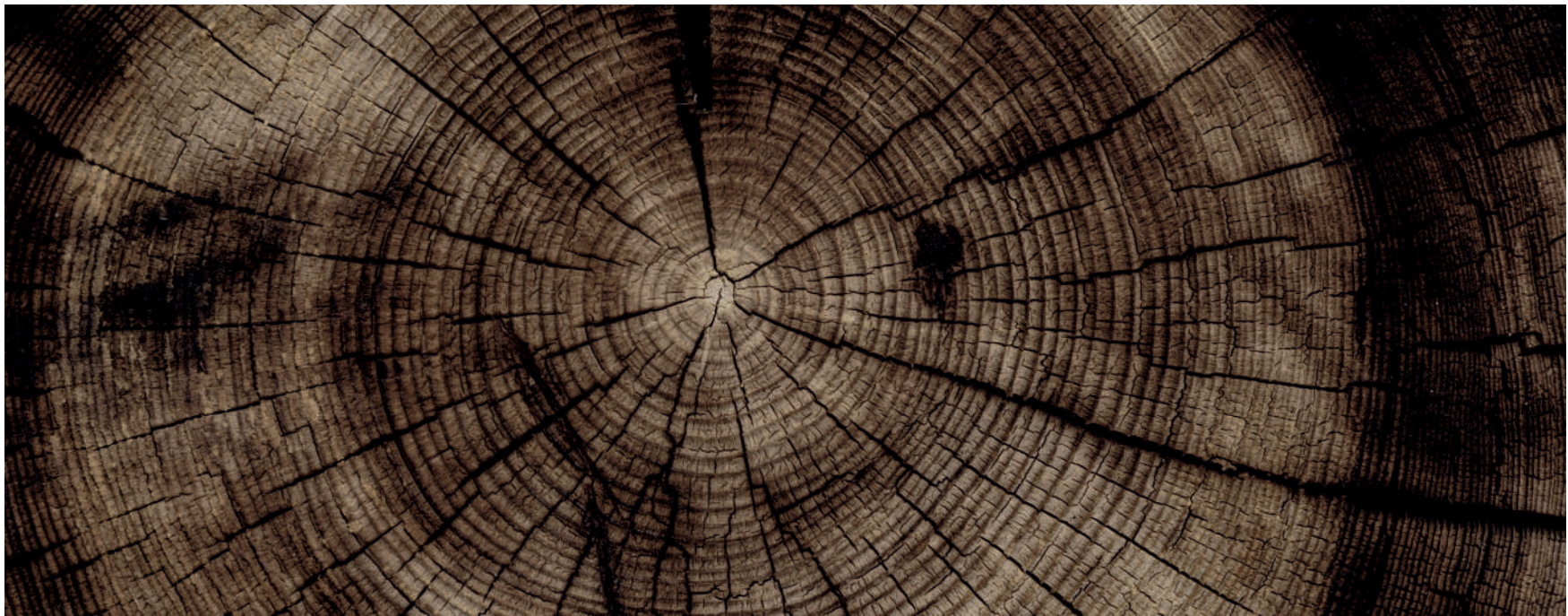


SUPER WHITE

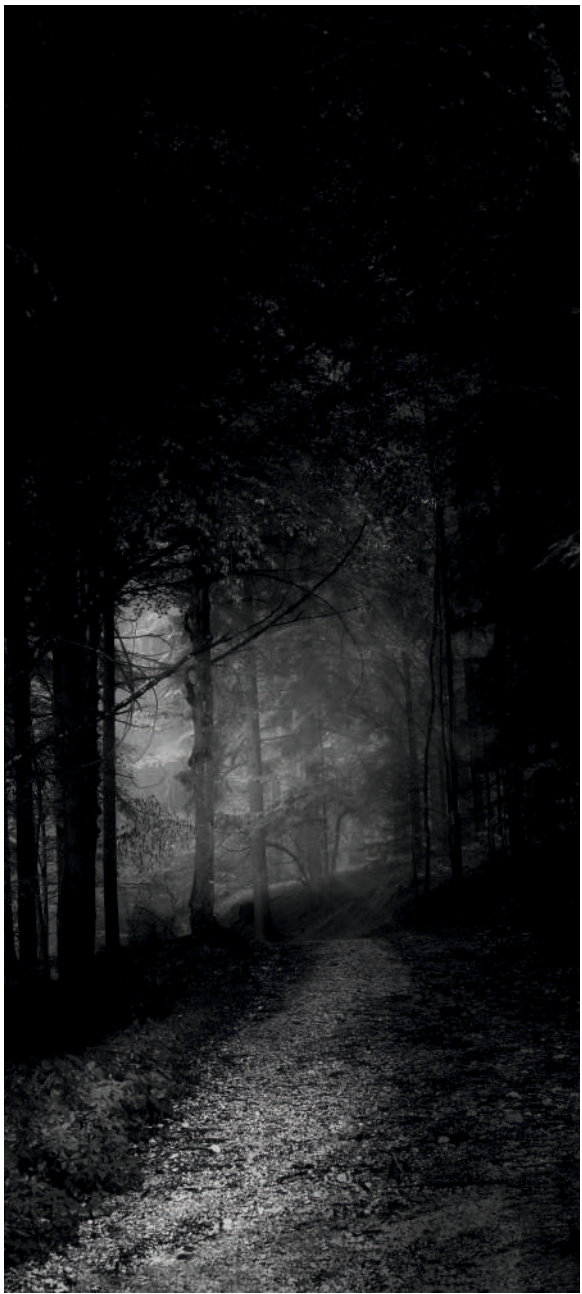
R-1





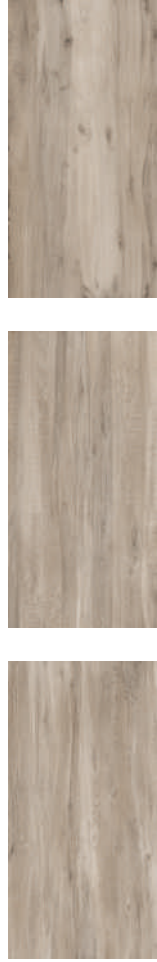


**WOOD  
MATT**



Created to bring  
*elegance*





LEGEND SILVER

R-3



MAHOGANYWOOD BEIGE

R-4



MAHOGANYWOOD NATUTAL

R-4

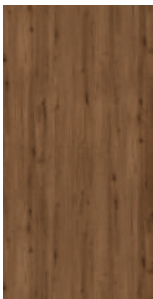


MAPLE HARDWOOD BIANCO

R-4

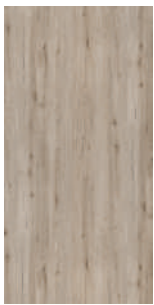
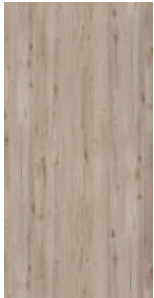






OAK WOOD BROWN

R-3



OAK WOOD GREY

R-3



MAPLE HARDWOOD BROWN

R-4



MAPLE HARDWOOD COPPER

R-4







OAKWOOD STEEL



R-3



PERGO WOOG GREY



R-4



WALNUT BROWN



R-3

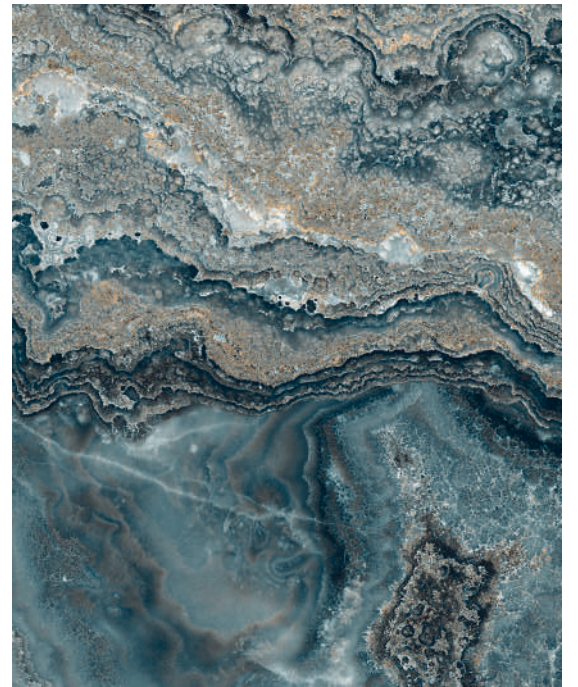
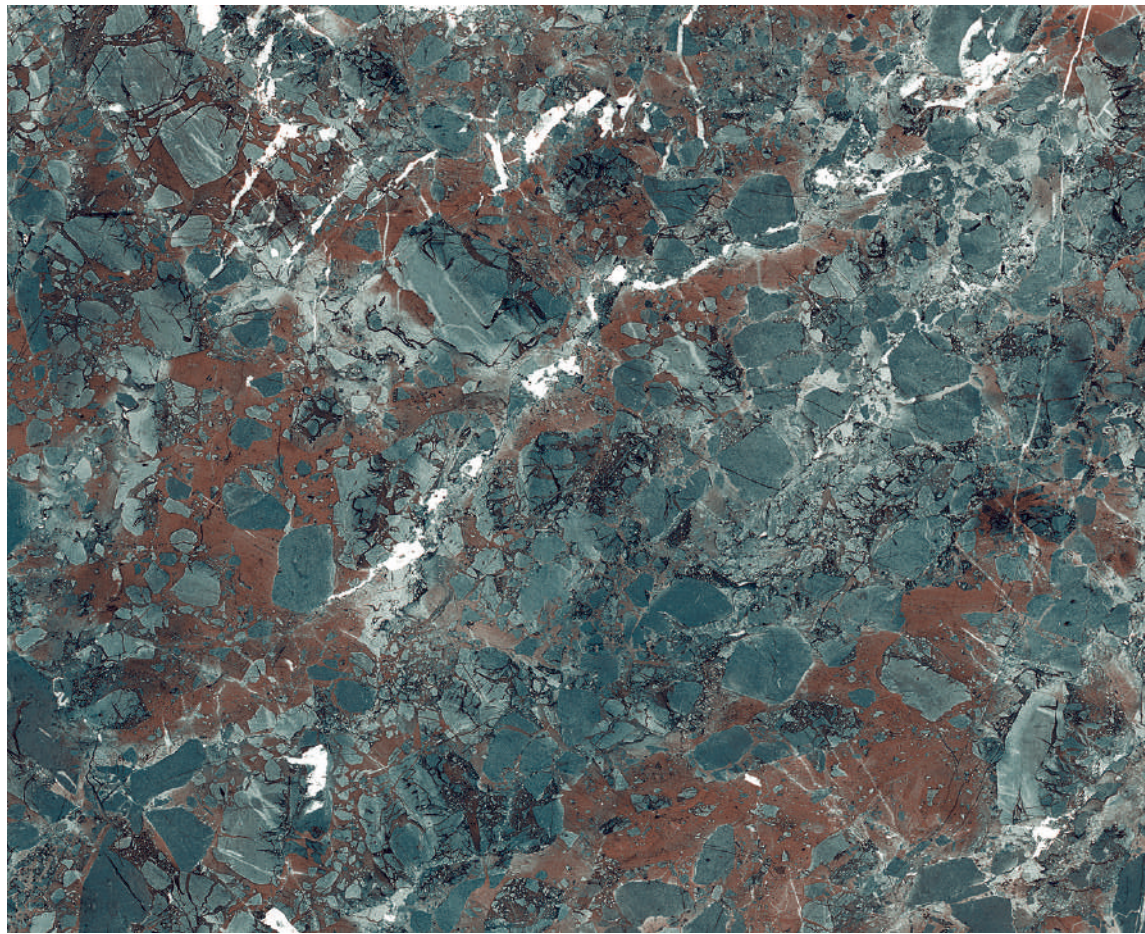


