

LEAVE
A LASTING
IMPRESSION.
CHOOSE
LARGE
SLABS.

1600x
3200mm | 20mm
Thickness

SAHARA
Surface

Arancio Onxy
Black



Sahara
Surface



02
Random

1600x
3200mm

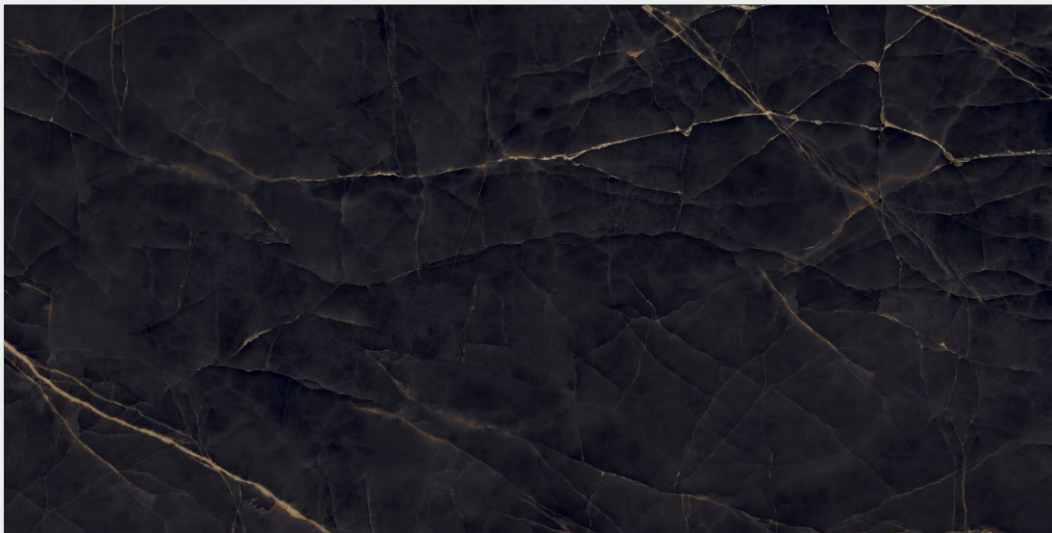
ARANCIO ONXY BLACK

1600x
3200mm

Sahara
Surface

Random
02

20mm
Thickness





ARANCIO ONXY BLACK



Beldia
Bianco



Sahara
Surface



03
Random

1600x
3200mm

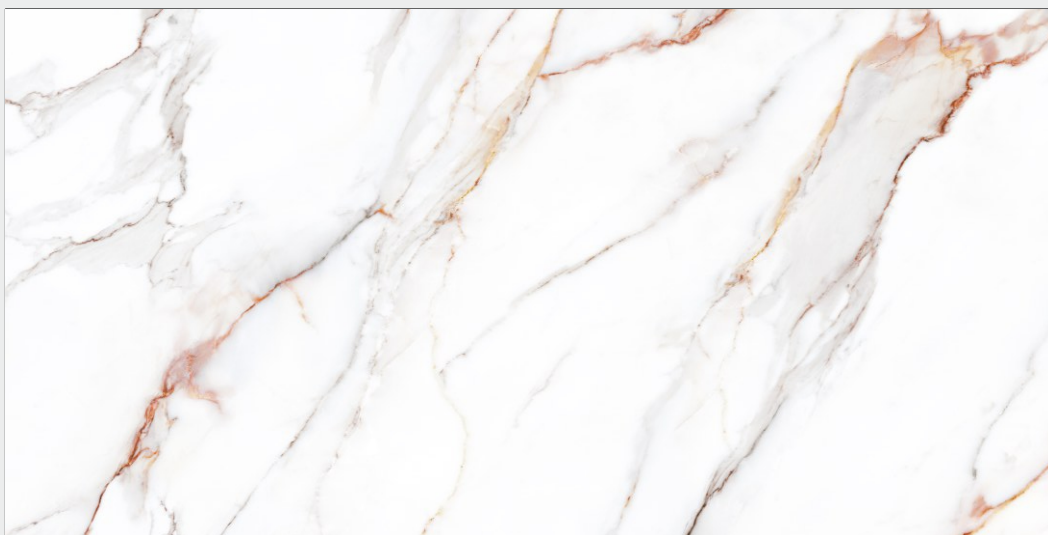
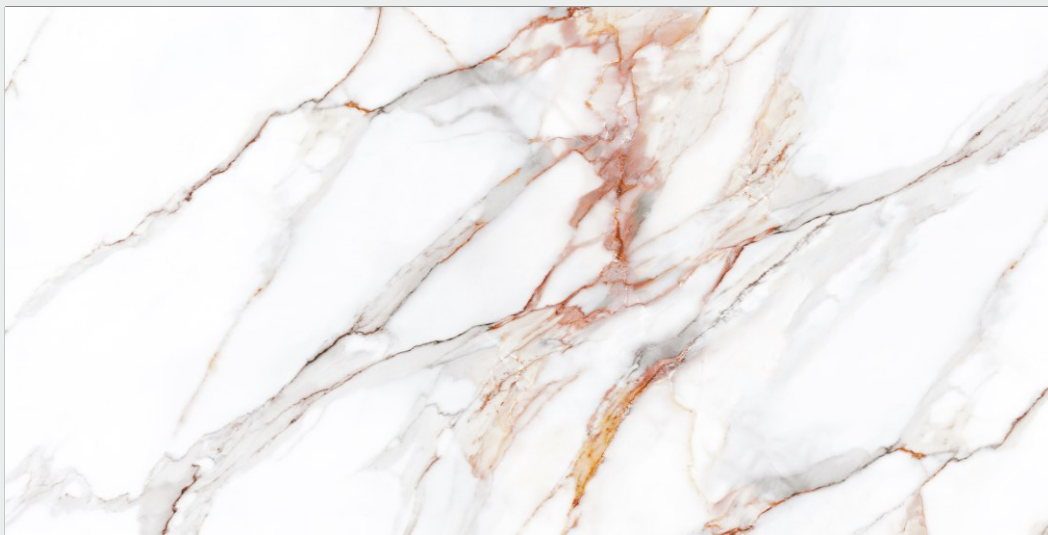
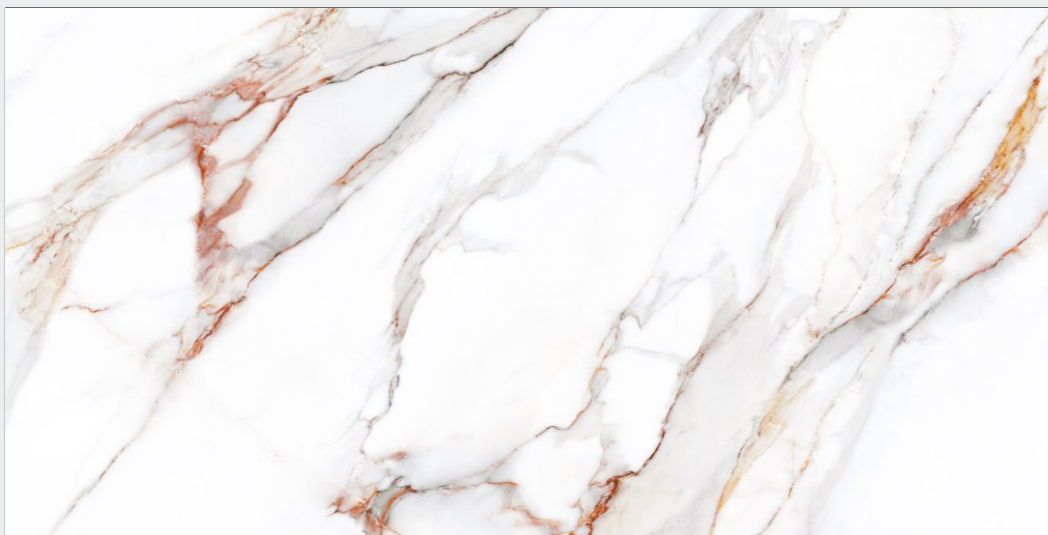
BELDIA BIANCO

