

**EMOTIONS  
FOR YOUR  
HOME**

**800x  
1600mm**

**600x  
1200mm**





aspera  
fether





Available Formats:

800x 600x  
1600mm 1200mm



☀️ Finish: HIGH GLOSS



aspera  
fether











irises  
natural





Available Formats:

800x 600x  
1600mm 1200mm



☀️ Finish: HIGH GLOSS



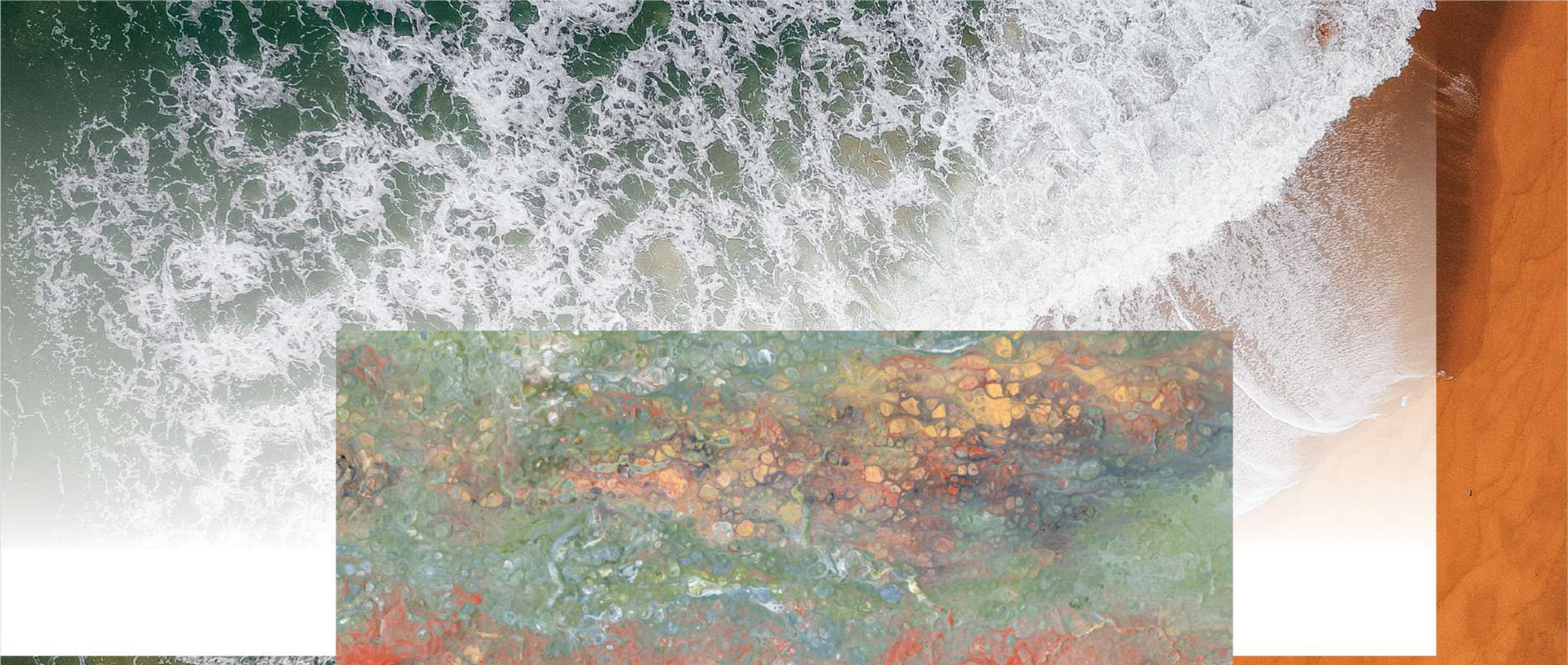
irises  
natural











modella  
rainbow





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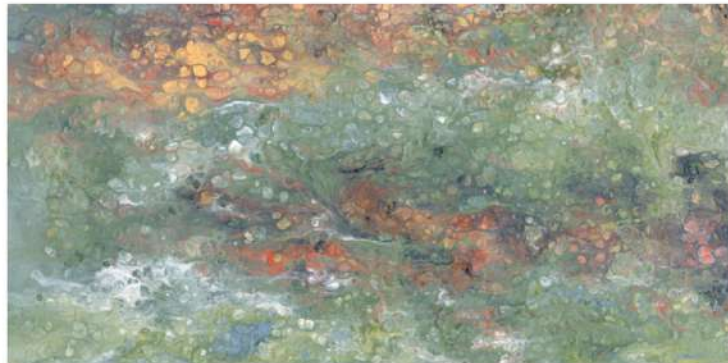
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☀️ Finish: HIGH GLOSS



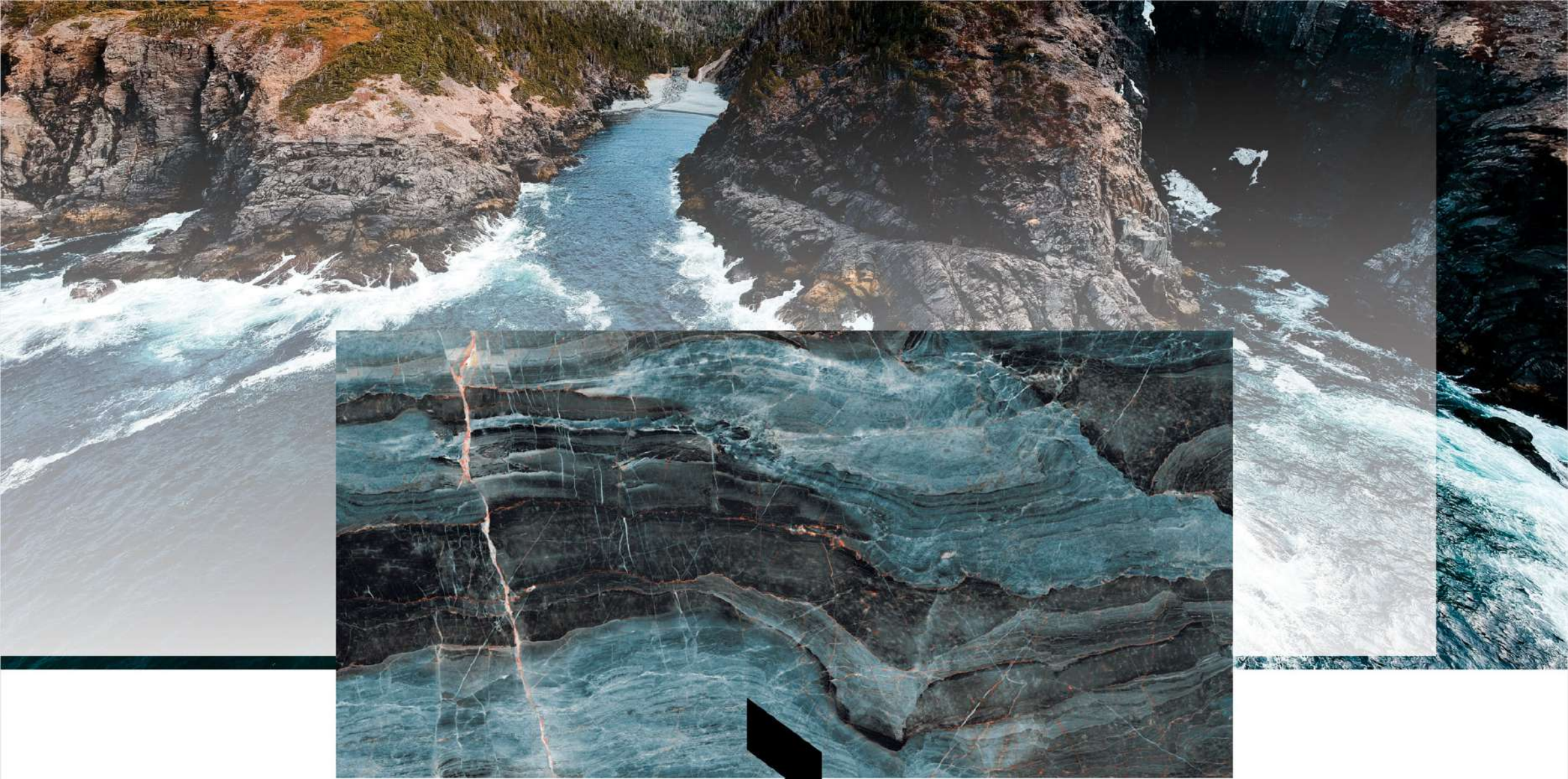
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rainbow