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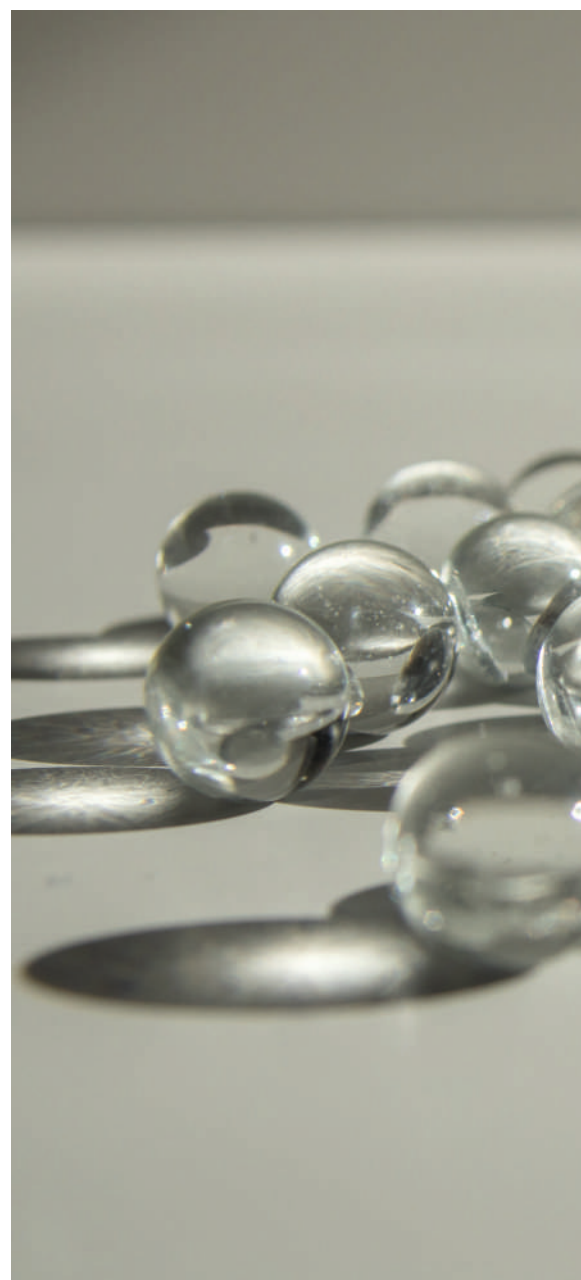


R-3



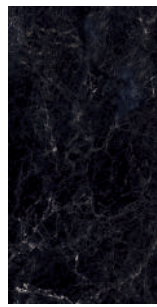
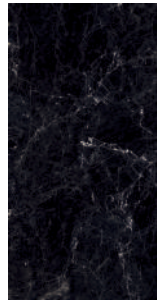
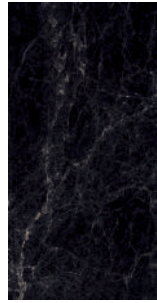
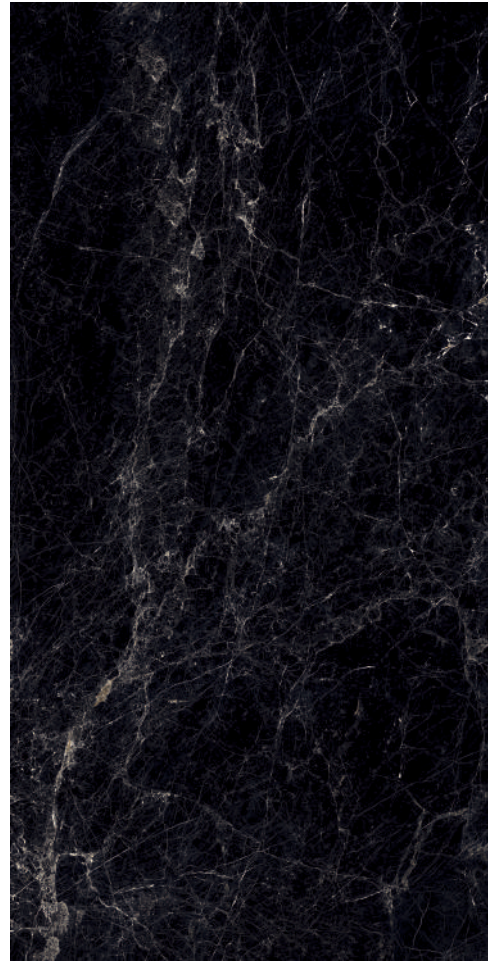


**HIGH  
GLOSS**



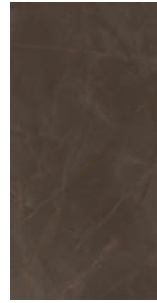
**Sophistication beyond  
*measure***





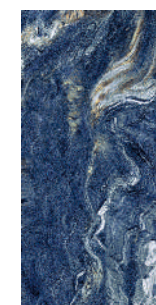
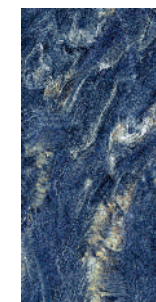
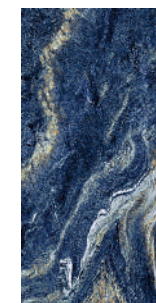
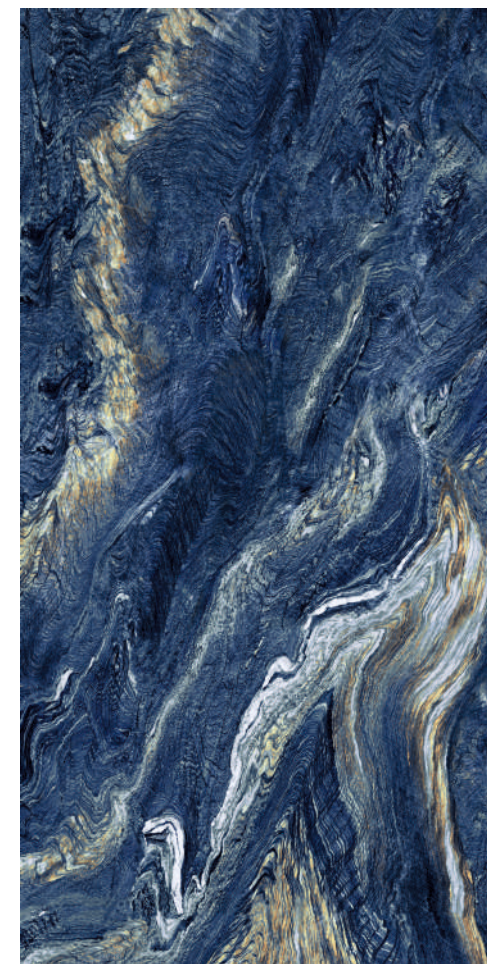
ARGOS NERO

R-3



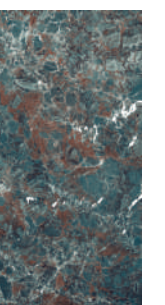
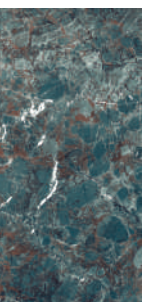
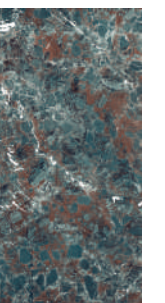
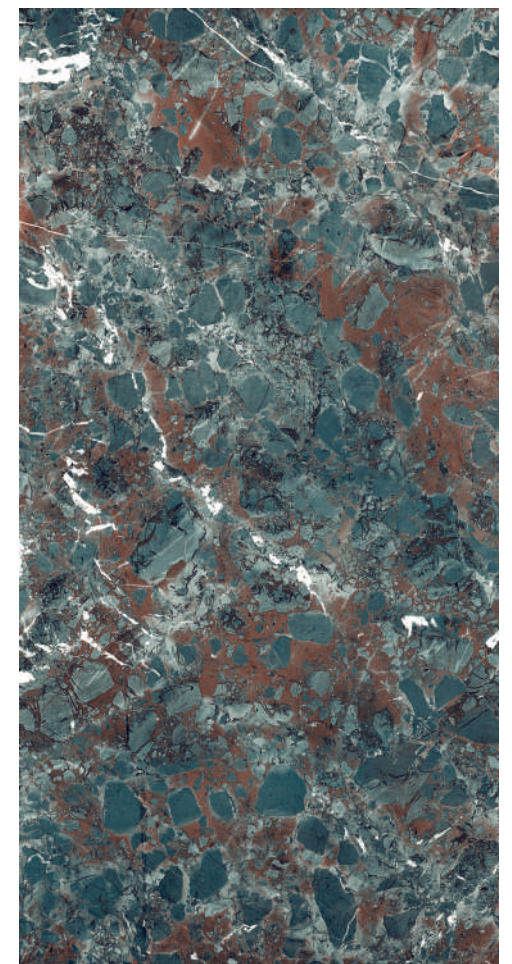
ARMANI BRONZE

R-4



ASHIDA BLUE

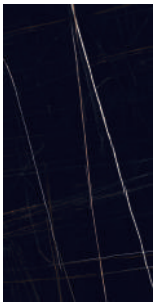
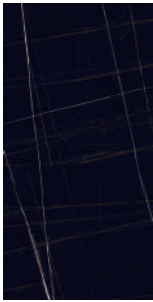
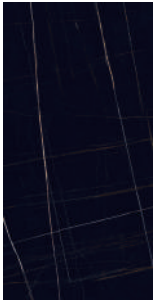
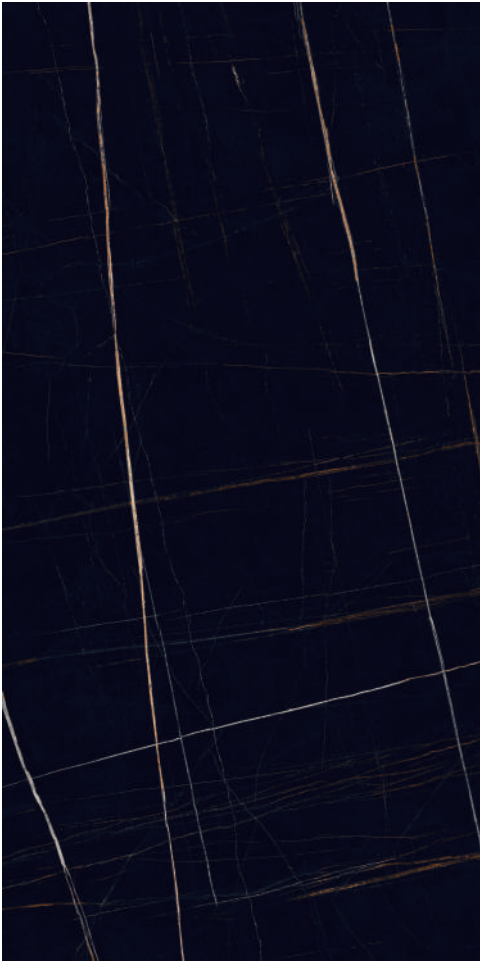
R-3