1600x
3200mm

Sahara
Surface

Random
03

20mm
Thickness





BELDIA BIANCO



Calacatta

Luna



Sahara

Surface



03

Random

**1600x
3200mm**

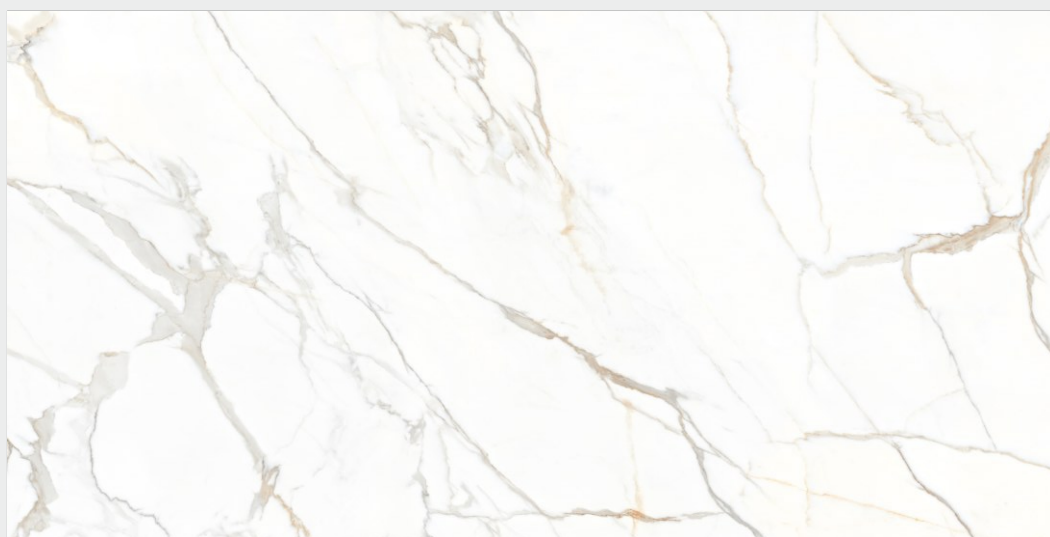
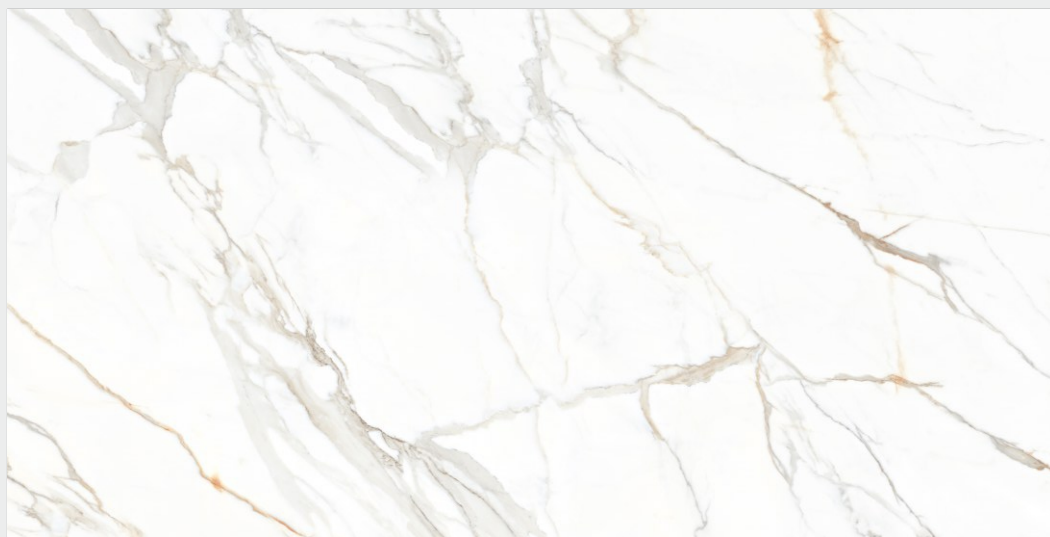
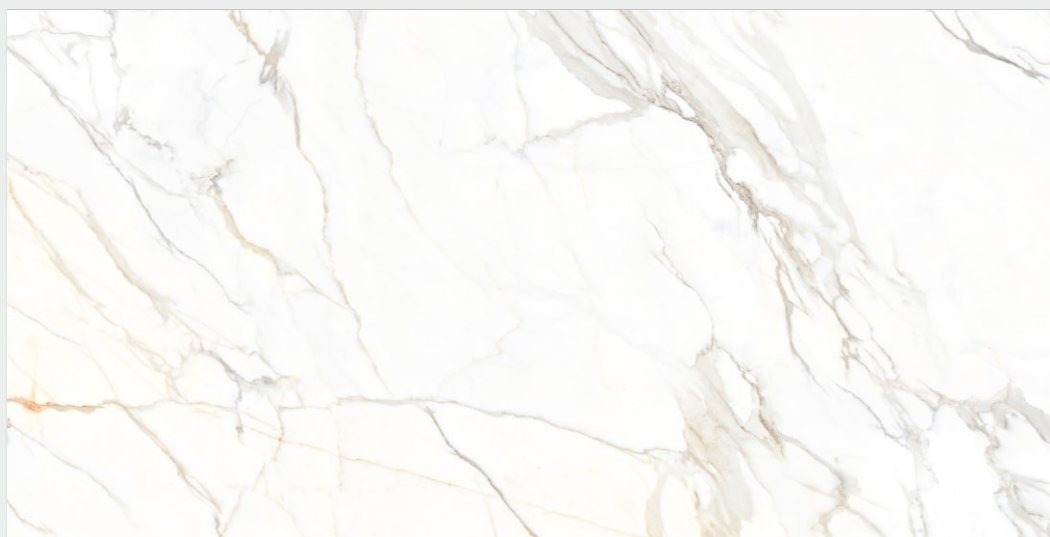
CALACATTA LUNA