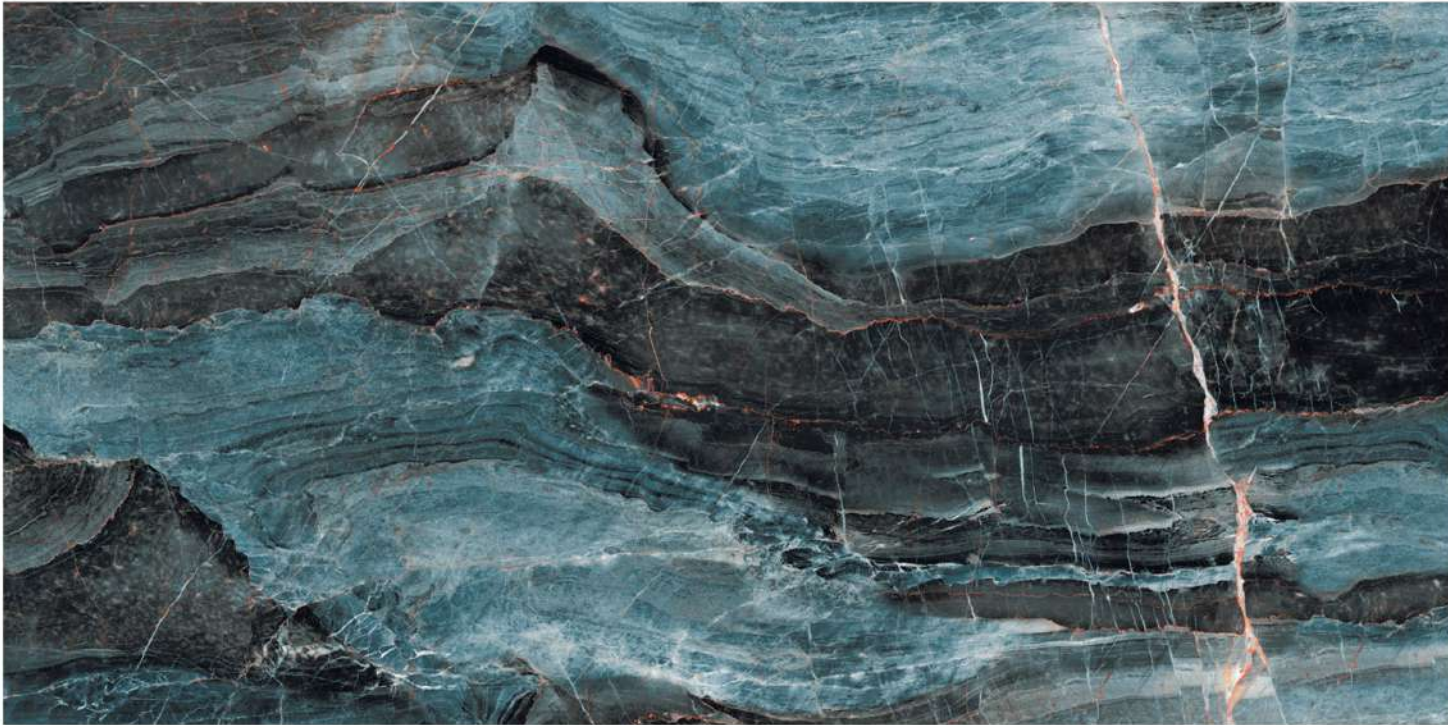






amazonia  
aqua





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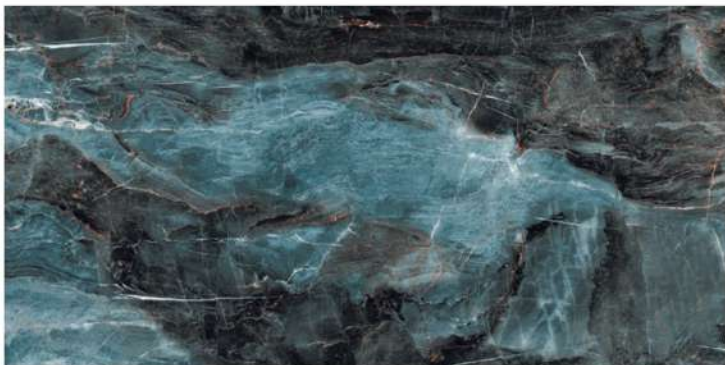
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☀️ Finish: HIGH GLOSS