AUTUMN AQUA

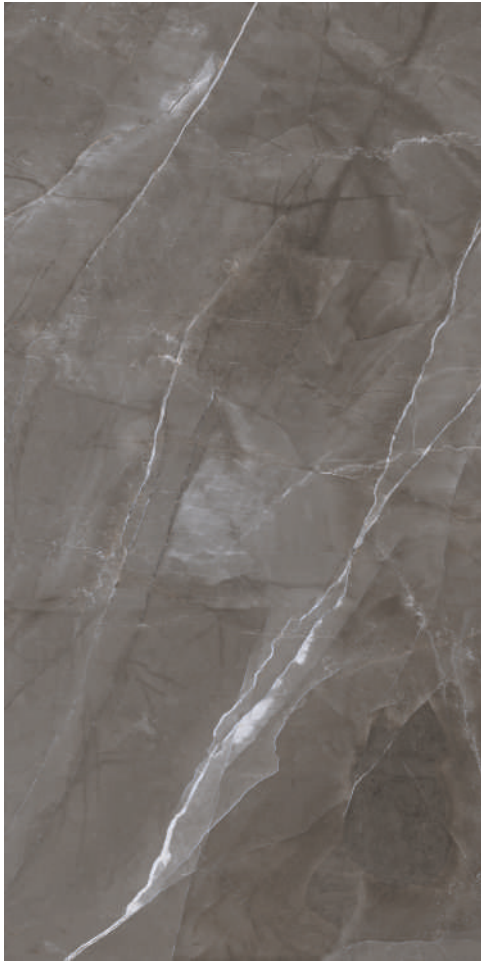
R-4





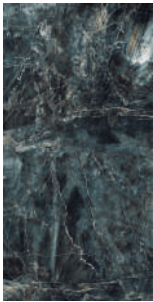
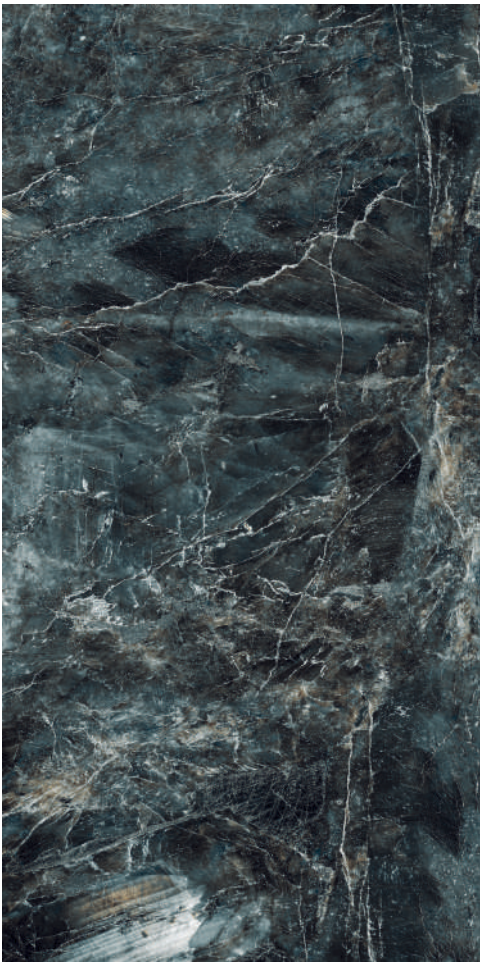
BLACK LAURANT

R-3



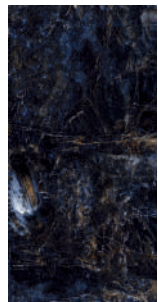
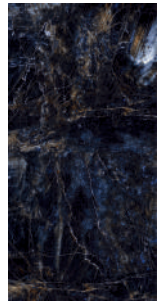
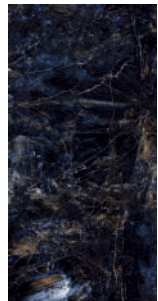
COSMIC CEDAR

R-5



DESIRE AQUA

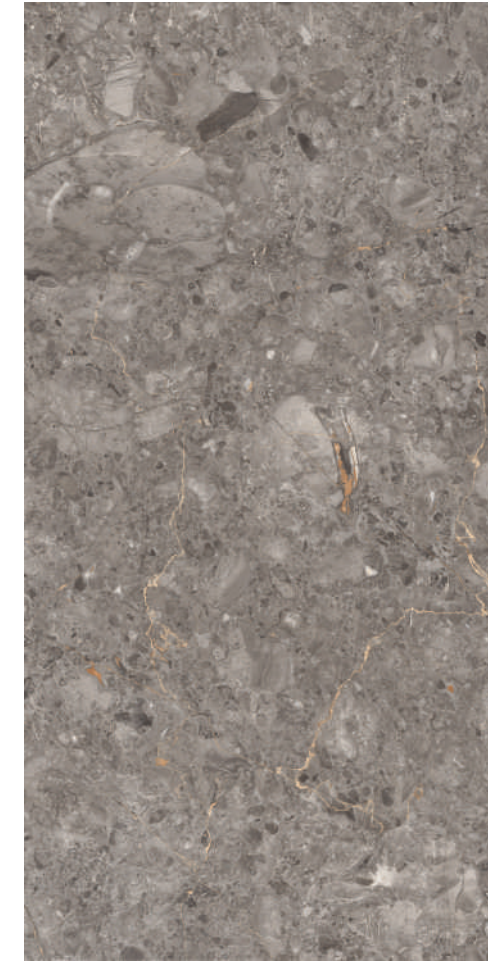
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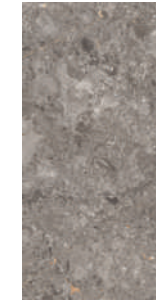
DESIRE BLUE

R-3

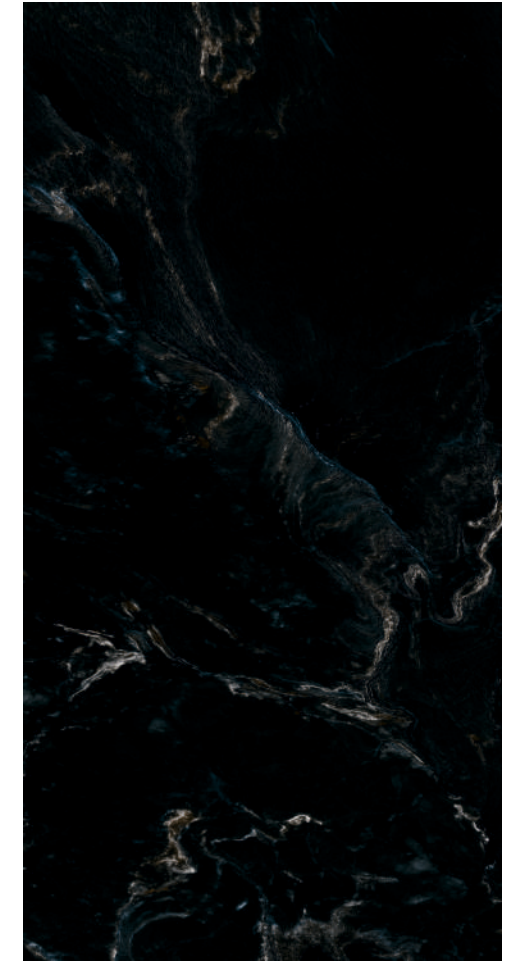




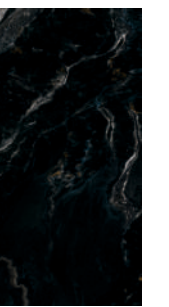
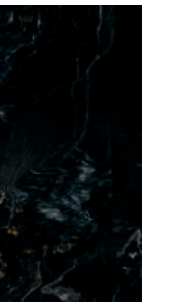
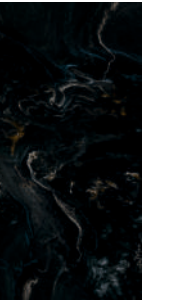
GRIGIO WILLIAMS



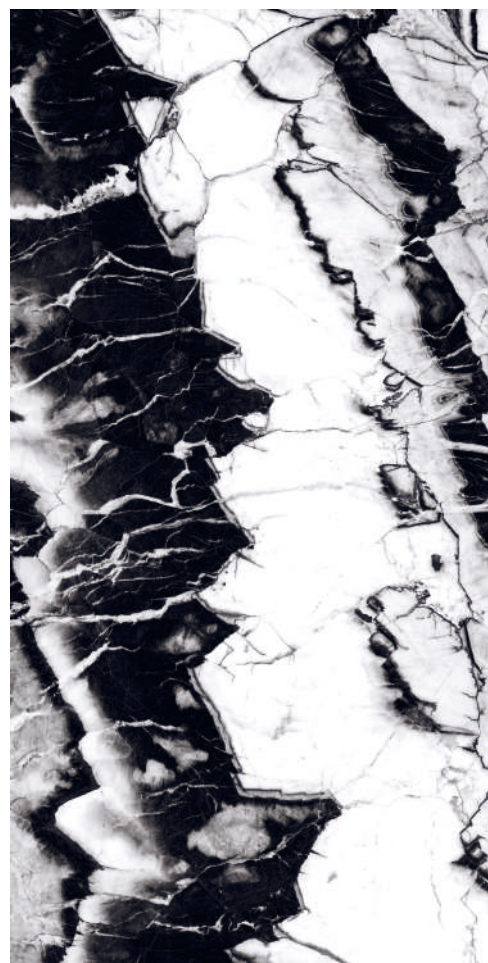
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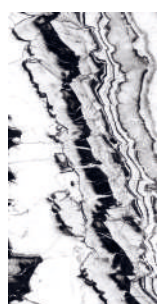
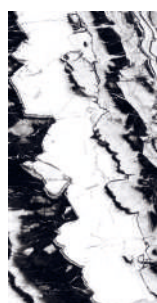
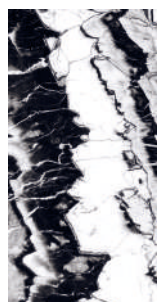
ICARO BLUE



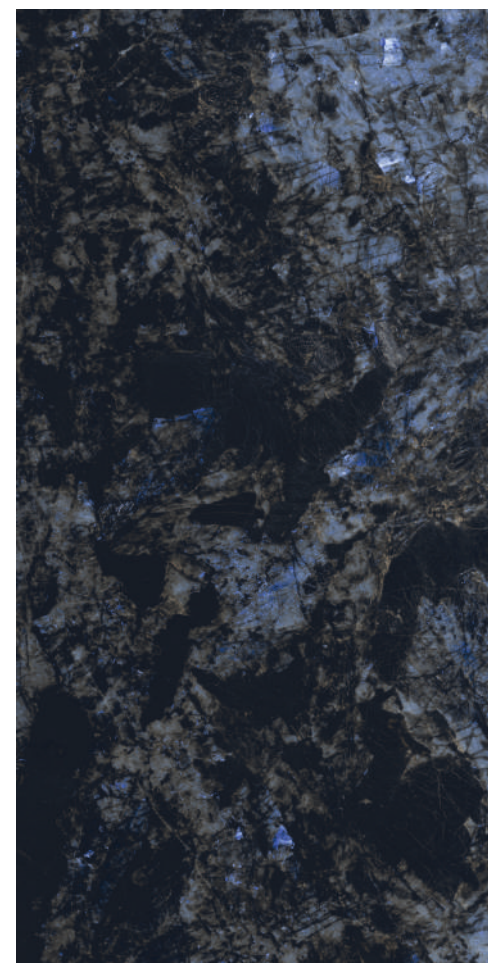
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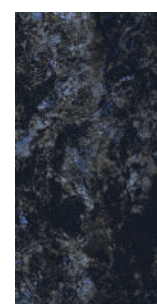
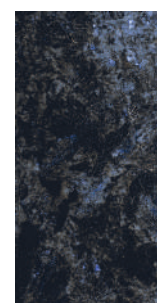
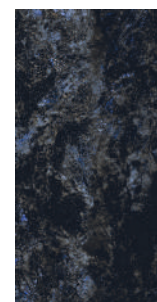
ELLEN NERO