1600x
3200mm

Sahara
Surface

Random
03

20mm
Thickness





CALACATTA LUNA



Carpecia
Gold



Sahara
Surface



03
Random

1600x
3200mm

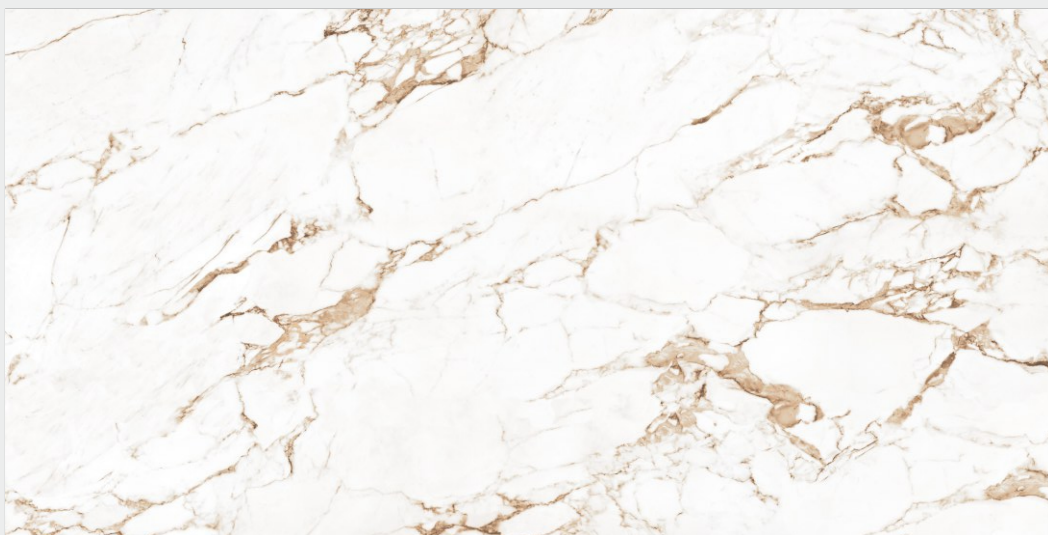
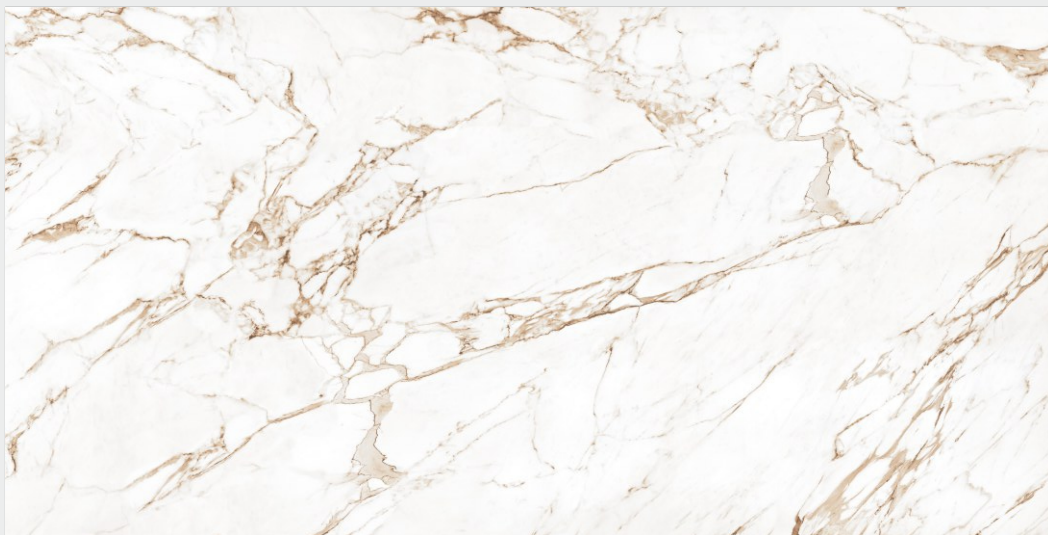
CARPECIA GOLD