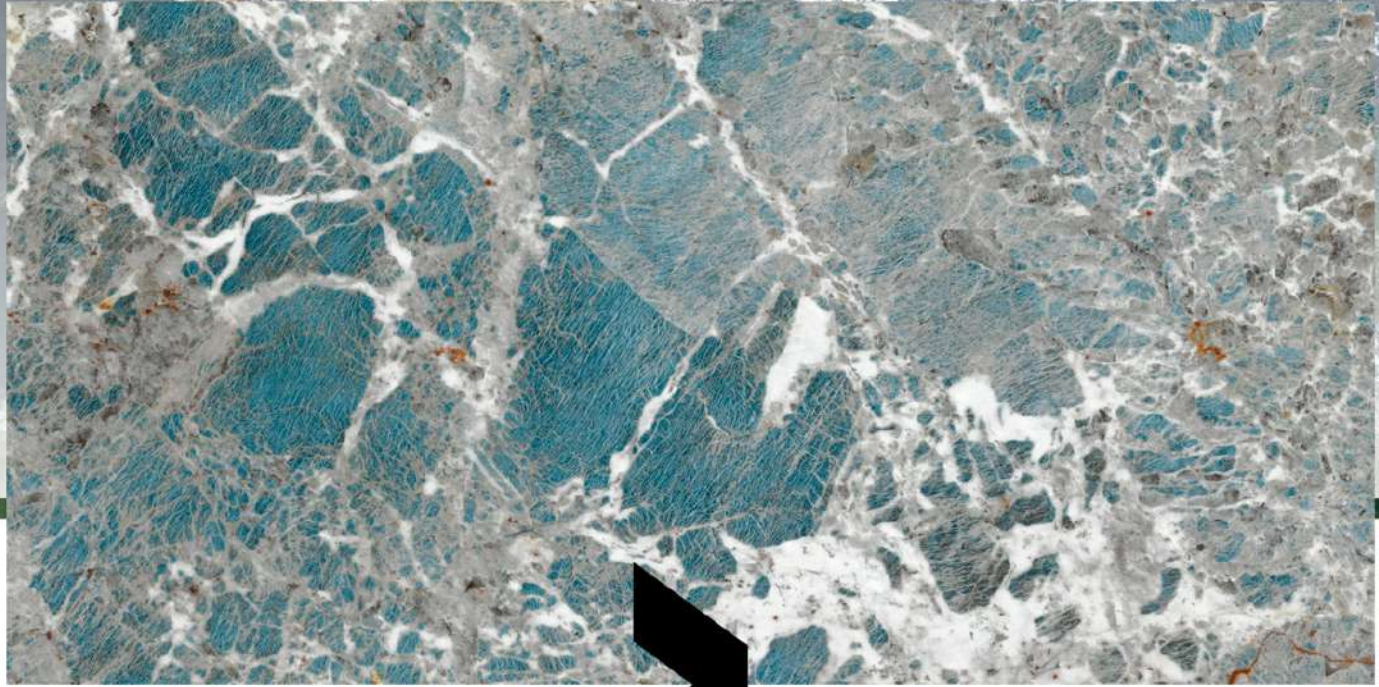
amazonia  
aqua





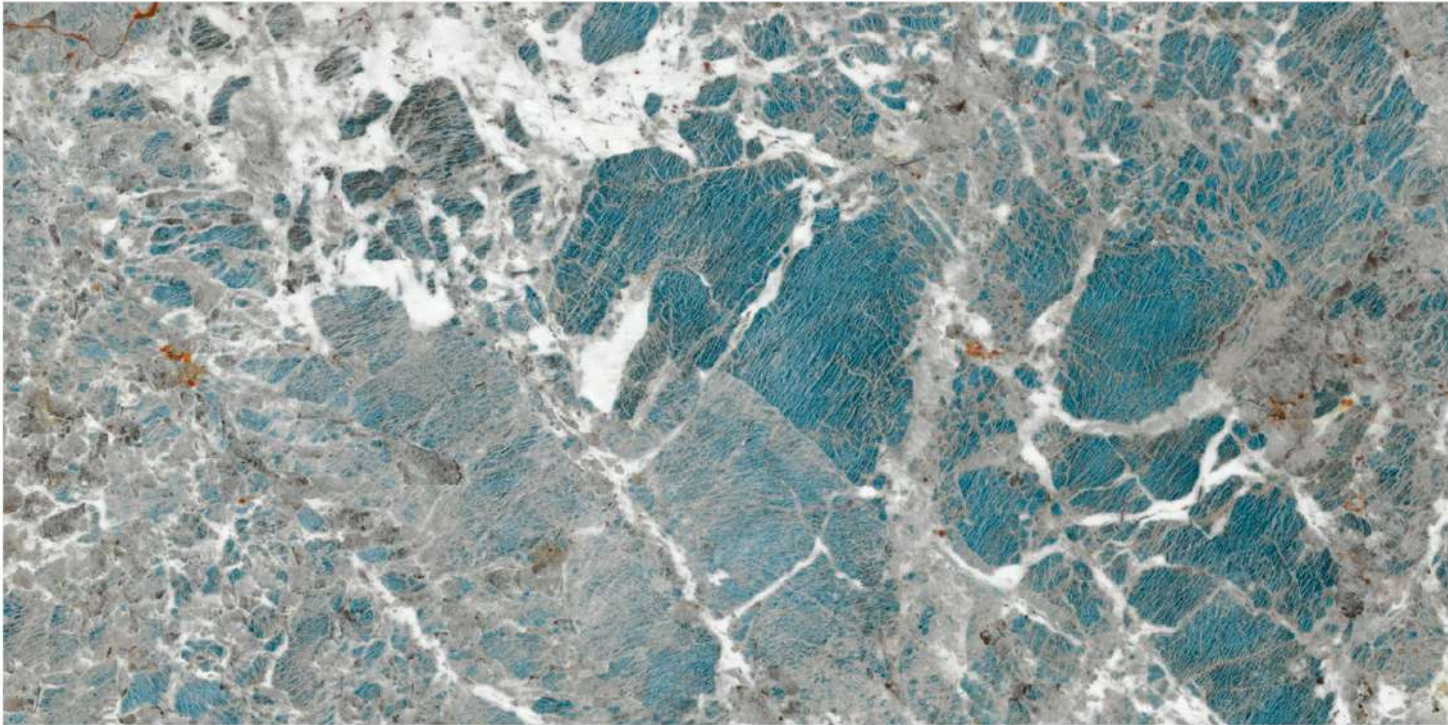






amazonite





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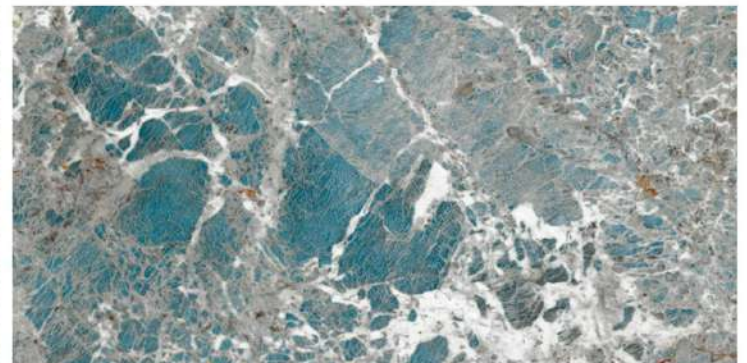
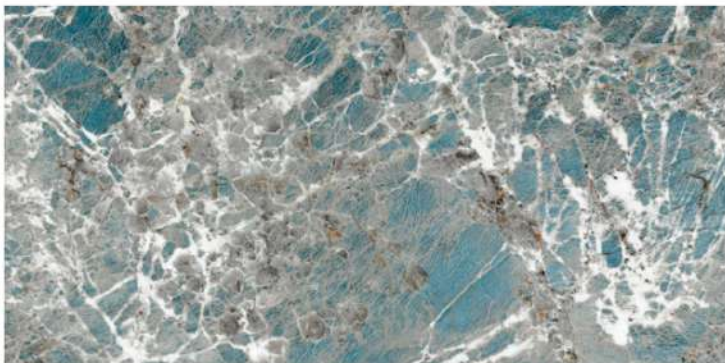
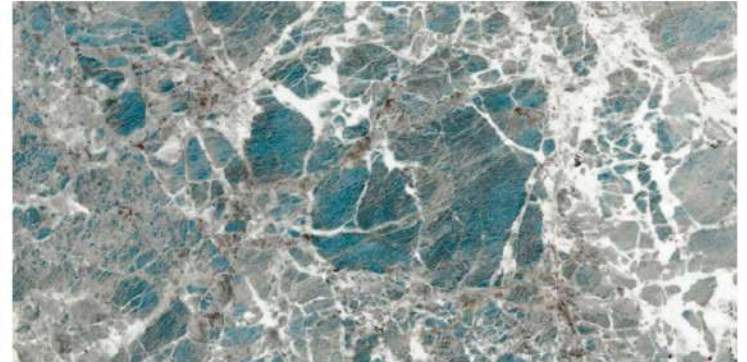
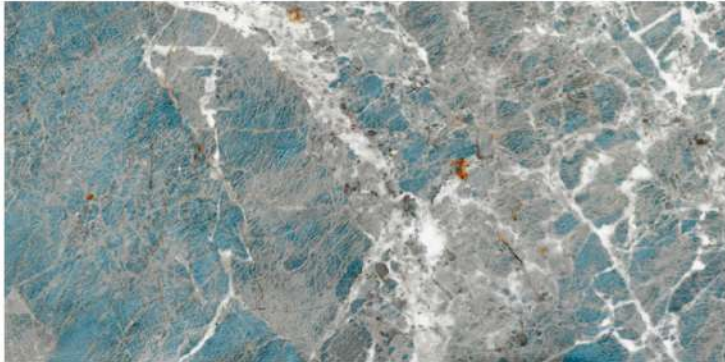
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☀️ Finish: HIGH GLOSS