R-3



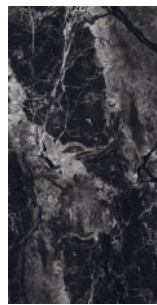
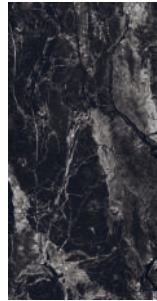
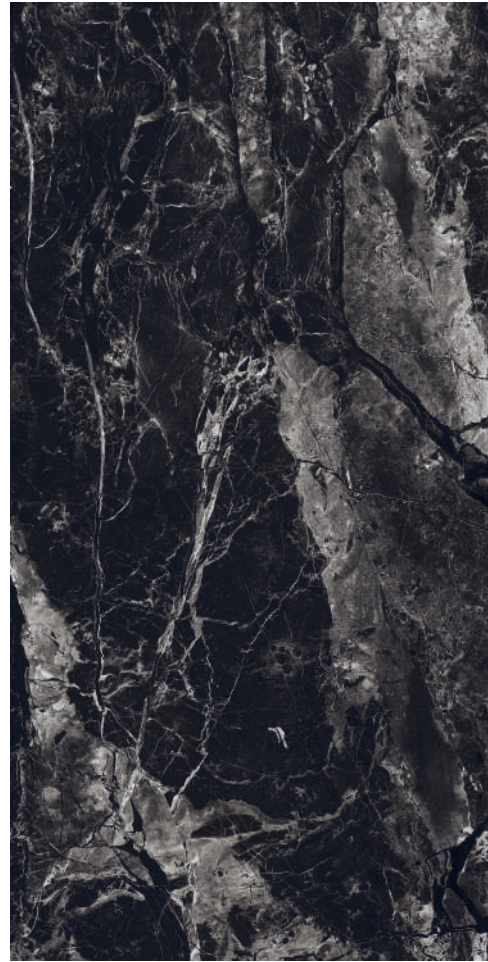
GALACTIC BLUE



R-2

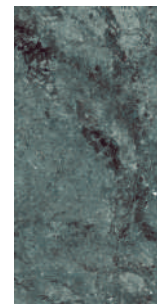
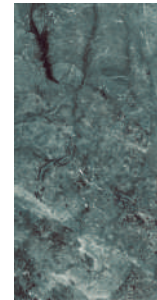
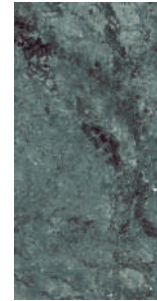
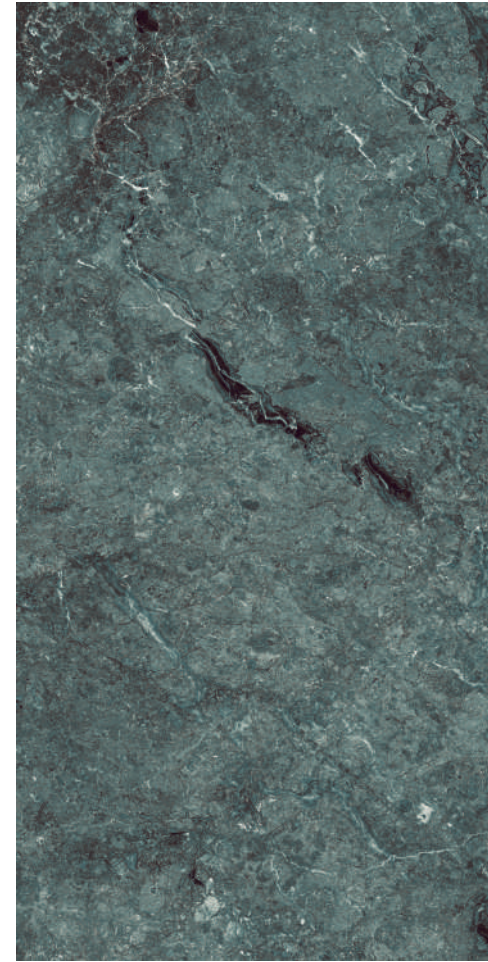






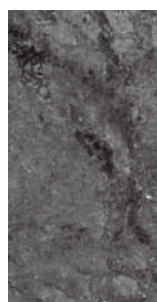
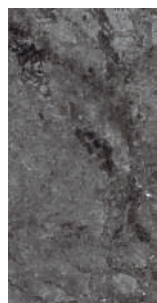
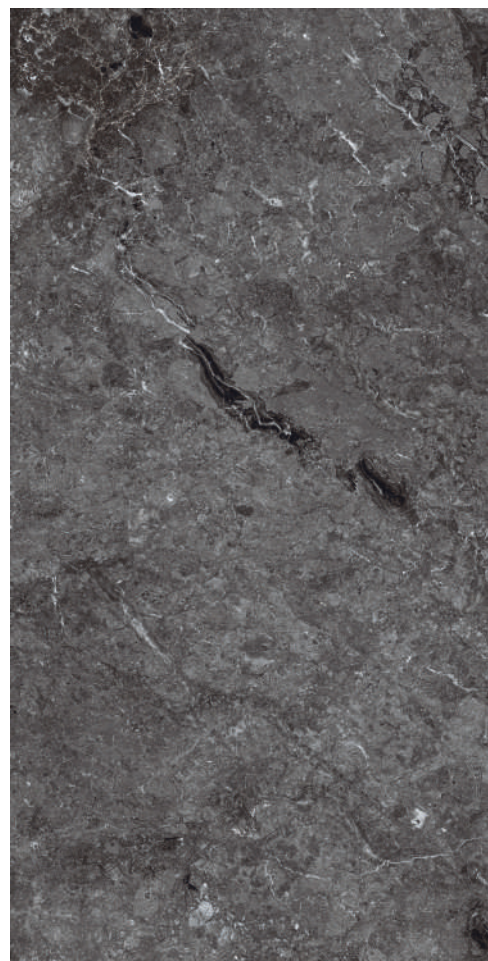
KAENICO NERO

R-3



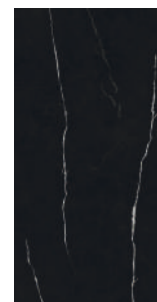
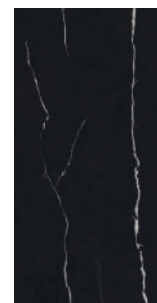
KESARIA AQUA

R-4



KESARIA BLACK

R-4

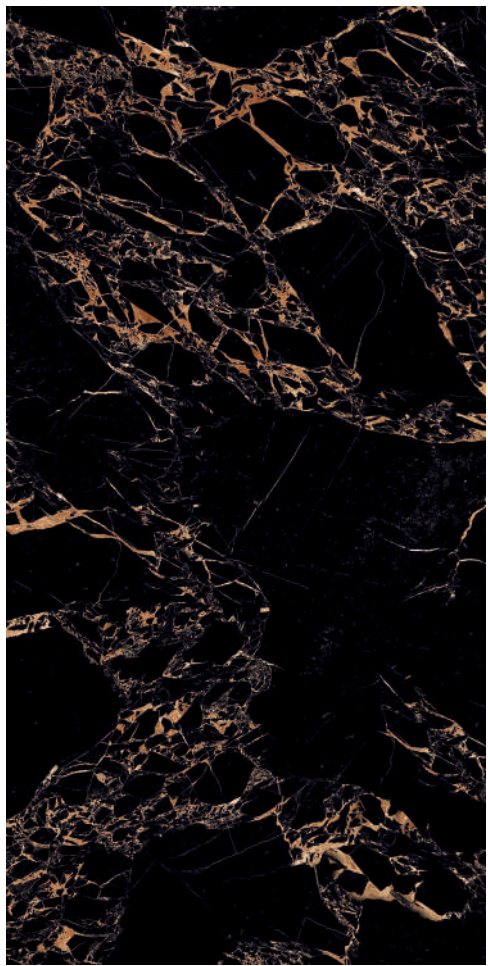


MARQUINA BLACK

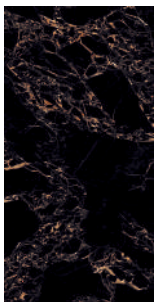
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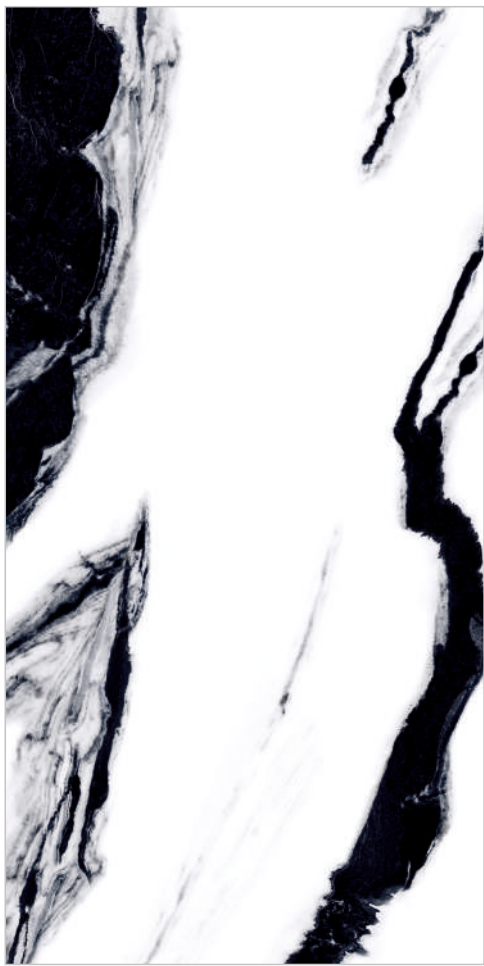
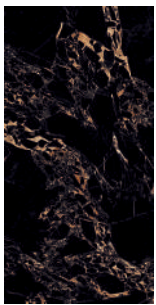
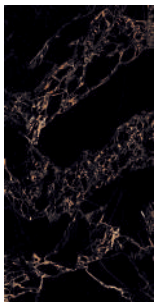