1600x
3200mm

Sahara
Surface

Random
03

20mm
Thickness





CARPECIA GOLD





Everstone

Noir
Serpents



Sahara
Surface



03
Random

1600x
3200mm

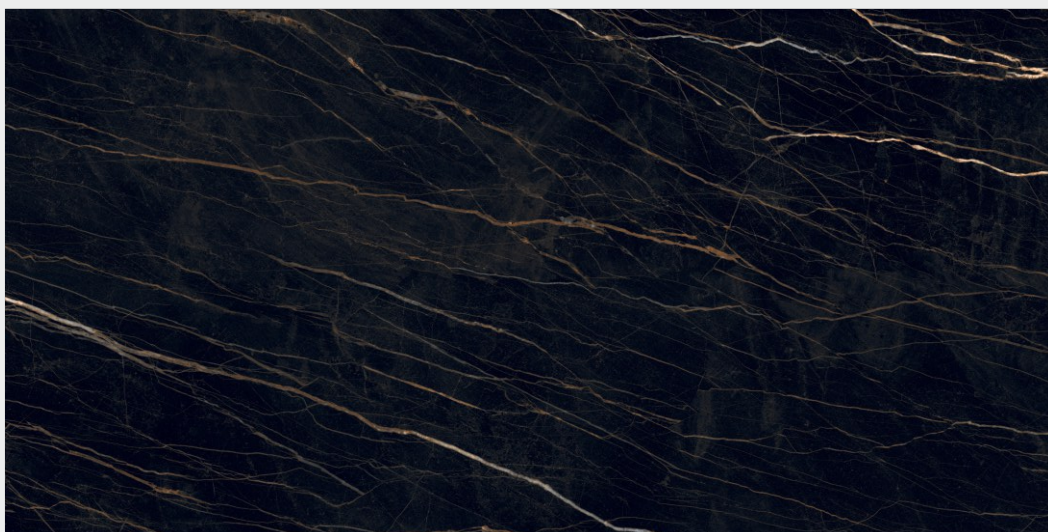
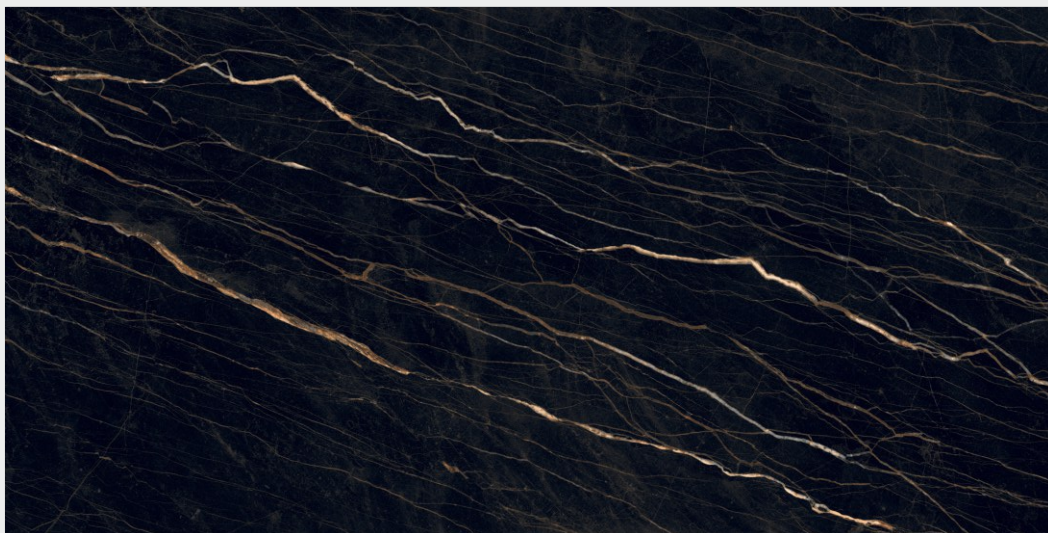
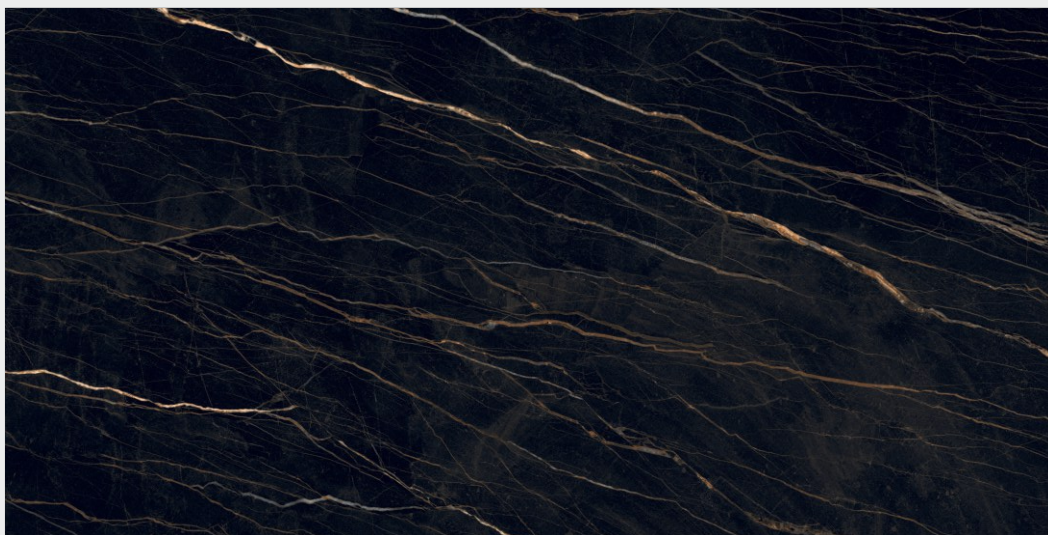
NOIR SERPENTS