amazonite





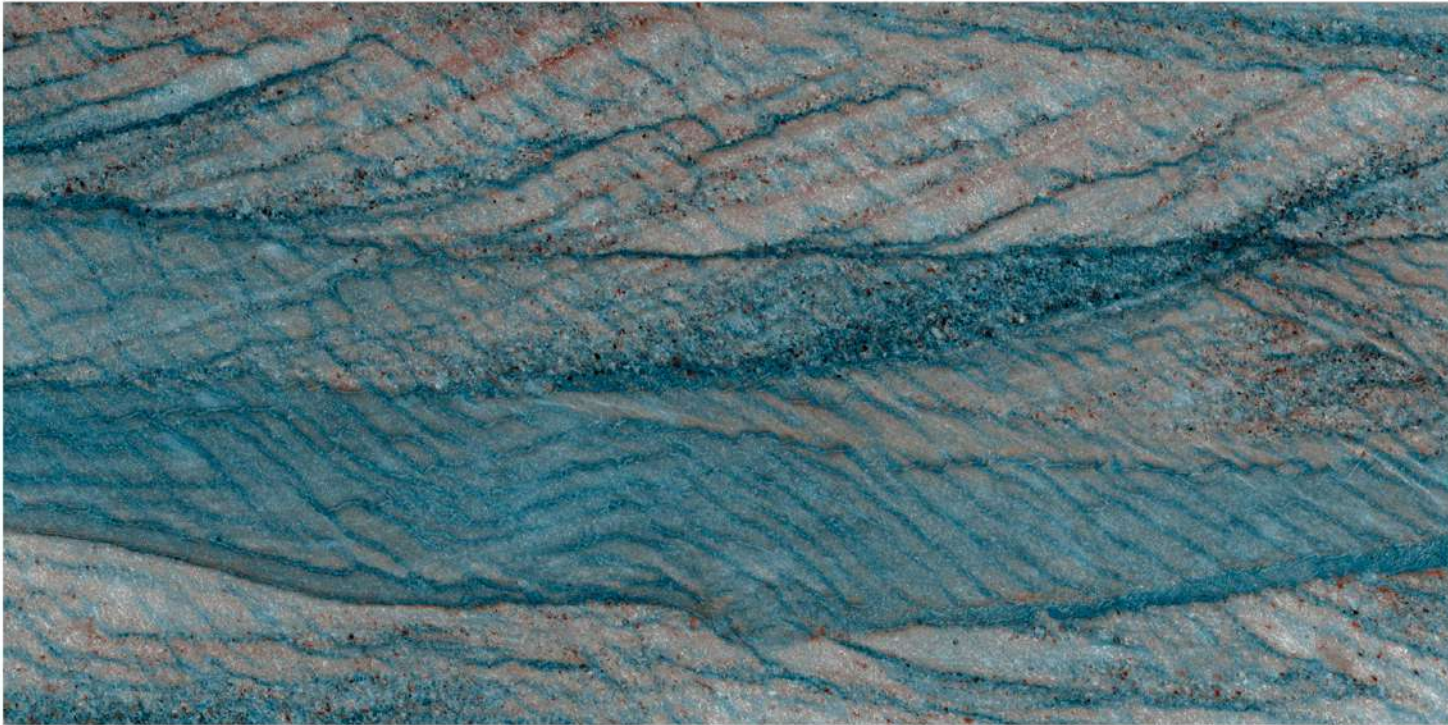






aqua  
macabus





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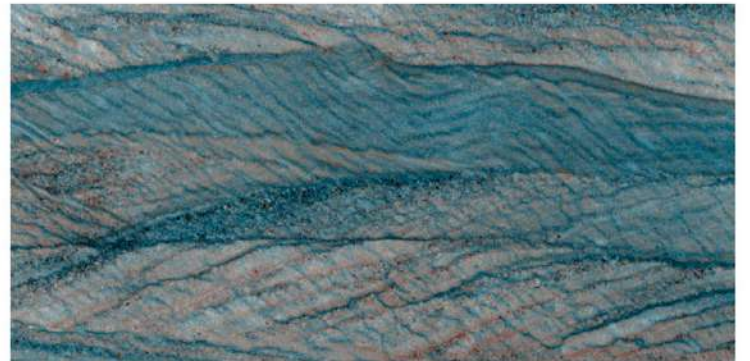
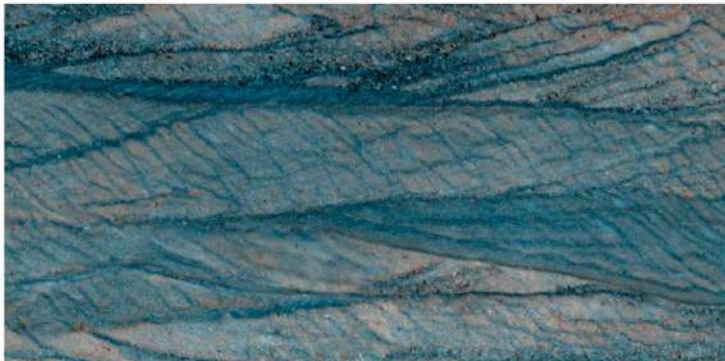
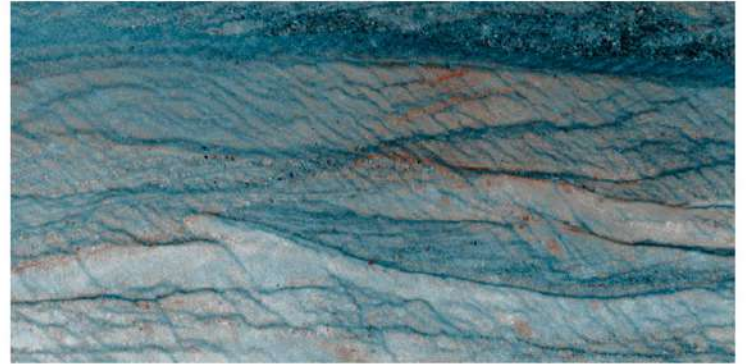
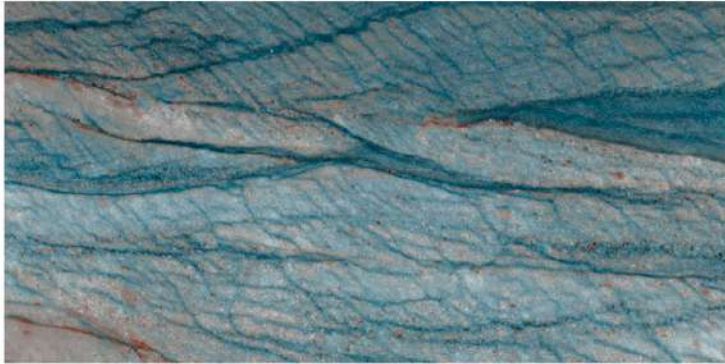
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1600mm 1200mm



☀️ Finish: HIGH GLOSS




aqua  
macabus







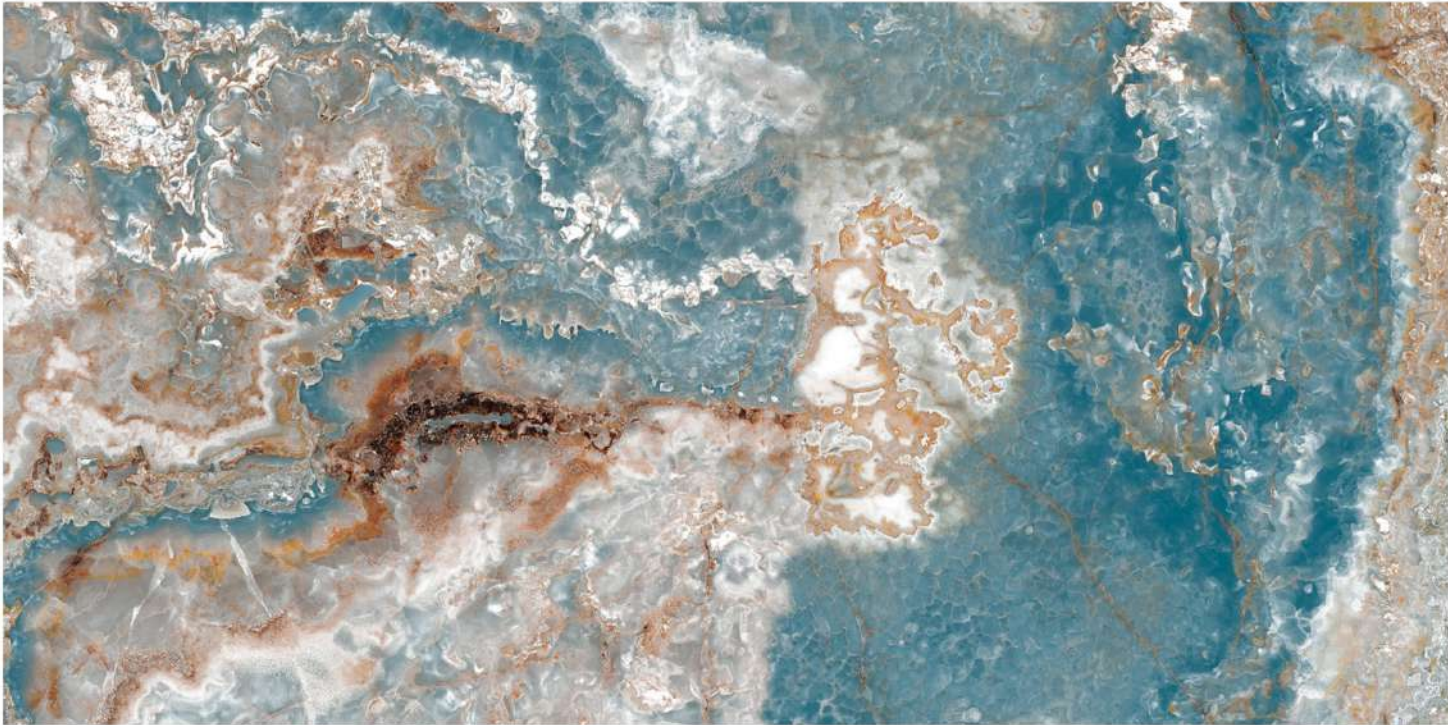
 aqua  
macabus





barricato  
aqua





Available Formats:

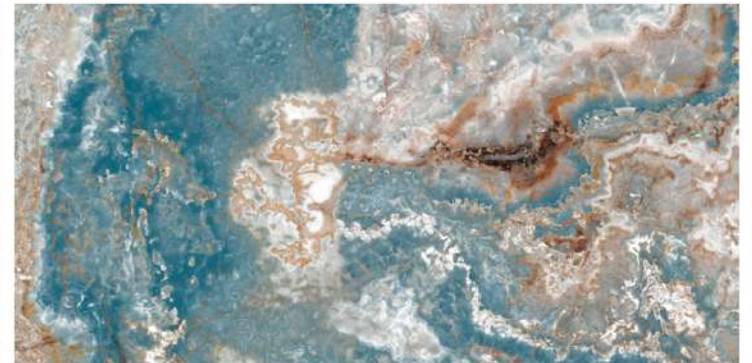
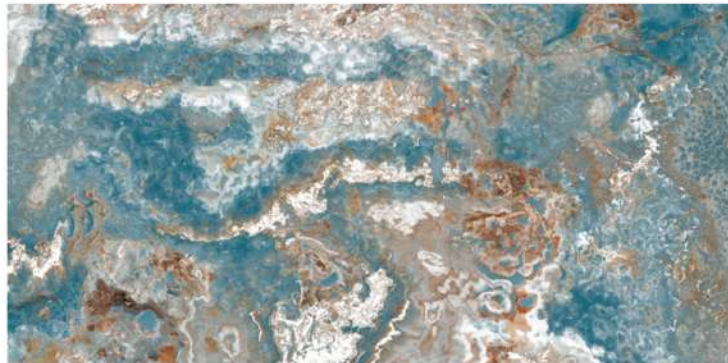
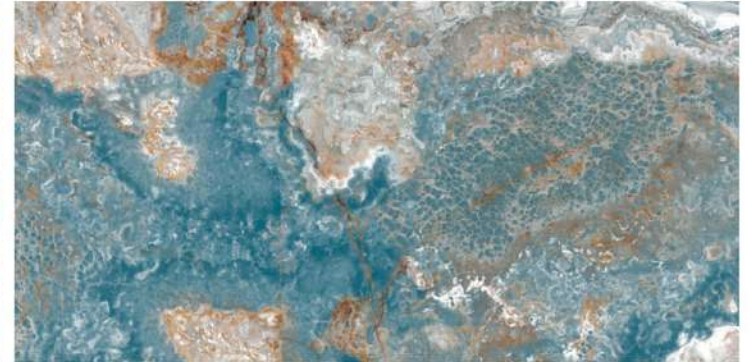
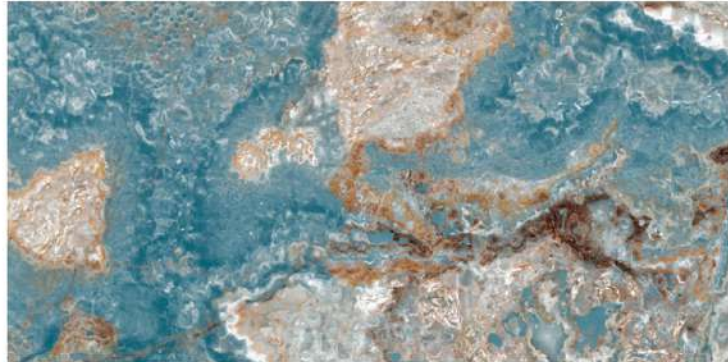
800x 600x  
1600mm 1200mm



☀️ Finish: HIGH GLOSS



barricato  
aqua











dream  
green onyx





Available Formats:

800x 600x  
1600mm 1200mm



☀️ Finish: HIGH GLOSS



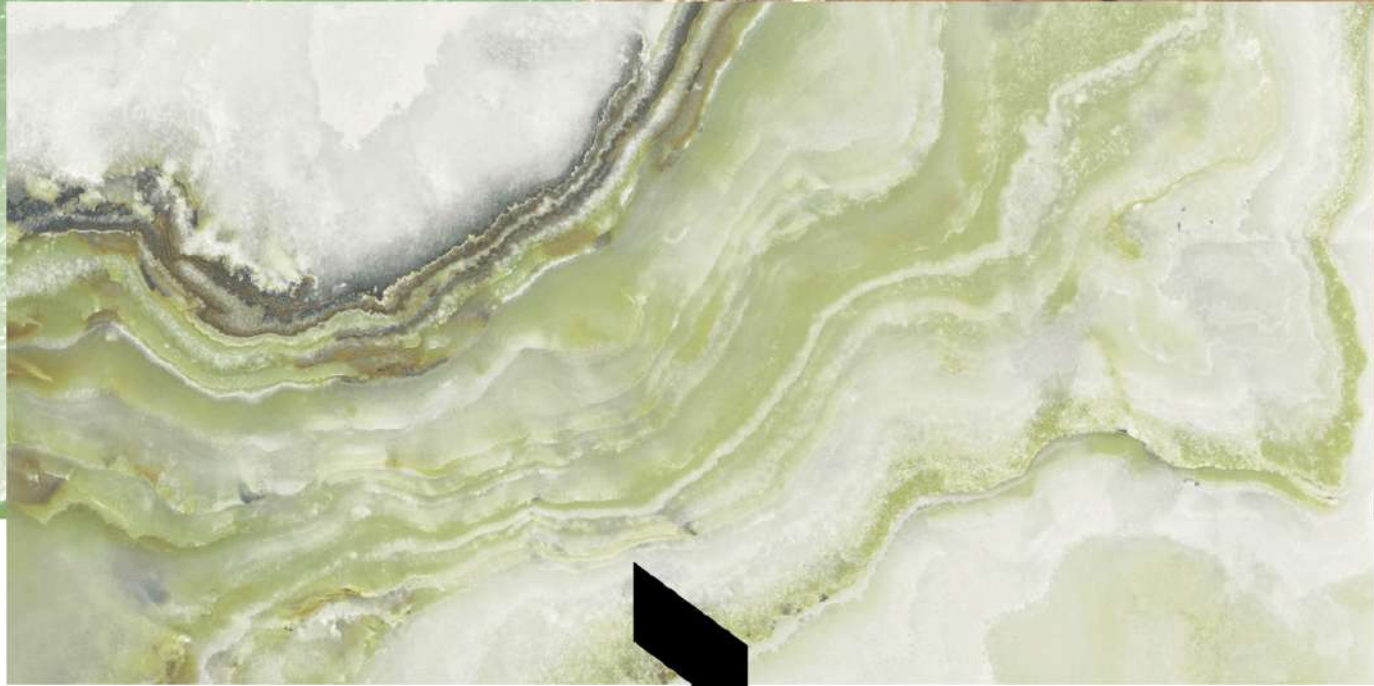
dream  
green onyx











emerald  
green onyx





Available Formats:

800x 600x  
1600mm 1200mm



☀️ Finish: HIGH GLOSS



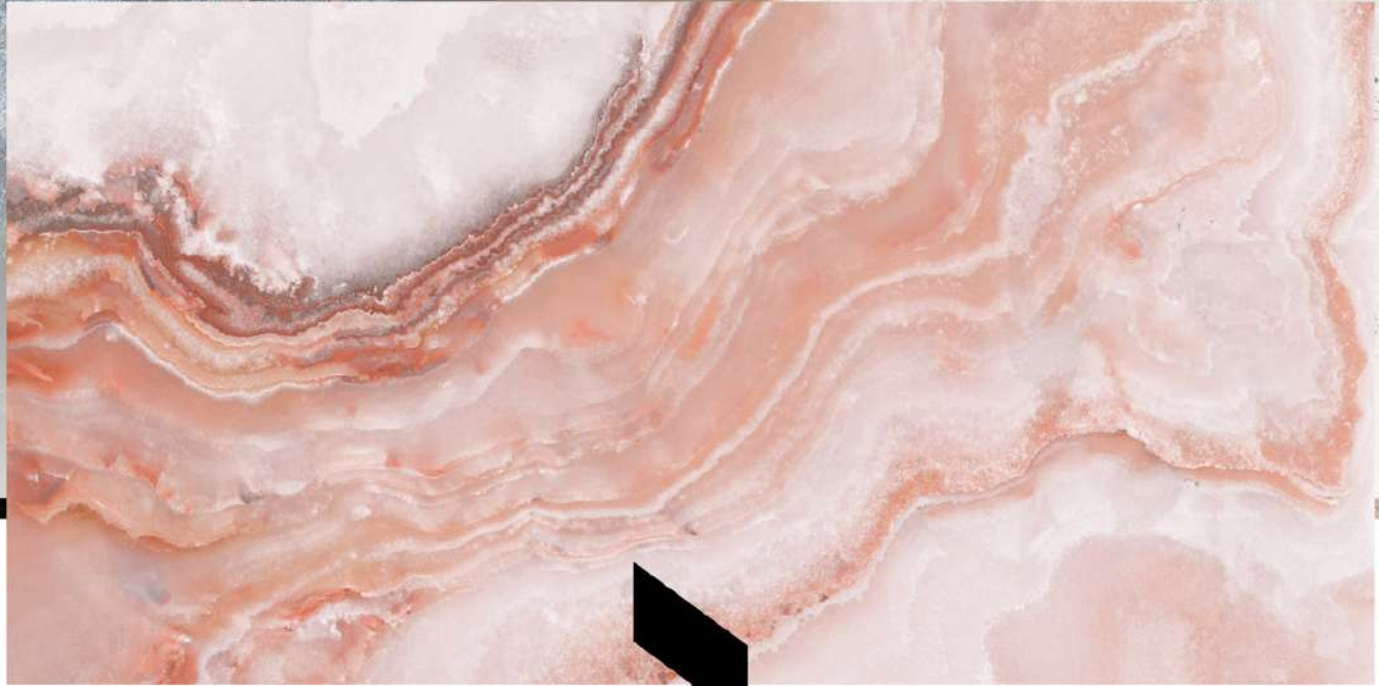
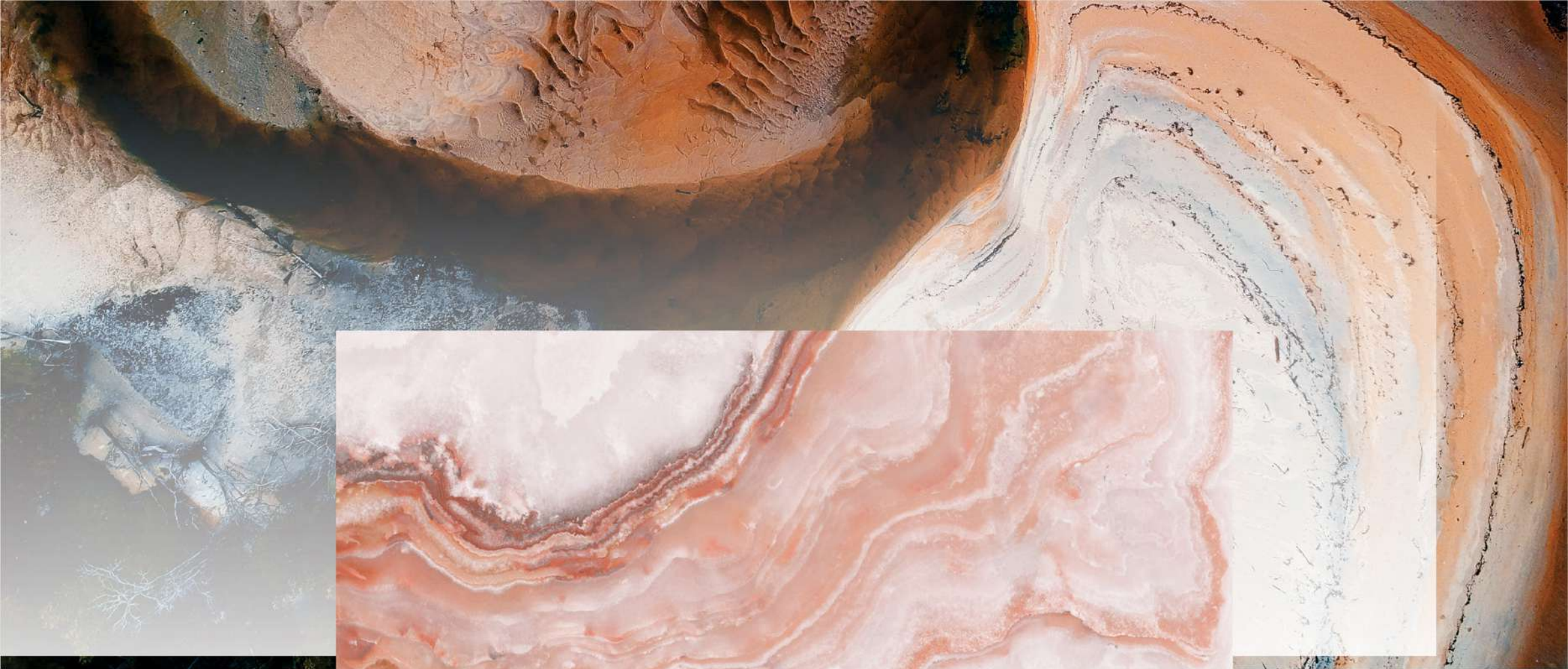
emerald  
green onyx











hazel  
onyx





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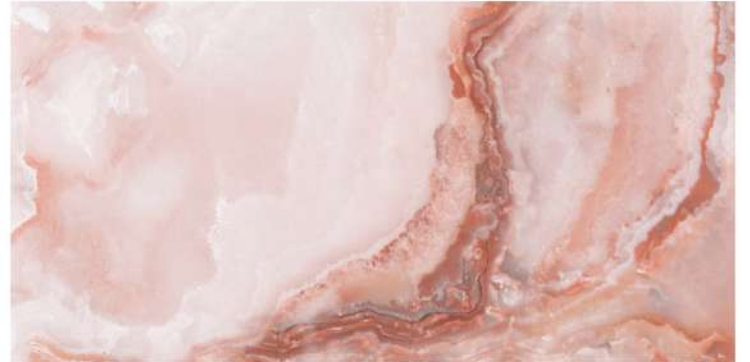
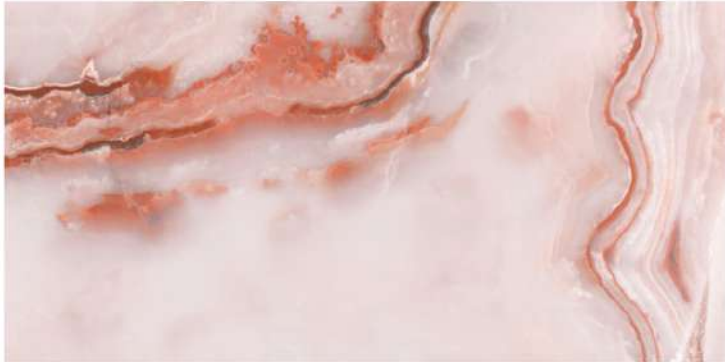
800x 600x  
1600mm 1200mm



☀️ Finish: HIGH GLOSS



hazel  
onyx











jade  
onyx





Available Formats:

800x 600x  
1600mm 1200mm



☀️ Finish: HIGH GLOSS



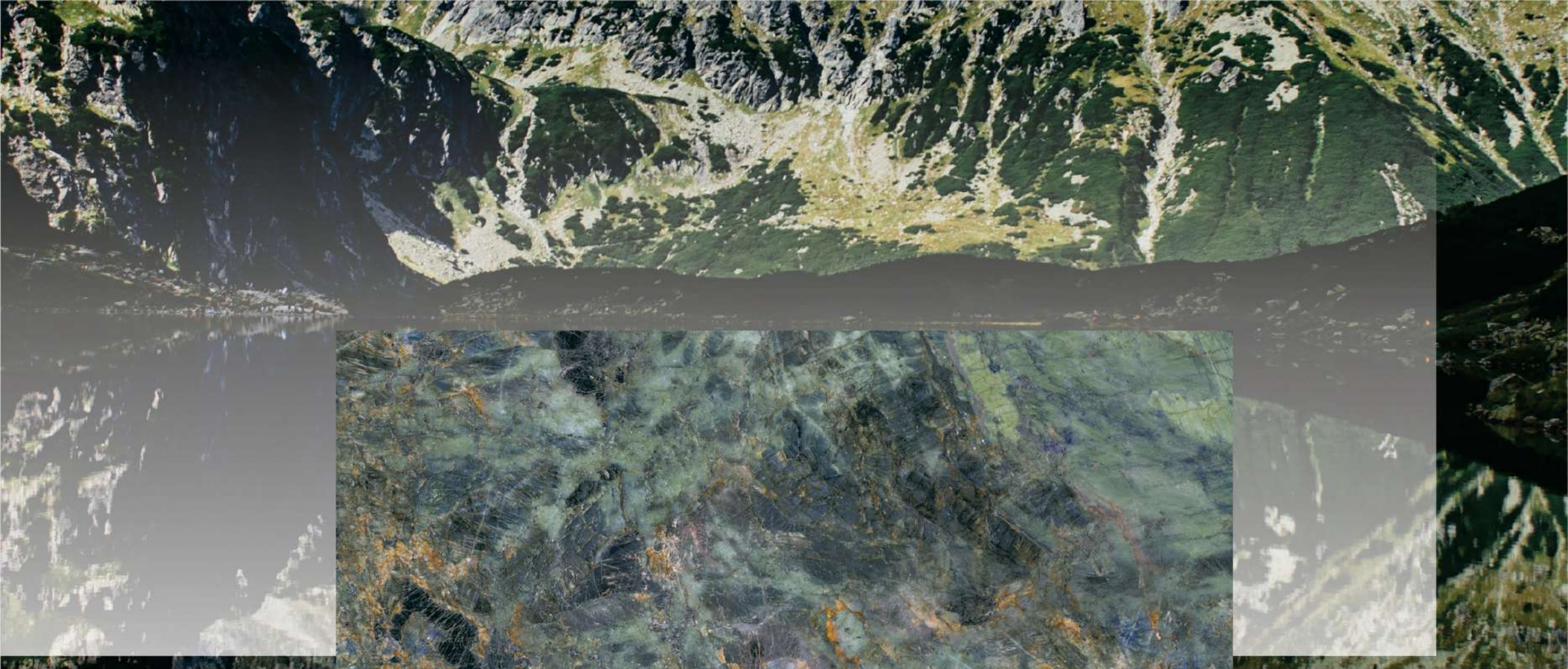
jade  
onyx











lemurain  
blue





Available Formats:

800x 600x  
1600mm 1200mm



☀️ Finish: HIGH GLOSS



lemurain  
blue





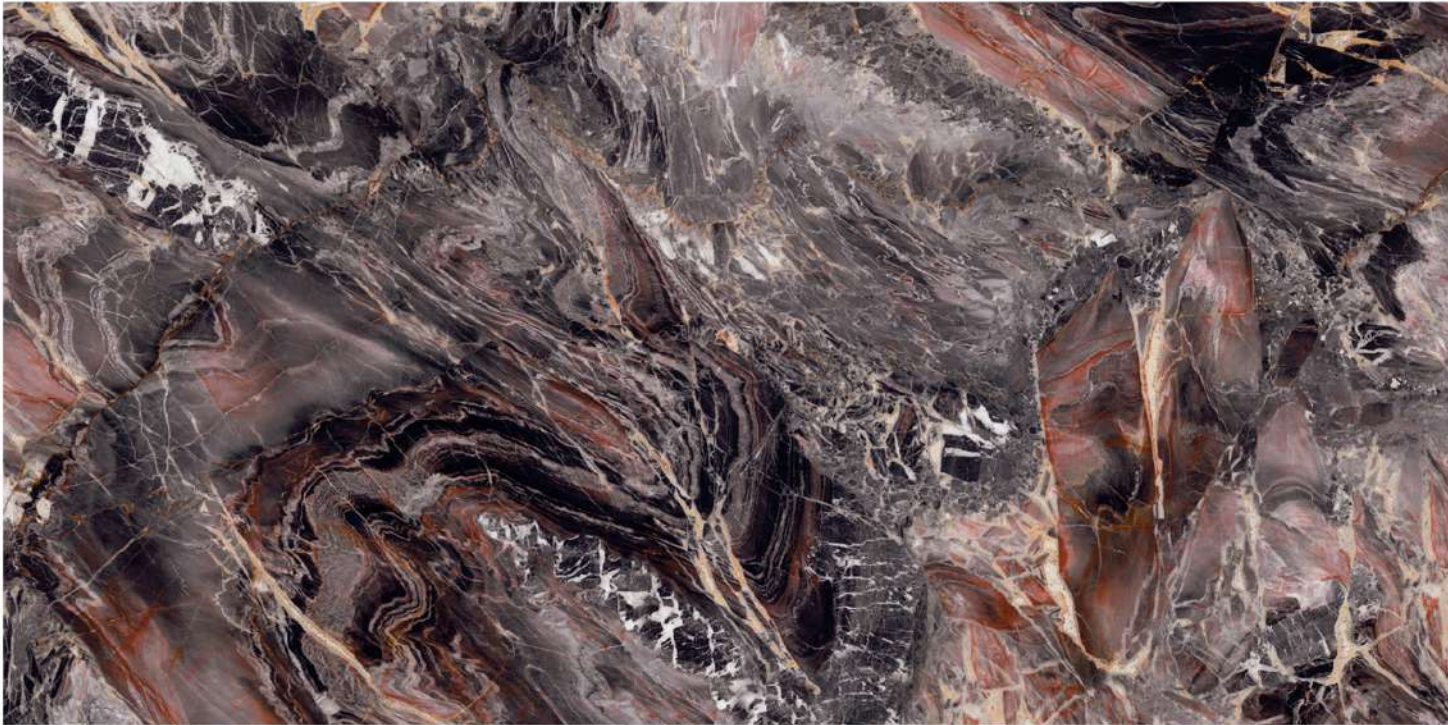






red  
confusion





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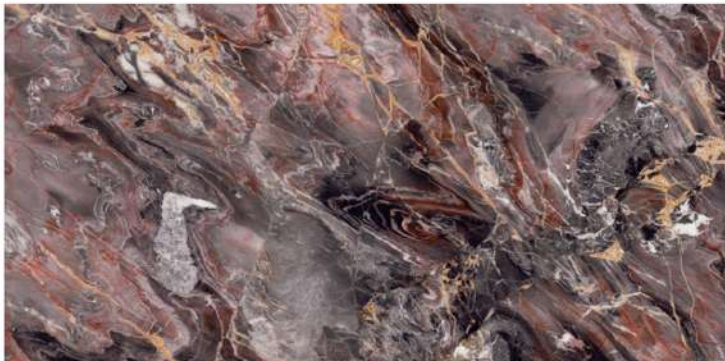
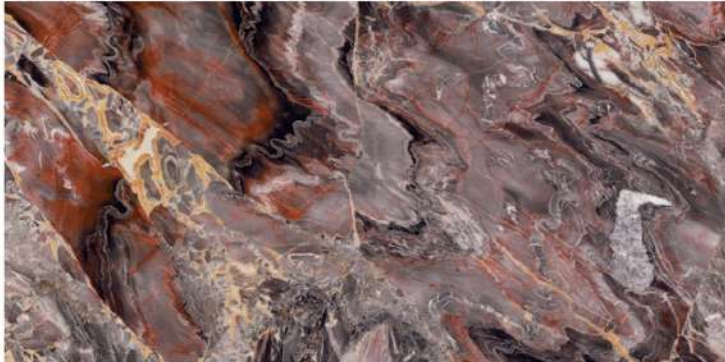
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1600mm 1200mm