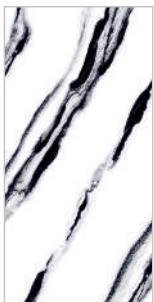
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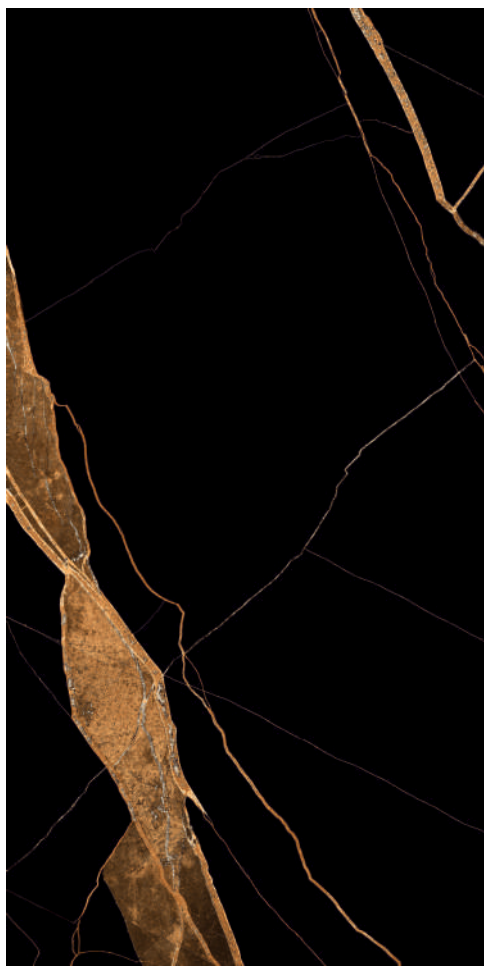
R-3



PHANTOM BLACK



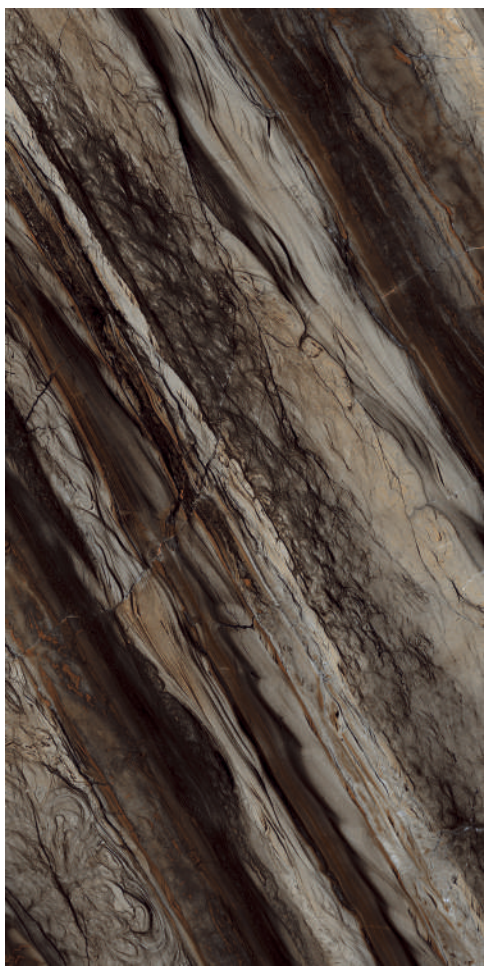
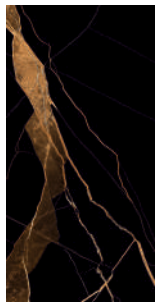
R-4



RUMIX BLACK



R-3



SEQUOIA GOLDEN



R-4





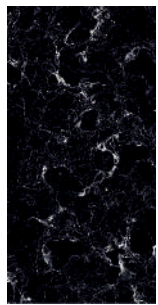
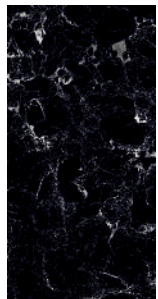
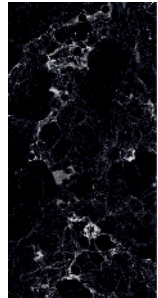
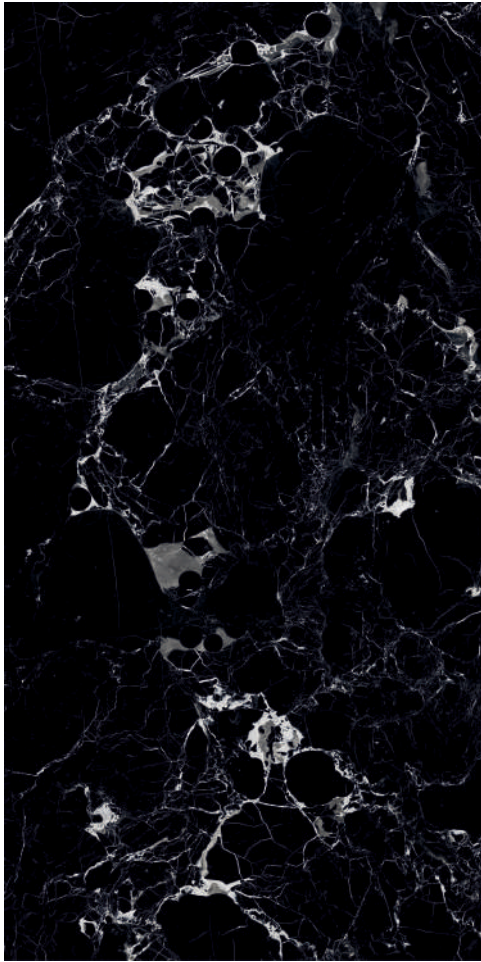
HIGH GLOSS  
FINISH

800x  
1600M



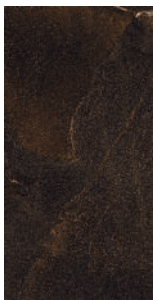
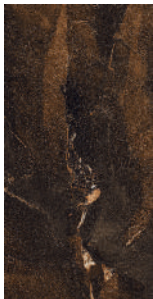
SKY BLACK

R-4



UNIQUE BLACK

R-3



VICTORIA REGIA BROWN

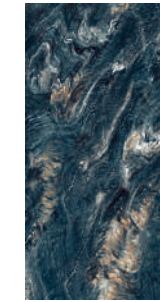
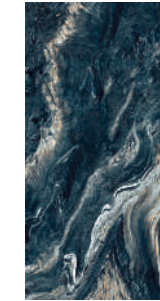
R-4



WHITE PANDA

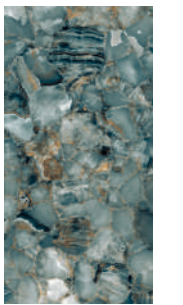
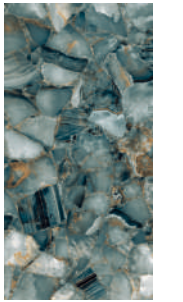
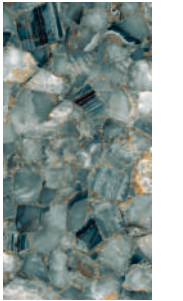
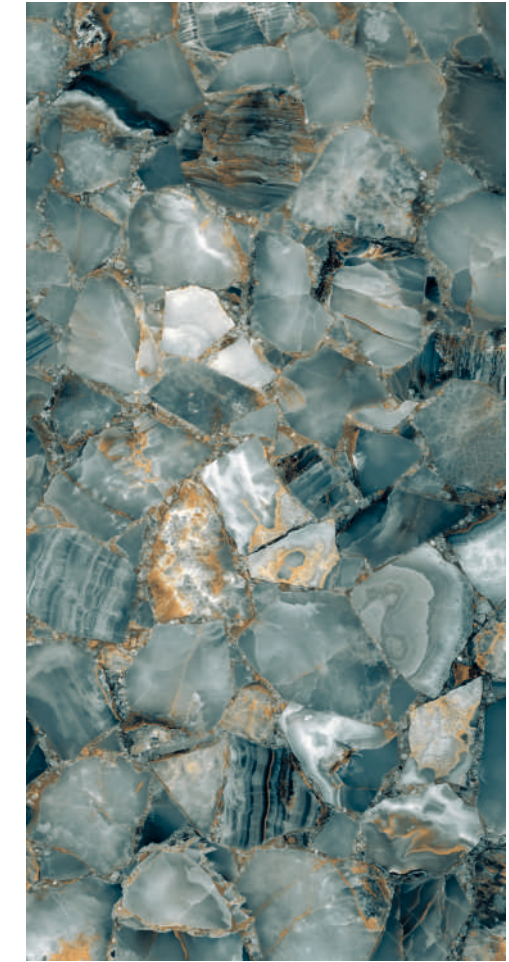
R-4





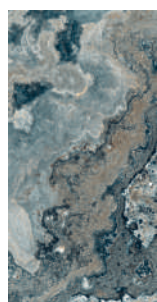
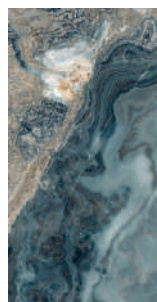
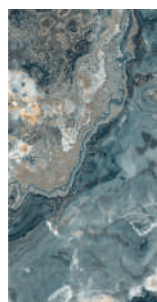
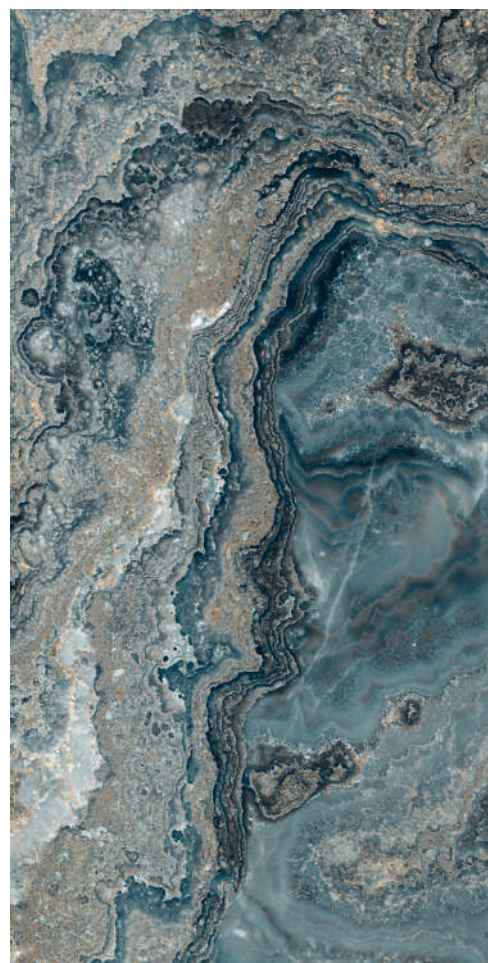
ASHIDA AZUL