1600x
3200mm

Sahara
Surface

Random
03

20mm
Thickness





NOIR SERPENTS



Roman
Classic



Sahara
Surface



02
Random

1600x
3200mm

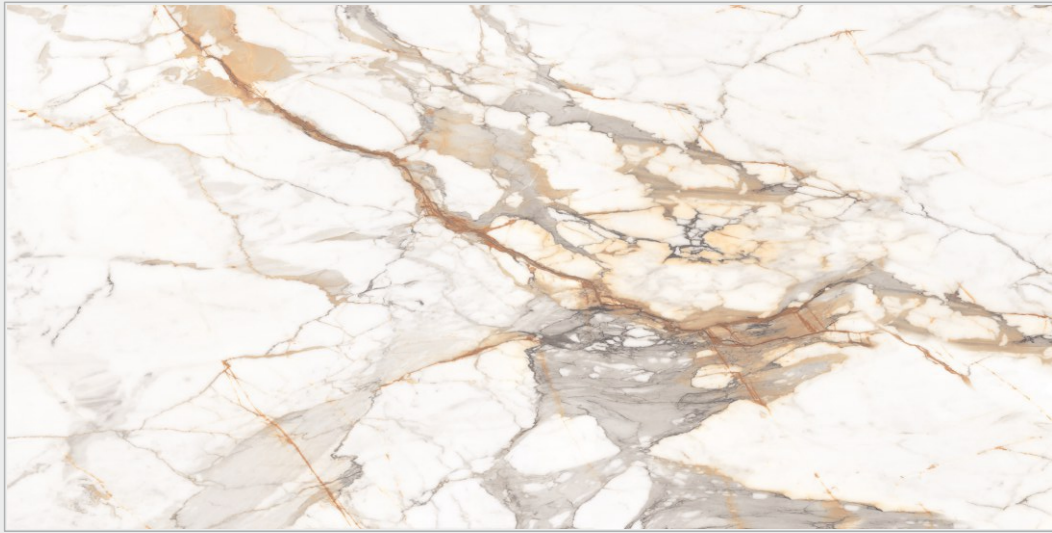
ROMAN CLASSIC

1600x
3200mm

Sahara
Surface

Random
02

20mm
Thickness





ROMAN CLASSIC





SOFT SATIN
Surface

