



ELM SURFACES

Aeagen Collection



▶ **Aeagen[®]**

Using cutting edge technology of the ceramics industry, porcelain changes its faces thanks to our new Elm Surfaces Aeagen[®] range.

Our Elm Surfaces Aeagen[®] range is available in large 324 cm by 163 cm slabs suitable for a wide range of applications and uses in the design of interiors.

Each slab has a perfect look, featuring many different natural stone patterns meeting the needs of both contemporary design and classic taste. Using advanced production processes, we can convey to the slabs an incredible sturdiness and resistance: each slab is completely impermeable and scratch, heat and UV resistant.

The patterns on each slab has been selected with the utmost attention to render the true beauty of natural stone on the porcelain surface with a smooth background and rich and refined veining. At the same time Elm Surfaces Aeagen[®] surfaces are completely safe for food contact and stainproof, making them an ideal choice for countertops and work surfaces.

Starting with the classic and trendy colors available today, we will add to our range exciting colors every month with a look at the trend of the next seasons.





Elm Surfaces - CALACATTA BORGHINI





Elm Surfaces - STATUARIO







Elm Surfaces - CALACATTA VAGLI





Elm Surfaces - BIANCO CARRARA





Elm Surfaces - MACCHIA ANTICA







Elm Surfaces - INVISIBLE WHITE







Elm Surfaces - ZEBRINO







Elm Surfaces - CALACATTA CALDIA



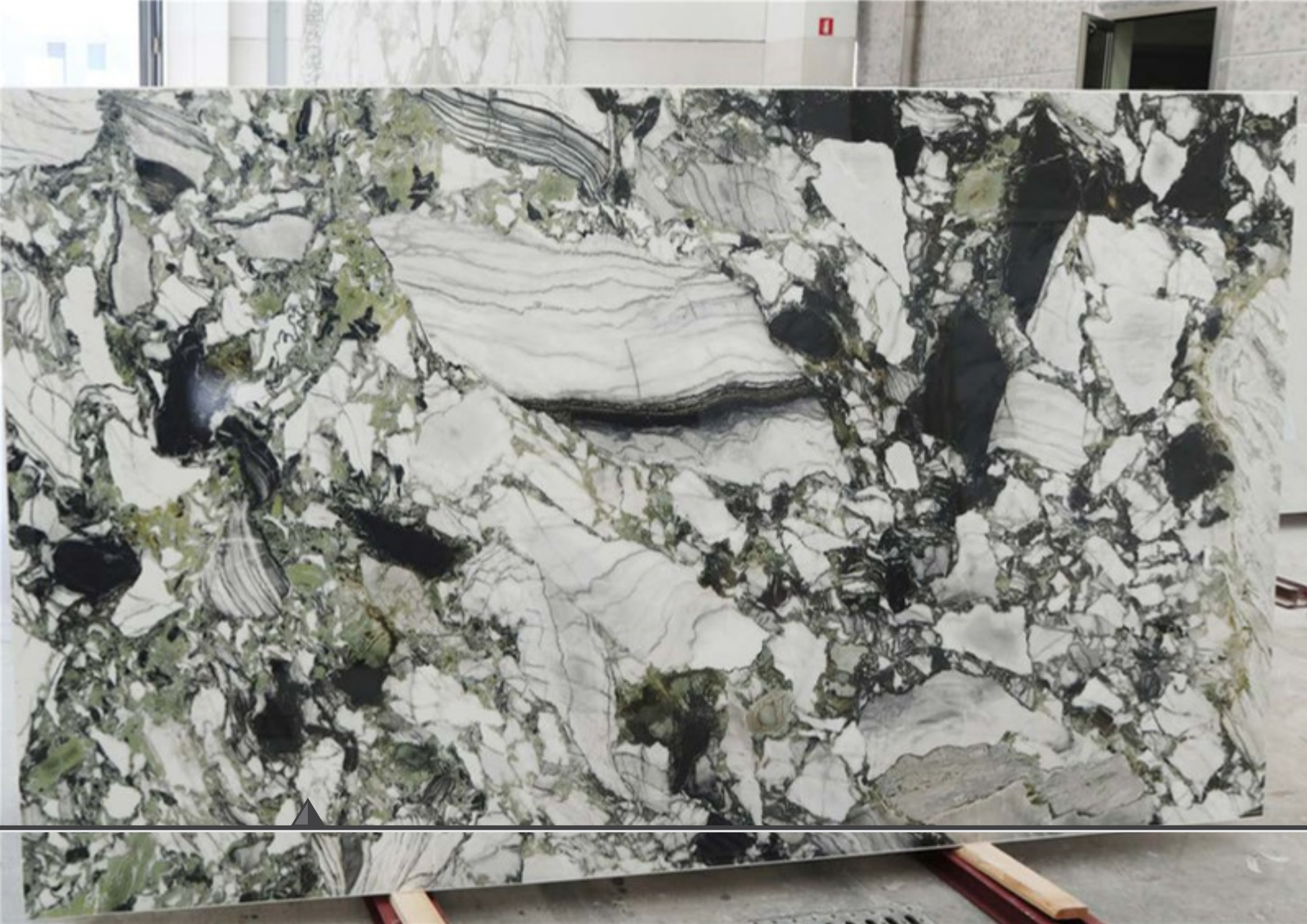


Elm Surfaces - CREMO DELICATO





Elm Surfaces - BASALTINA





Elm Surfaces - WHITE BEAUTY







Elm Surfaces - PIETRA GREY





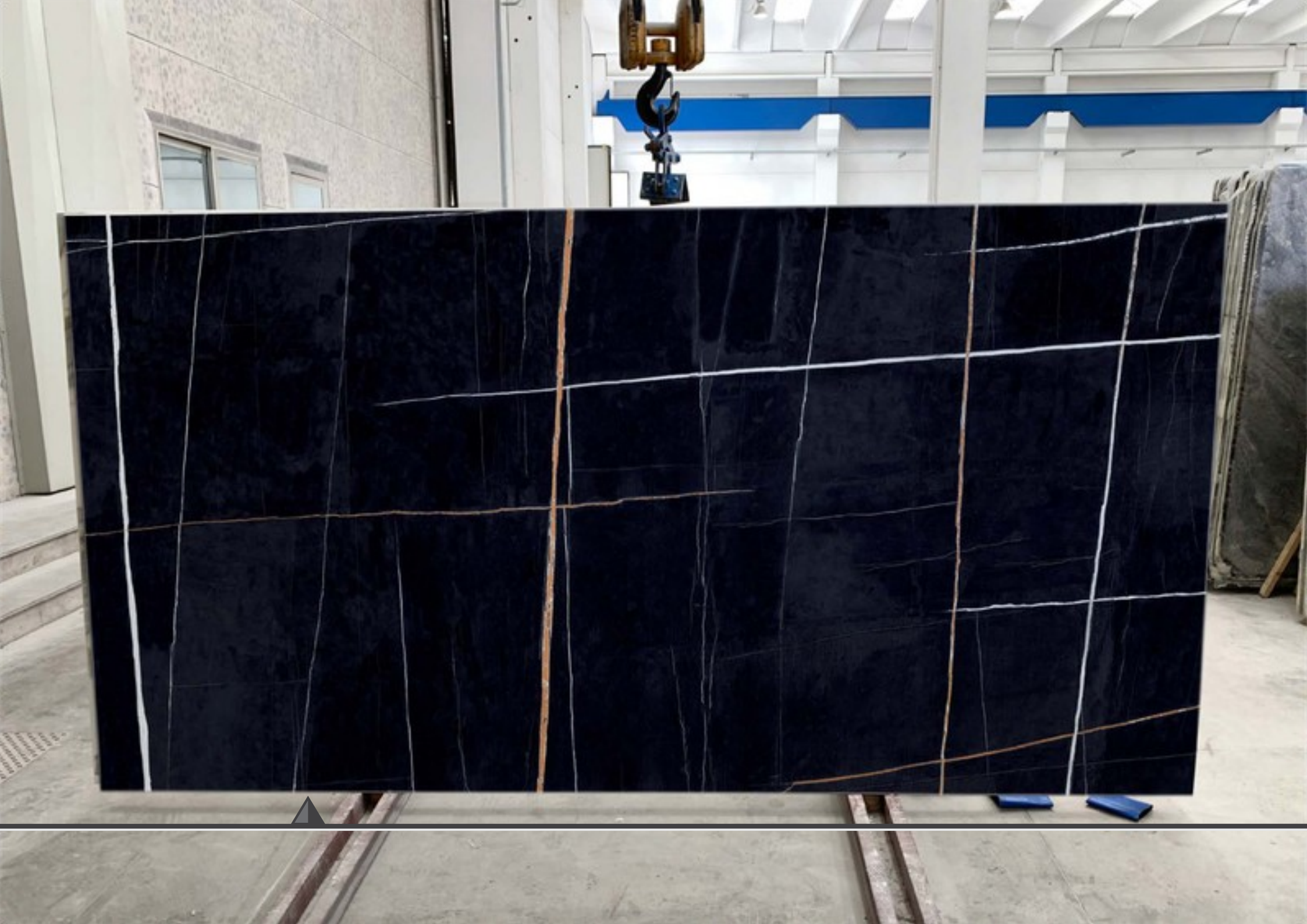
Elm Surfaces - CEPPOGREY







Elm Surfaces - ARABESCATO CORCHIA