R-3



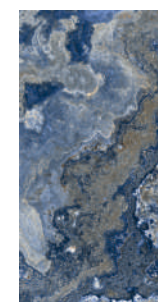
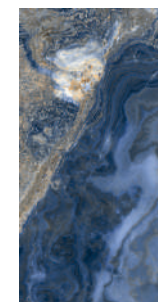
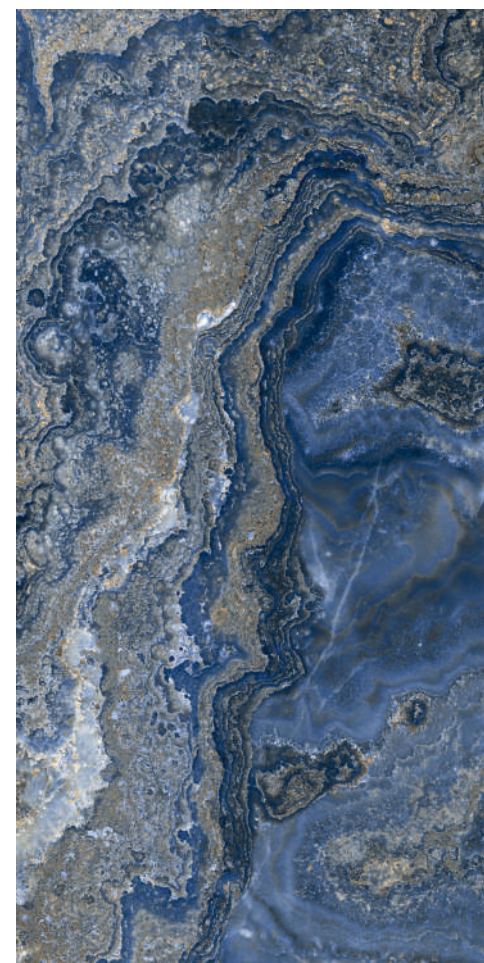
LAGOON AQUA

R-4



ANTONIO AQUA

R-4



ANTONIO BLUE

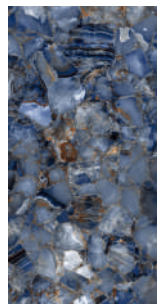
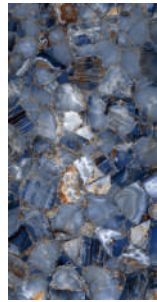
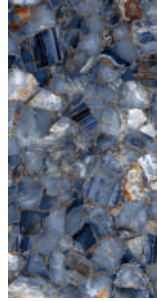
R-4



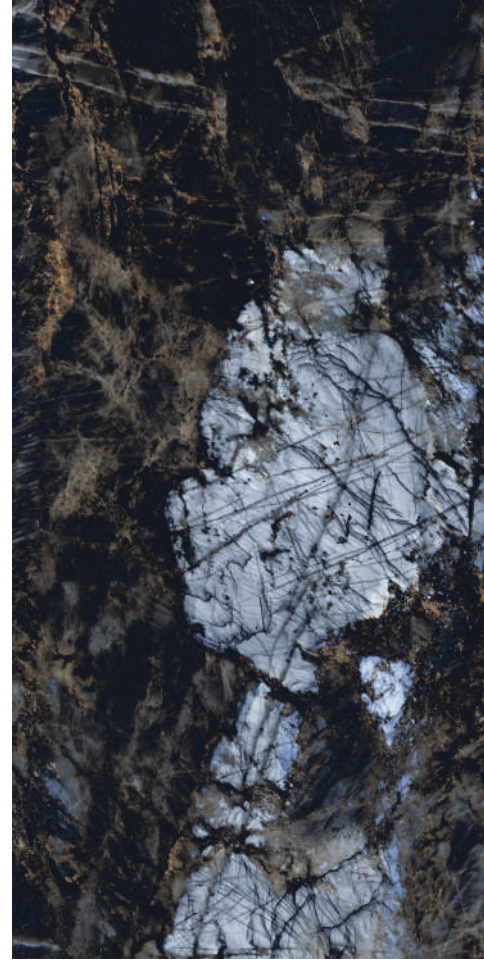




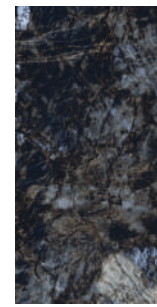
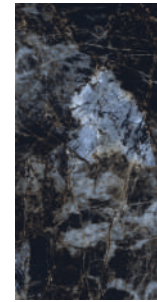
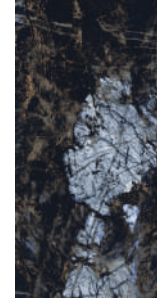
LAGOON BLUE



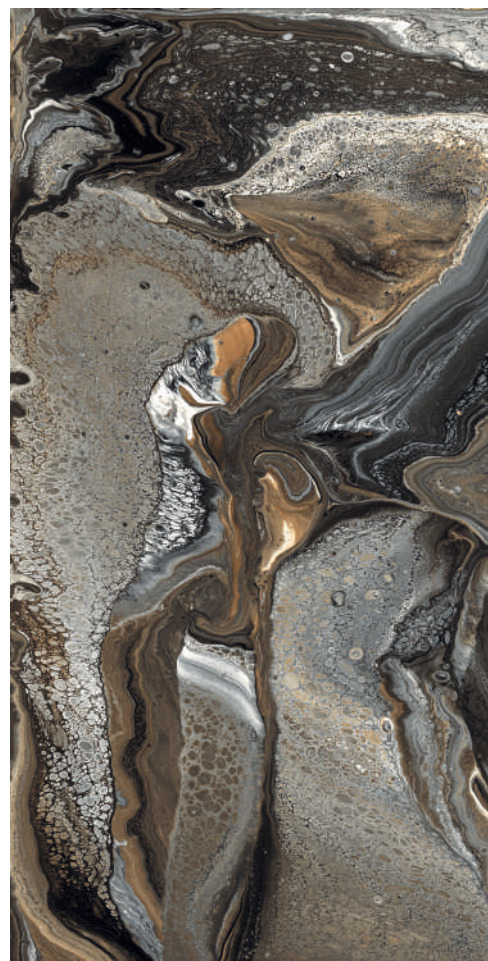
R-4



LUMERINA BLUE



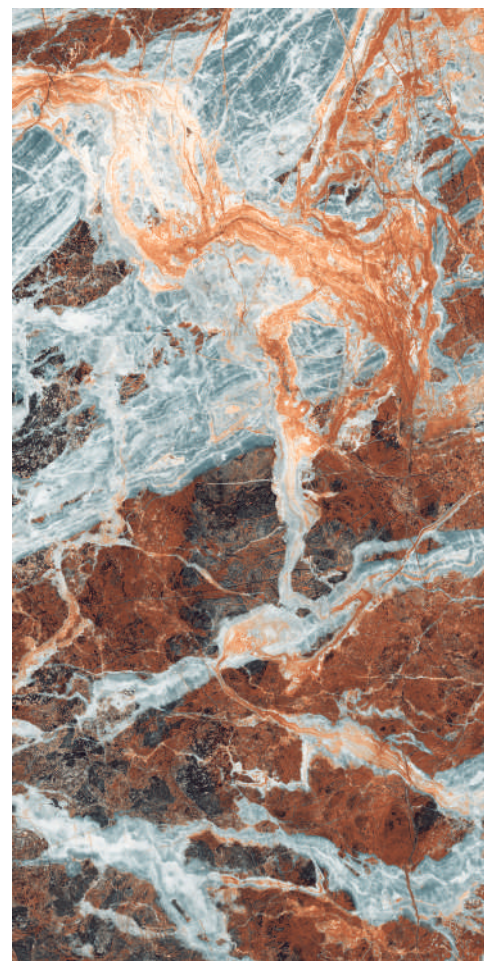
R-3



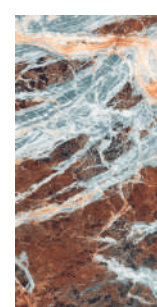
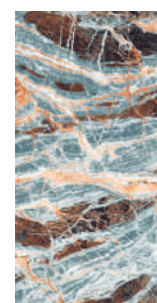
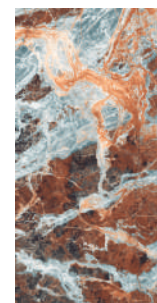
NEXISIDE BROWN