Elevate your space.
Go big
with

1600x3200mm

Soft Satin | **20mm**
Surface | Thickness

Kozani
Crema



Soft Satin
Surface



03
Random

1600x
3200mm

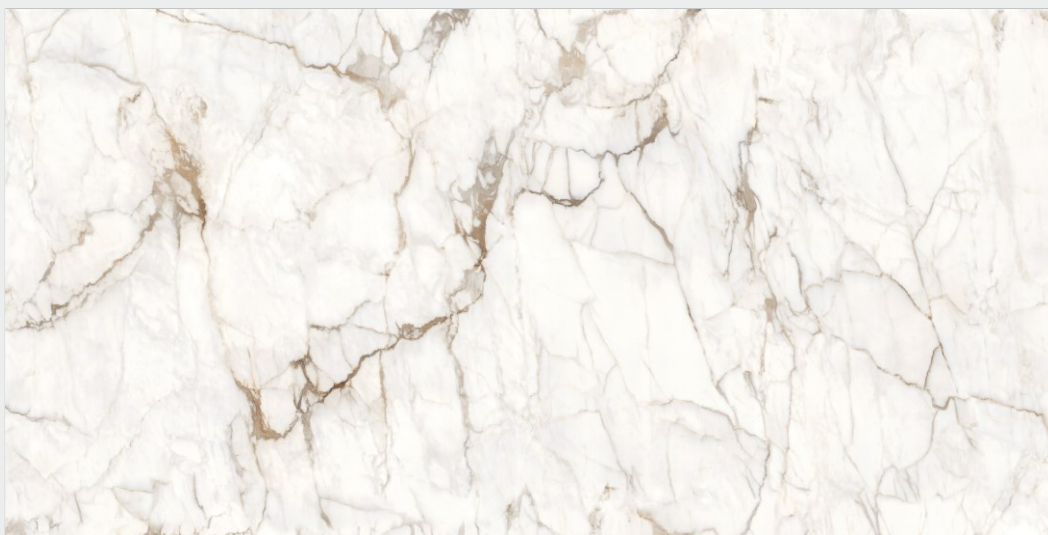
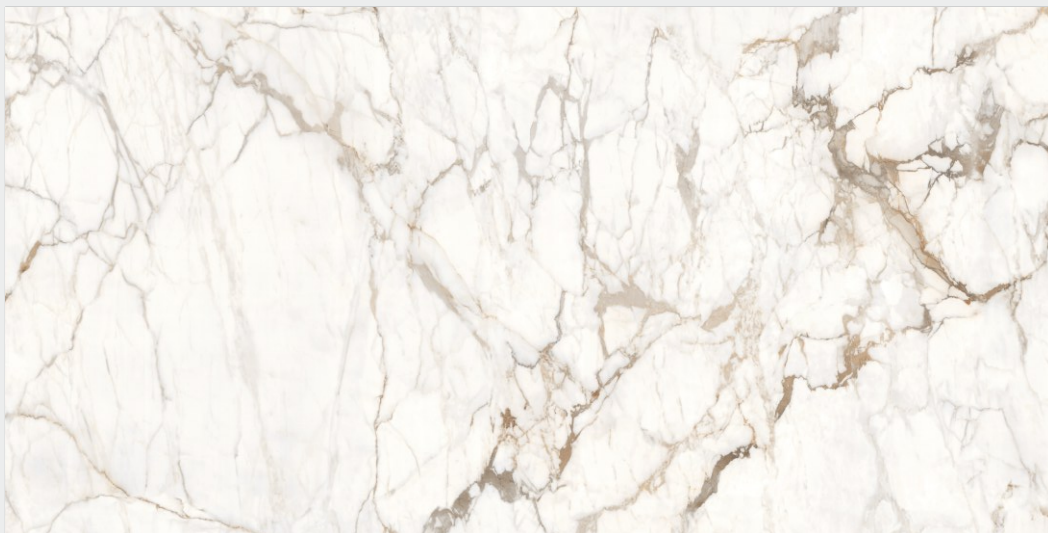
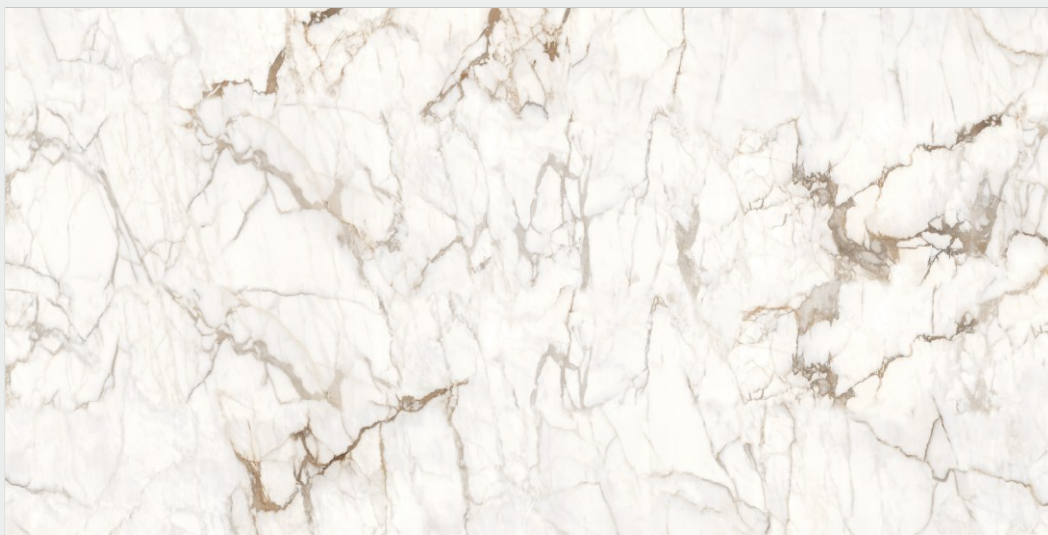
KOZANI CREMA