Elm Surfaces - SAHARA NOIR







Elm Surfaces - TRAVERTINO SILVER





Elm Surfaces - BIANCO RHINO







Elm Surfaces - DOLOMITE EXTRA





Elm Surfaces - PALISSANDRO BLUETTE

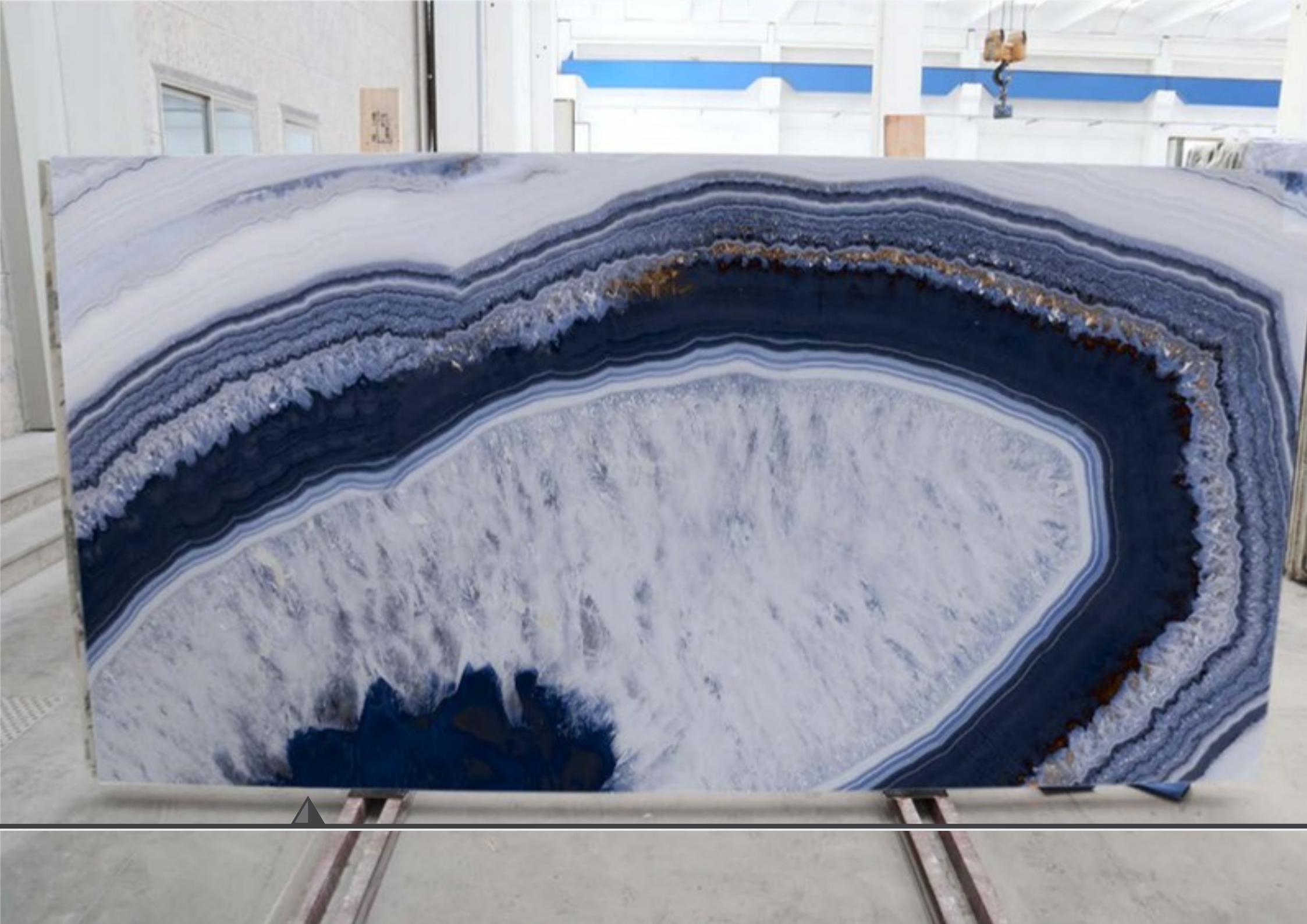


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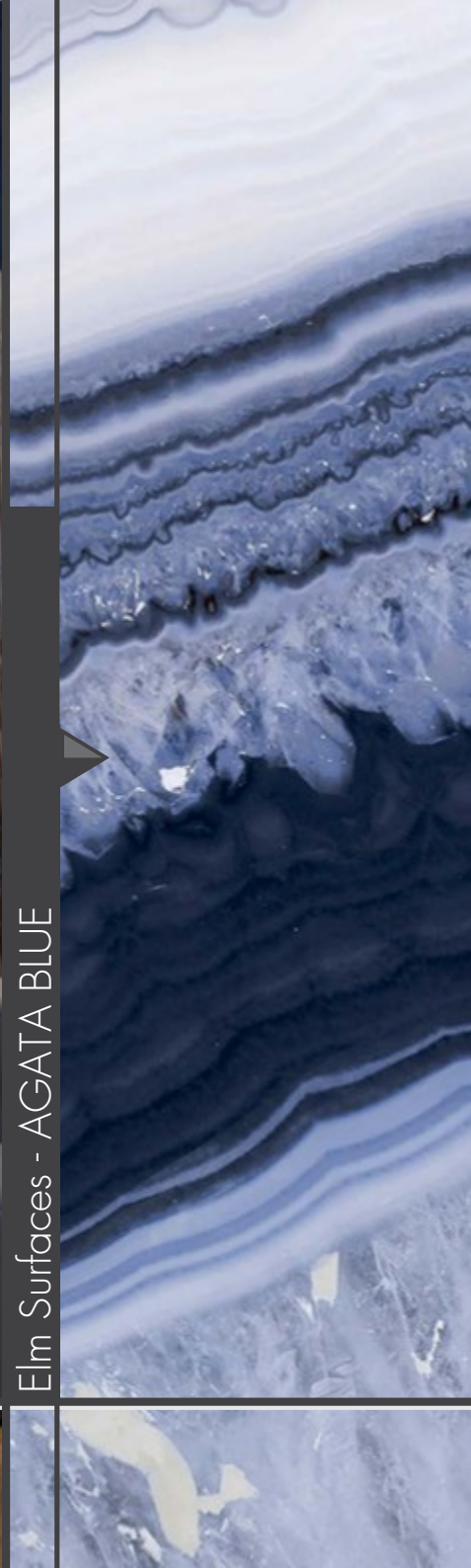
▶ **Elm Surfaces Aeagen® - Luxury Collection**

Elm Surfaces Aeagen® Luxury Collection is an innovative range of fine porcelain surfaces, designed to pair the superior technical characteristics of our porcelain surfaces with the striking colors of the most exotic materials.