R-4



NOWSHERA AQUA



R-3

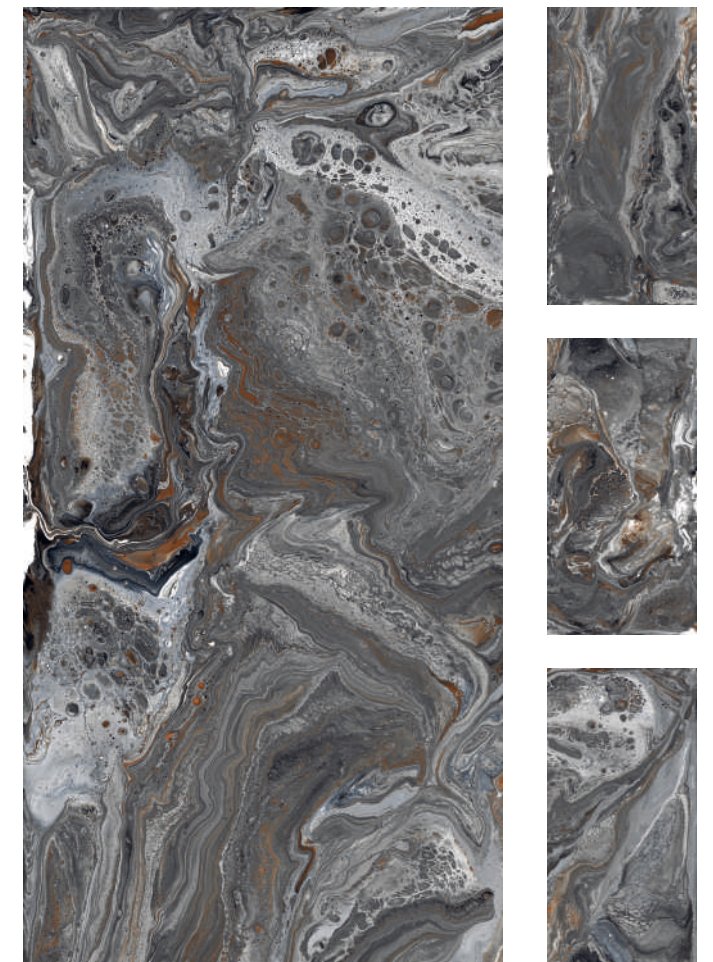






HIGH GLOSS  
FINISH

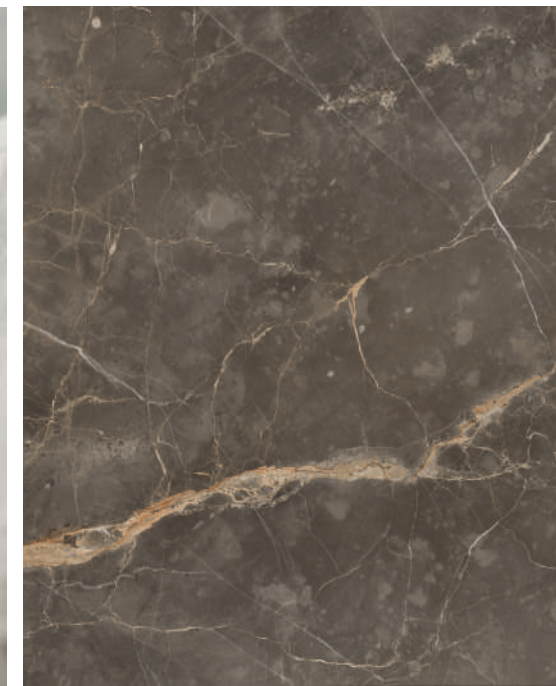
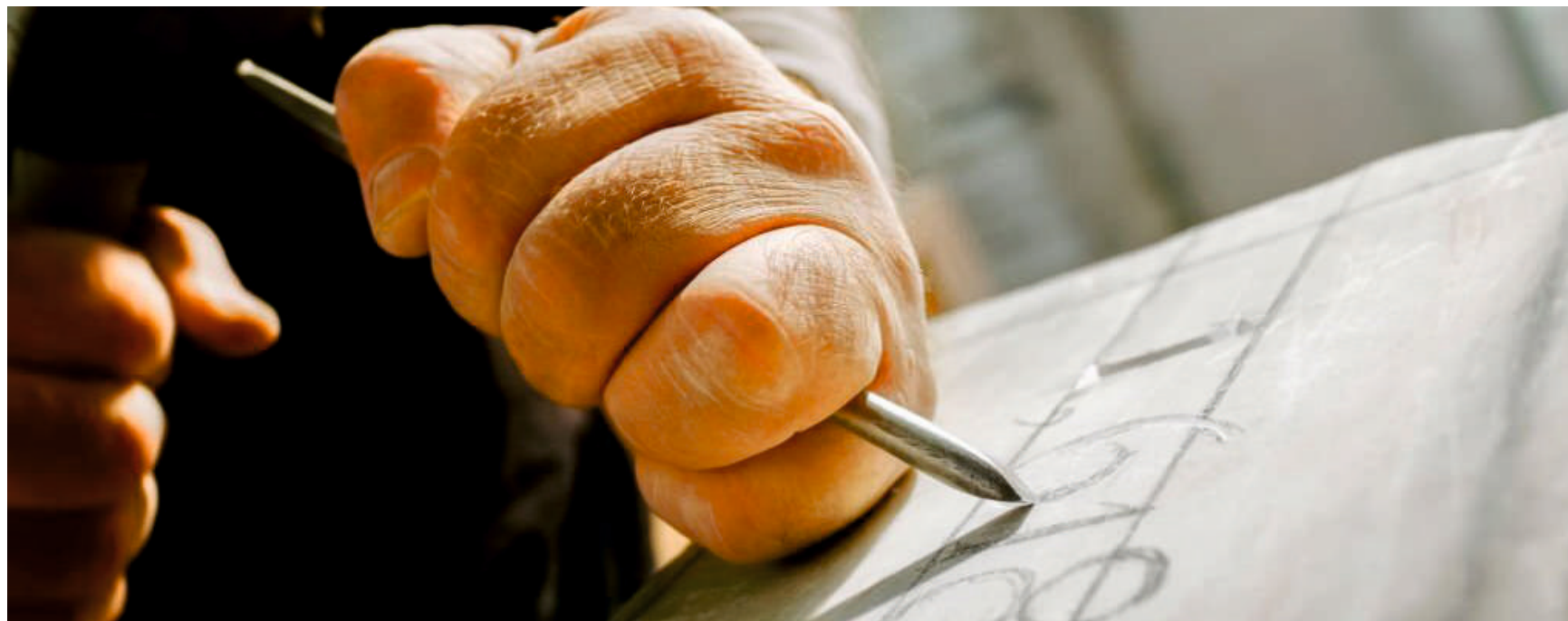
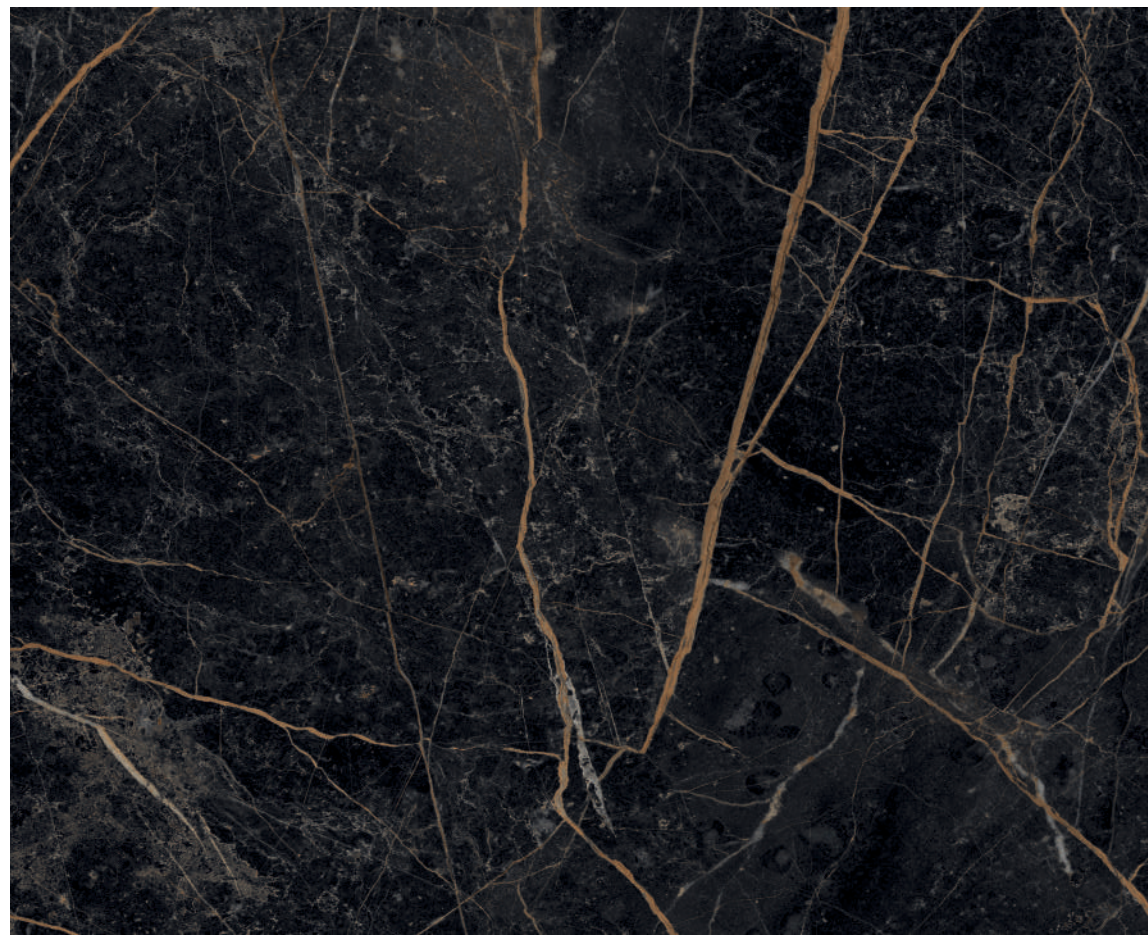
800x  
1600M



OROBICO GREY

R-4





**CARVING  
FINISH**



**Feel the crave for**  
*carving*





ANTICA GREY

R-4



BOTTOCHINO PEARL

R-4



CALIFORNIA GREY

R-4



CASPIAN ASH

R-3

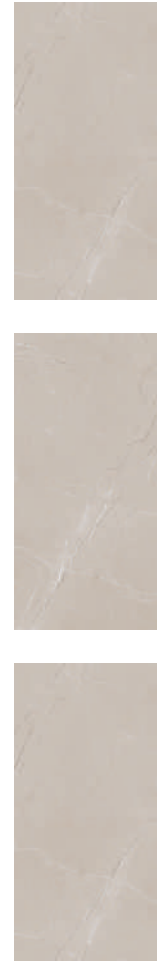






CERRAD GREY

R-2



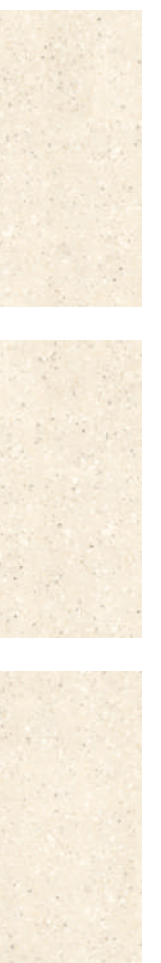
CERRAD SILVER

R-2



ELITE STATUARIO

R-5



GRANDDUST CREMA

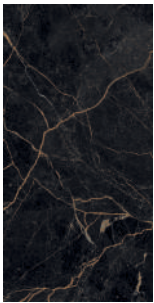
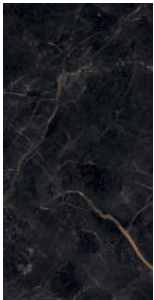
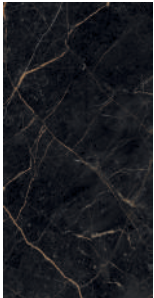
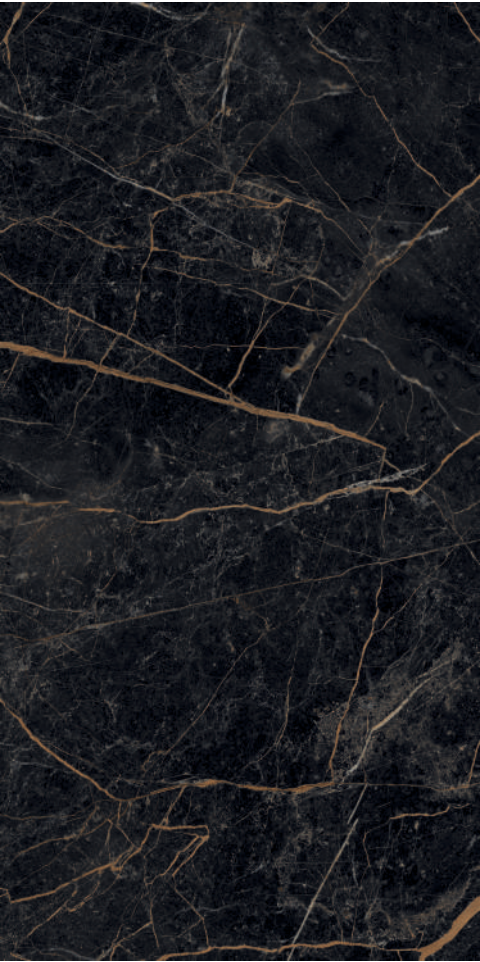
R-4