1600x
3200mm

Soft Satin
Surface

Random
03

20mm
Thickness





KOZANI CREMA



Patagonia
Gold



Soft Satin
Surface



02
Random



Bookmatch

1600x
3200mm

PATAGONIA GOLD

Bookmatch

1600x
3200mm

Soft Satin
Surface

Random
02

20mm
Thickness





PATAGONIA GOLD



TECHNICAL SPECIFICATIONS

CHARACTERISTIC	STANDARD AS PER ISO-13006/2018 En14411 gr.bla	VALUE	TEST METHOD
Regulatory Properties			
Deviation in Length & Width	±0.5%	±0.2%	ISO 10545-2
Deviation in Thickness	±5%	±5%	ISO 10545-2
Straightness of Sides	±0.5%	±0.2%	ISO 10545-2
Rectangularity	±0.5%	±0.2%	ISO 10545-2
Surface Flatness	±0.5%	±0.3%	ISO 10545-2
Colour Difference	ΔE<1.00	ΔE<0.30	ISO 10545-16
Glossiness	As per Mfg.	As Per Mfg.	GlossMeter
Structural Properties			
Water Absorption	≤0.5 %	≤0.3 %	ISO 10545-3
Apparent Density	As Per Mfg.	>2.20 g/cc	ISO 10545-3
Massive Mechanical Properties			
Modulus of Repture	Min.35N/mm ²	Min.40N/mm ²	ISO 10545-4
Breaking Strength	Min. 1300 N	Min. 2000 N	ISO 10545-4
Impact Resistance	As per Mfg.	Min. 0.55	ISO 10545-4
Surface Mechanical Properties			
Surface Abrasion Resistance	As per Mfg.	Min. class 3	ISO 10545-7
Moh's Hardness	As per Mfg.	Min. class 4	BS EN 15771
Thermo Hygrometric Properties			
Frost Resistance	As Per Mfg.	Frost Proof	ISO 10545-12
Thermal Shock Resistance	Min. 10 Cycle	Min. 10 Cycle	ISO 10545-9
Moisture Expansion	Max. 0.6mm/m	Max. 0.02mm/m	ISO 10545-10
Thermal Expansion	Max. 9.0 x 10 ⁻⁶	Max. 6.0x10 ⁻⁶	ISO 10545-8
Chemical Properties			
Chemical Resistance	As Per Mfg.	No Damage	ISO 10545-13
Stain Resistance	Resistant	Resistant	ISO 10545-14
Safety Properties			
Slip Resistance	As per Mfg.	N. A.	DIN 51130
Fire Resistance	As per Mfg.	Fire Proof	N. A.

PACKING DETAILS

Size	BOX WEIGHT	NO OF SLAB/BOX	SQ.METER	THICNESS
1600x3200mm	237 kg	1pcs	5.12 sq.meter	20MM