☀️ Finish: HIGH GLOSS



red  
confusion





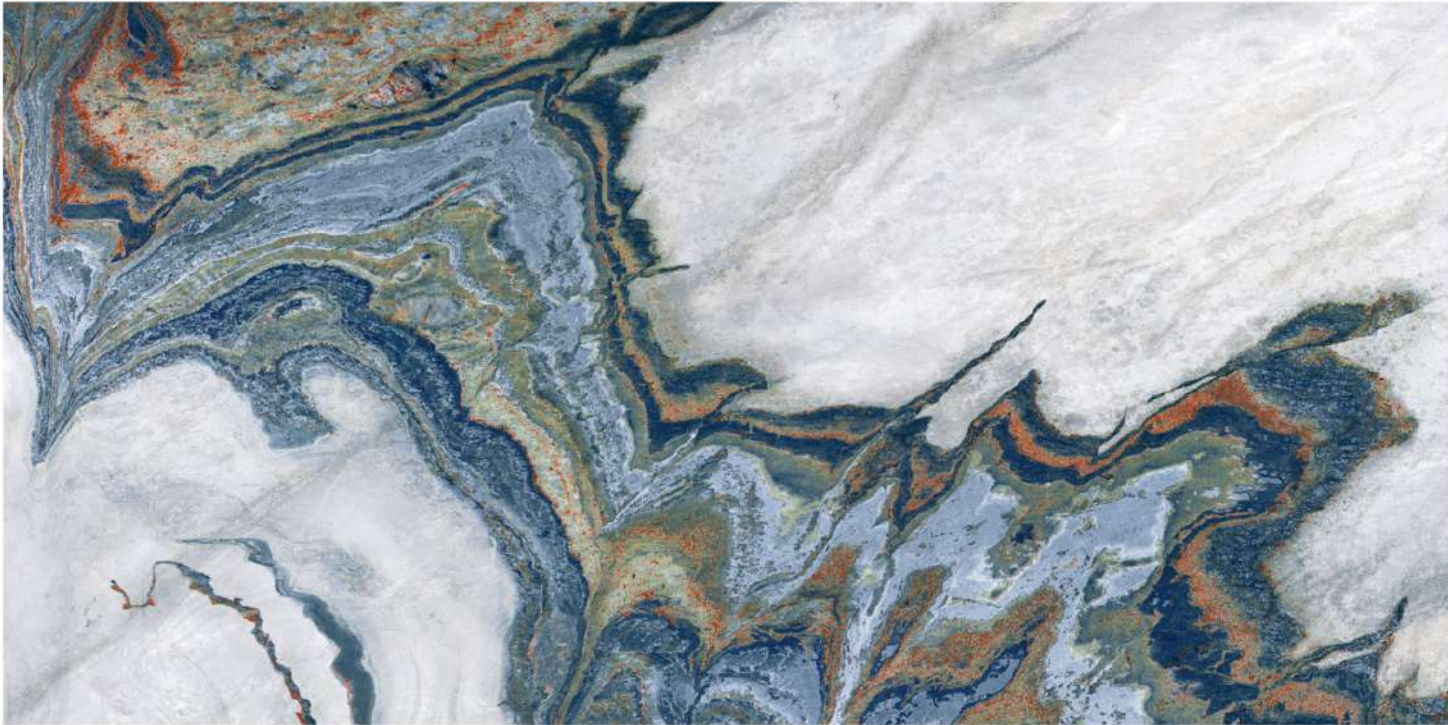






veronia  
azzure





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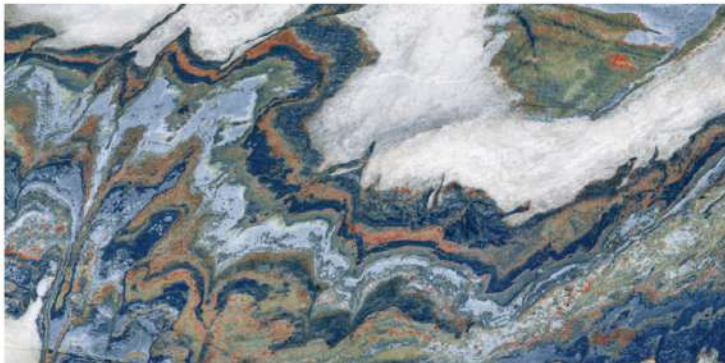
800x 600x  
1600mm 1200mm



☀️ Finish: HIGH GLOSS



veronia  
azzure











flamingo  
carrara  

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(light)



Available Formats:

800x 600x  
1600mm 1200mm



☀️ Finish: HIGH GLOSS











green  
velor carrara





Available Formats:

800x 600x  
1600mm 1200mm



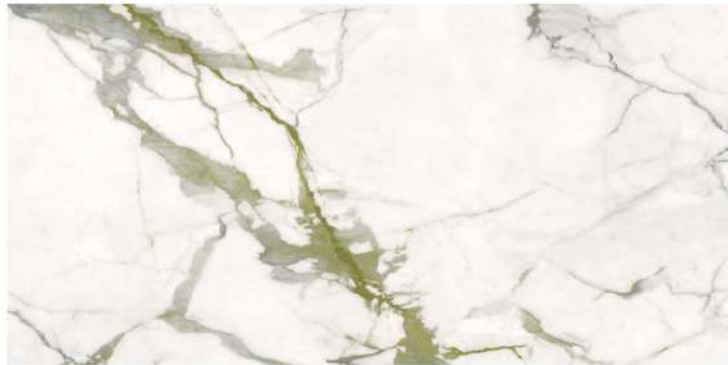
☀️ Finish: HIGH GLOSS



green  
velor carrara  

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 (light)











red velor  
carrara





Available Formats:

800x 600x  
1600mm 1200mm



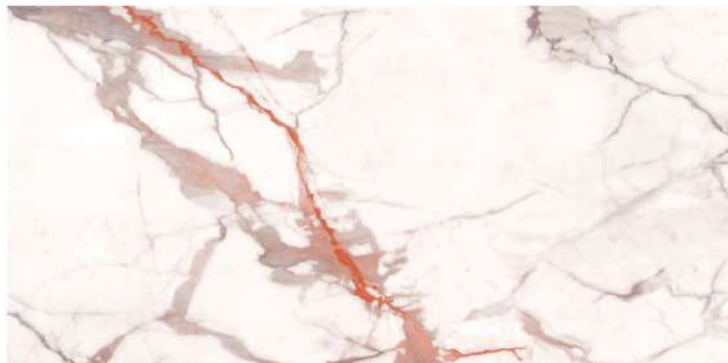
☀️ Finish: HIGH GLOSS



red velor  
carrara  

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 (light)











aqua  
vapor onyx





Available Formats:

800x 600x  
1600mm 1200mm



☀️ Finish: HIGH GLOSS



aqua  
vapor onyx  

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 (light)







BOOK

aqua  
vaporonyx





olive  
green onyx





Available Formats:

800x 600x  
1600mm 1200mm



☀️ Finish: HIGH GLOSS



olive  
green onyx  

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 (light)











red wain  
onyx





Available Formats:

800x 600x  
1600mm 1200mm



☀️ Finish: HIGH GLOSS



red wain  
onyx  
(light)









## Technical Specifications

CHARACTERISTICS	STANDARD AS PER ISO-13006/EN14411 GROUP B1A	OUR VALUE OF PGVT	OUR VALUE OF GVT	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%	GLOSSOMETER
<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. 13000 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
MOHS 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

## Packing Details

Sr. No.	Size	Thickness (approx)	Pieces / Box	Area / Box (approx)	Wt. Kg. (approx)
1	800x1600 mm	9mm	2pcs.	2.56 sq. mtr.	52.200
2	600x1200 mm	8.6mm	2pcs.	1.44 sq. mtr.	28.200

## 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

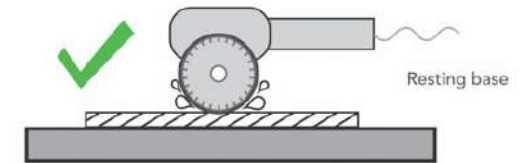
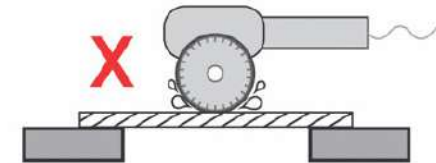
As long as the technical capacity of the cutting machine allows it, it is advisable to finish all the cuts towards the edge of the slab and avoid all the endings at the central area of the slab.

### 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