GRANDDUST GREY

R-4



LAURENT ULTRA BLACK

R-4



MELODY GREY

R-5



ROSALIA BEIGE

R-2





SILVER TRAVERTINE

R-3







**DECOR**







ARTISTIC DESINO



R-4



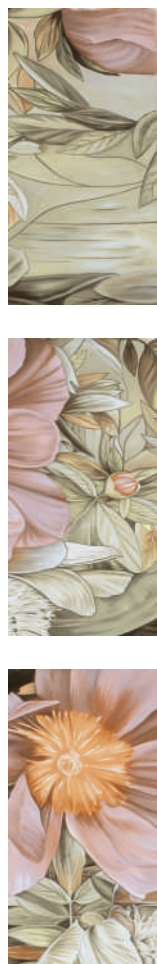
FLORAL ROSE PINK



R-4



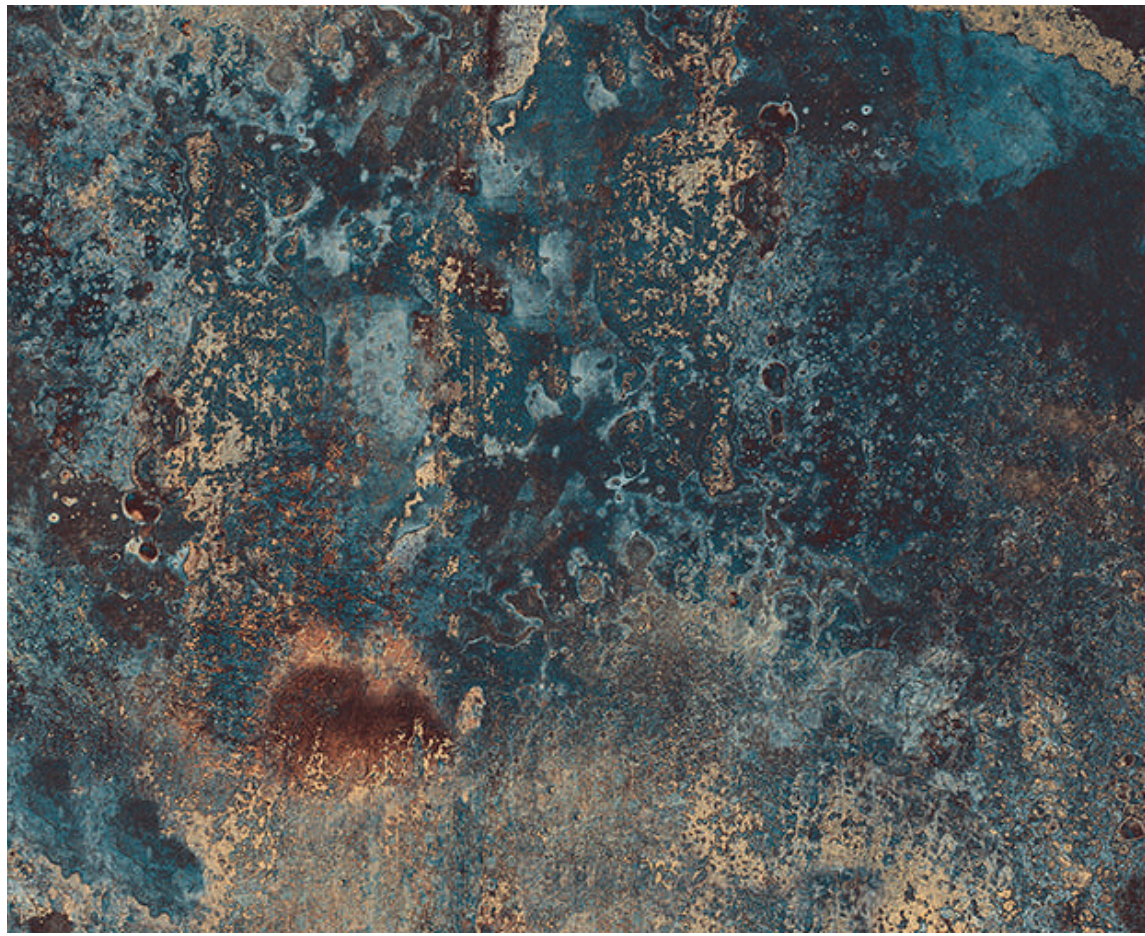
MAGNOLIAS CANVAS



R-4







**METALIC  
FINISH**



Attractive shades of  
*simplicity*





OXIDO BROWN

R-3



TERRACOTA STEEL

R-3



NICKEL AQUA

R-4



NICKEL GREY

R-3

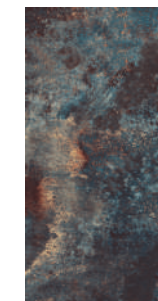
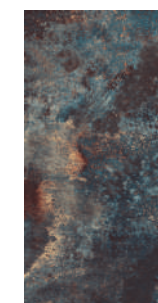






METALIC  
FINISH

800x  
1600M



VOLCANO BLUE

R-2



# TECHNICAL SPECIFICATION

SR.NO	PHYSICAL PROPERTIE	TEST METHOD	TEST REQUIREMENT	PORCELAIN SLAB PERFORMANCE	REMARKS
(1) DIMENSION AND SURFACE QUALITY					
1.1	DEVIATION IN LENGTH (L) & WIDTH (W)	ISO10545-2	± 1MM	Avg + 0.20mm Avg -0.00mm	COMPLIES
	(a) The Deviation in percentage of the average size of each tile (2 or 4 sides) from the work size (w)  (b) The deviation in percentage of the average siz of each tile (2 or 4 sides) from the average size of the 10 test specimen (20 or 40 side)			Avg + 0.14mm Avg -0.00mm	
1.2	THICKNESS				
	The deviation in percent of the average thickness of each tile from the worksize thickness	ISO10545-2	± 1MM	Avg + 0.00mm Avg -0.15mm	COMPLIES
1.3	STRAIGHTNESS OF SIDES	ISO10545-2	± 0.8MM	Max + 0.14mm Max - 0.16mm	COMPLIES
	The maximum deveiation from rectangularity in percent related to corresponding work size				
1.4	RECTANGULARITY	ISO10545-2	± 0.8MM	Max + 0.16mm Max - 0.17mm	COMPLIES
	The maximum deveiation from rectangularity in percent related to corresponding work size				
1.5	SURFACE FLATNESS	ISO10545-2	± 1.8 mm	Max + 0.12 mm Max - 0.00 mm	COMPLIES
	(a) Centre Curvature Centre curvature related to diagonal calculatedfrom the work size.		± 2 mm	Max + 0.14 mm Max - 0.00 mm	
	(b) Edge Curvature Edge Curvature related to the corresponding work size				
	(c) Warpage Warpage related to diagonal calculated from the work size.		± 1.8 mm	Max + 0.12 mm Max - 0.00 mm	
1.6	SURFACE QUALITY	ISO10545-2	95%	99%	COMPLIES
	Tested by the visually Minimum 95 percent of tile shall be free from visible defect that would impair the appearance of the major area of tiles. No any defect found in the tiles surface area and lot pass the test				
(2) PHYSICAL PROPERTIES					
2.1	Water Absorption (%)	ISO10545-3	Require as per saso ISO 13006 < e 0.50%  Individual maximum 0.60%	Avg. 0.11%	COMPLIES
	(a) 0.109 % (b) 0.111% (c) 0.118% (d) 0.105% (e) 0.108%				
2.2	Modulus of rupturee (MOR)	ISO10545-4	Minimum 35  Individual maximum 32	Avg. 39.27 N/mm²	COMPLIES
	(a) 38.29 N/mm² (b) 39.43 N/mm² (c) 39.23 N/mm² (d) 37.57 N/mm² (e) 37.32 N/mm² (f) 42.46 N/mm² (g) 40.51 N/mm² (h) 39.37 N/mm²				
2.3	Breaking Strength in (N)	ISO10545-4	Require Thickness ≥ 7.5 mm  Not less than 1300	Avg. 1805.57 N	COMPLIES
	(a) 1716.48 N (b) 1795.95 N (c) 1788.15 N (d) 1692.60 N (e) 1787.15 N (f) 1959.75 N (g) 1887.60 N (h) 1816.91 N				
2.4	Crazing Resistance	ISO10545-11	No crazing in two cycle one hour duration at a steam pressure of 750±20Kpa 6 Nos of tiles were subjected to autoclaving at a steam pressure of 750±20Kpa of saturated steam for two hour consisting of two cycle. None of the tiles show any sign of the crazing on the glaze surface and the lot pass the test	PASSED THE TEST	CONFIRM
2.5	Thermal shock resistance	ISO10545-9	Require 10 Cycle min	15/145° c 10 cycle	CONFIRM
2.6	Co Efficient of linear thermal expanition	ISO10545-8	Require 9X10 l6 Max	4.74X10 °6	COMPLIES
	Expanition from ambient temperature to 100 C (K-1)				
2.7	Resistance to surface abrasion	ISO10545-7	Visual failure was observed at 6000 revolution when the tiles were subjected to abrasion stage of 150,600,750,1500,2100 upto 6000 revolution, 2100 revolution pass.	2100 revolution pass	Class IV

2.8	Moisture expansion mm/m	ISO10545-10	0.02 mm/m max	No expansion	COMPLIES
2.9	Scratch Hardness of surface (MOH's Scale)	IS 13630-13	5 Moh's scal	5 Moh's	COMPLIES
2.10	BULK DENSITY	ISO10545-3	2.2MIN	2.2764g/cc	COMPLIES
2.11	Impact Resistance	ISO10545-5	0.55 Min	0.57	COMPLIES
(3) CHEMICAL PROPERTIES					
3.1	House hold chemical resistance Ammonium chlorine solution 100 G/L	ISO10545-13	Min Class-GC	Class GA	No visual changes observed after impression for 24 hours pencil lines removed with wet wiping removed
3.2	Swimming Pool Salt Sodium hypochlorite solution, 20 mg/L	ISO10545-13	Min Class-GC	Class GA	No visual changes observed after impression for 24 hours pencil lines removed with wet wiping removed
3.3	Acid & Alkalies	ISO10545-13	Min Class-GC	Class GA	No visual changes observed after impression for 4 hours pencil lines removed with wet wiping removed
3.3 (A)	Low Concentration (L)				
	Low Concentration (L) (a) Hydrochloric acid solution 3% (V/V)				
	(b) Citric acid soln. 100gm/l	ISO10545-13	Min Class-GC	Class GA	No visual changes observed after impression for 24 hours pencil lines removed with wet wiping removed
	© Potassium Hydroxide soln 30 gm/l	ISO10545-13	Min Class-GC	Class GA	No visual changes observed after impression for 4 hours pencil lines removed with wet wiping removed
3.3 (B)	High Concentration (H)	ISO10545-13	Min Class-GC	Class GA	No visual changes observed after impression for 4 hours pencil lines removed with wet wiping removed
	High Concentration (H) (a) Hydrochloric acid solution 18% (V/V)				
	(b) Lactic Acid Soln. 5% (V/V)	ISO10545-13	Min Class-GC	Class GA	No visual changes observed after impression for 4 hours pencil lines removed with wet wiping removed
	© Potassuim Hydroxide Soln. 200gm/l (V/V)	ISO10545-13	Min Class-GC	Class GA	No visual changes observed after impression for 4 hours pencil lines removed with wet wiping removed
3.4	Resistance to satin	Stain put on tiles up to 24 hrs			COMPLIES
	Red Past in light oil (Fe2O3) Loding in alcohol 13g/l Olive oil	Stain removed by hot water	Min Class - 3	Class -5	
		Stain removed by hot weak cleaning agent	Min Class - 3	Class -4	
		Stain removed by hot water	Min Class - 3	Class -5	
3.5	Lead and cadium release in mg/dm²	Digestion time -24 hrs (20±2°) Detected by ED XRF	0.1 mg/dm²	0.00 mg/dm²	COMPLIES
	Lead releases				
	Test Solution Acietic acid solution 4% (V/V) (In 960 ml distilled water				
	Cadmium Release	Digestion time -24 hrs (20±2°) Detected by ED XRF	0.1 mg/dm²	0.00 mg/dm²	COMPLIES
	Test Solution Acietic acid solution 4% (V/V) (In 960 ml distilled water				
3.6	Small colour differences	ISO10545-9	Require 10 Cycle min	Δ E < 0.75	No Difference



# epsilon

T I L E

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Living Innovations

📍 **Corporate office:**  
410, Golden Market,  
Ravapar road, Morbi-363641  
(GUJ.) INDIA.

✉ [info@epsilontile.com](mailto:info@epsilontile.com)  
[export@epsilontile.com](mailto:export@epsilontile.com)

📍 **Factory:**  
Sr. No. 847/1 & 847/1/1,  
At Ghuntu, Lakhadirpur road,  
8-A National Highway,  
Morbi-363642 (GUJ.) INDIA.

☎ **Phone**  
+91 9712712701 / 02

☎ **Customer Care Number**  
+91 2822356097