TECHNICAL SPECIFICATION

CHARACTERISTIC	STANDARD AS PER ISO 13006:2012/ EN14411 GR. B1a	STANDARD AS PER ISO 15622:2017 GR. B1a	OUR VALUE	TEST METHOD
Regulatory Properties				
Deviation in length and width	± 0.50%	± 0.10%	± 0.10%	ISO 10545-2 & IS 13630-1
Deviation in thickness	± 5.00%	± 5.00%	± 4.00%	ISO 10545-2 & IS 13630-1
Straightness in side	± 0.50%	± 0.10%	± 0.10%	ISO 10545-2 & IS 13630-1
Rectangularity	± 0.60%	± 0.10%	± 0.10%	ISO 10545-2 & IS 13630-1
Surface flatness central curvature	± 0.50%	± 0.50%	± 0.10%	ISO 10545-2 & IS 13630-1
Surface flatness Edge curvature	± 0.50%	± 0.50%	± 0.10%	ISO 10545-2 & IS 13630-1
Surface flatness Warpage	± 0.50%	± 0.50%	± 0.10%	ISO 10545-2 & IS 13630-1
Surface Quality	> 95% defects free	> 95% defects free	> 95% defects free	ISO 10545-2 & IS 13630-1
Small color Difference	ΔE <0.75	N.A.	No Change	ISO 10545-16
Glossiness (with nano polished)	As per Manufacturer	As per Manufacturer	>90°	Gloss Meter 60°
Glossiness (without polished)	As per Manufacturer	As per Manufacturer	7° < GLOSS <14°	Gloss Meter 60°
Glossiness (Satin)	As per Manufacturer	As per Manufacturer	15° < GLOSS <25°	Gloss Meter 60°
Structural Properties				
Water absorption	≤ 0.50%	≤ 0.080%	≤ 0.050%	ISO 10545-3 & IS 13630-2
Bulk density	> 2.00 g/cc	Min.2.00 g/cc	> 2.28 g/cc	DIN51082 & IS 13630-2
Massive Mechanical Properties				
Modulus of rupture	Min. 35.0 N/mm ²	Min. 35.0 N/mm ²	Min. 37.0 N/mm ²	ISO 10545-4 & IS 13630-6
Breaking strength thickness <7.5	Min. 700.0 N	Min. 700.0 N	Min. 1000.0 N	ISO 10545-4 & IS 13630-6
Breaking strength thickness ≥7.5	Min. 1300.0 N	Min. 1300.0 N	Min. 1600.0 N	ISO 10545-4 & IS 13630-6
Massive Mechanical Properties				
MOH'S hardness	Min. 4	Min. 5	Min. 4**	EN 101 & IS 13630-13
Surface abrasion resistance-Glossy#	As per Manufacturer	Min. Class II	Min. Class 2/Min,ClassII	ISO 10545-7 & IS 13630-11
Surface abrasion resistance-Matt#	As per Manufacturer	Min. Class II	Min. Class 3/Min,ClassII	ISO 10545-4 & IS 13630-11
Thermal Hygrometric Properties				
Moisture expansion	Min. 0.06	Min. 0.02	NIL	ISO 10545-10 & IS 13630-3
Moisture expansion(COE) at 100°C	As per Manufacturer	Min. 7.0 x 10*	Min. 6.0 x 10*	ISO 10545-8 & IS 13630-4
Thermal shock resistance	Min, 10 Cycle	Min. 10 Cycle	Min. 10 Cycle	ISO 10545-9 & IS 13630-5
Crazing Resistance at 7.5 Bar	As per Manufacturer	Min. 4 Cycle	Min. 6 Cycle	ISO 10545-11 & IS 13630-9
Impact resistance (COR)	As per Manufacturer	Min. 0.55	Min. 0.55	ISO 10545-5 & IS 13630-14
Frost resistance	As per Manufacturer	As per Manufacturer	Frost Proof	ISO 10545-12 & IS 13630-10
Thermal Hygrometric Properties				
Moisture expansion	Min. 0.06	Min. 0.02	NIL	ISO 10545-10 & IS 13630-3
Moisture expansion(COE) at 100°C	As per Manufacturer	Min. 7.0 x 10*	Min. 6.0 x 10*	ISO 10545-8 & IS 13630-4
Thermal shock resistance	Min, 10 Cycle	Min. 10 Cycle	Min. 10 Cycle	ISO 10545-9 & IS 13630-5
Crazing Resistance at 7.5 Bar	As per Manufacturer	Min. 4 Cycle	Min. 6 Cycle	ISO 10545-11 & IS 13630-9
Impact resistance (COR)	As per Manufacturer	Min. 0.55	Min. 0.55	ISO 10545-5 & IS 13630-14
Frost resistance	As per Manufacturer	As per Manufacturer	Frost Proof	ISO 10545-12 & IS 13630-10
Chemical Properties				
Resistance to Staining Glazed	Min. Class 3	Min. Class I	Min. Class 4/min.classI	ISO 10545-10 & IS 13630-8
Resistance to household chemicals & swimming pool salts Glazed	Min. Class GB	Min. Class AA	Min. Class GA/Min.class AA	ISO 10545-9 & IS 13630-8
Resistance to low concentrate Acidand alkalis Glazed	As per Manufacturer	As per Manufacturer	Min. Class GLB* /Min.class A***	ISO 10545-5 & IS 13630-8
**Resistance to High concentrate Acidand alkalis Glazed	As per Manufacturer	As per Manufacturer	Min. Class GA/Min.class AA	ISO 10545-12 & IS 13630-8
Safety Properties				
Skid resistance (DCOF-DRY)	As per Manufacturer	As per Manufacturer	>0.40	ISO 10545-17
Slip resistance (DCOF)(R Value) ##	As per Manufacturer	As per Manufacturer	N.A.	ISO 10545-17
Determination of Lead & Cadmium Release for Glazed Tiles	As per Manufacturer	N.A.	Does not yield pb & Cd	ISO 10545-15
Fire Resistance	As per Manufacturer	As per Manufacturer	Fire Proof	N.A.

* Glossiness 90% with nano technology

** Without nano technology (Unpolished Vitrified Tiles)

*** Except Hydrofluoric Acid & it's Compound

Glaze tiles intended for use on floor

As per customer requirement