Elm Surfaces - AGATA BLUE







Elm Surfaces - BAOBAB SODALITE







Elm Surfaces - CRISTALLO WHITE







Elm Surfaces - IRISH GREEN





Elm Surfaces - PANDA WHITE





Elm Surfaces - NOIR GRAND ANTIQUE



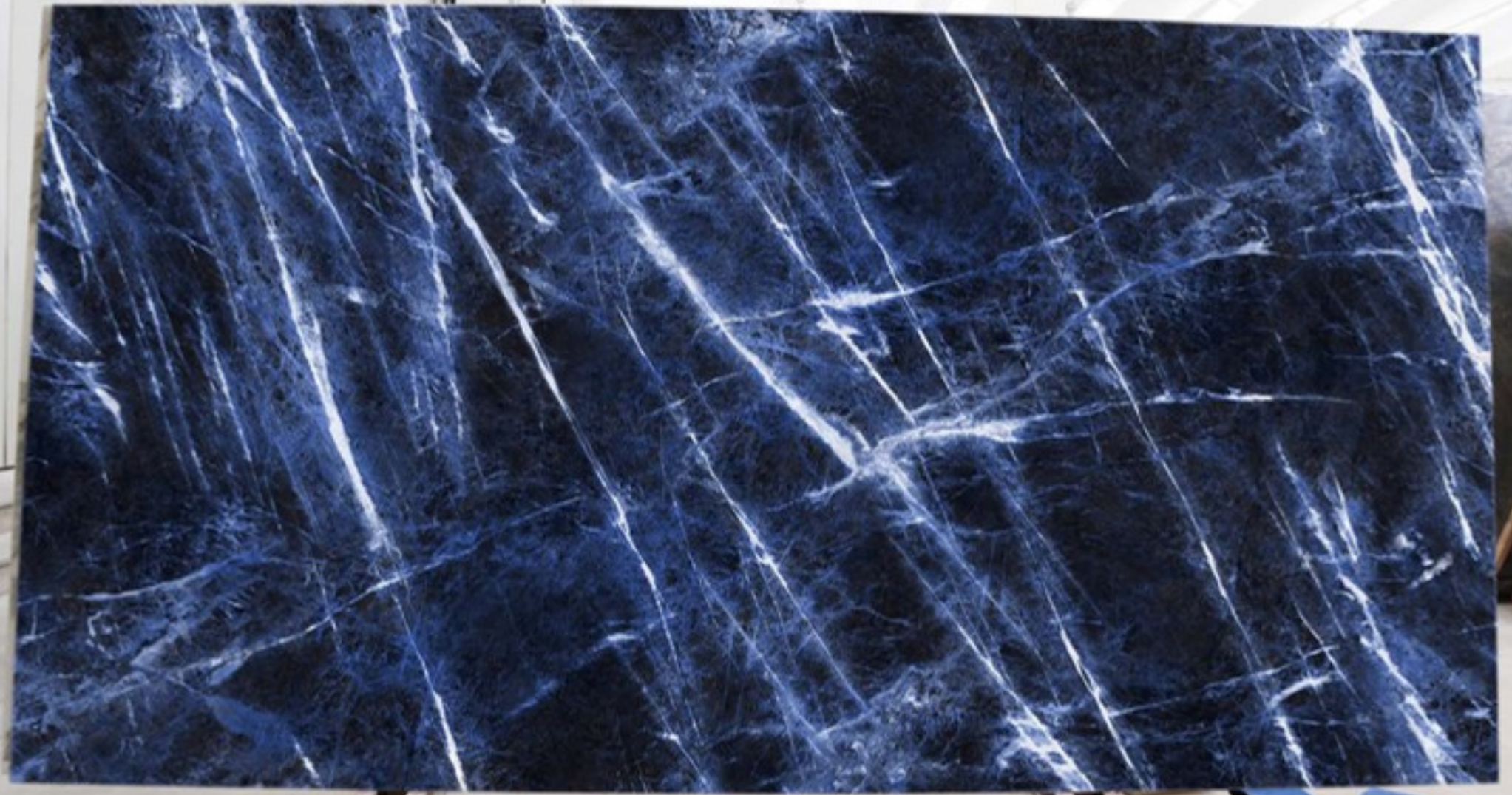


Elm Surfaces - ONYX WHITE





Elm Surfaces - PATAGONIA WHITE





Elm Surfaces - SODALITE BLUE



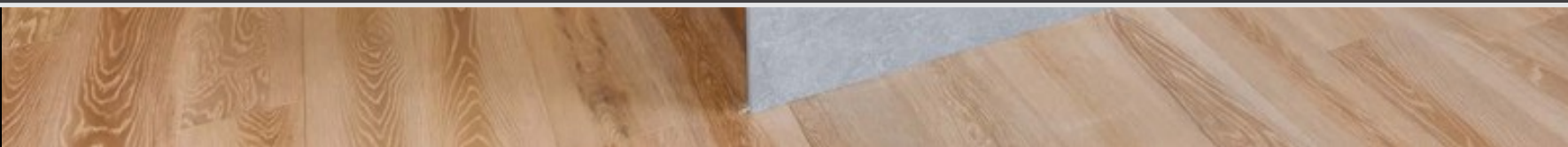


Elm Surfaces - COTE D'AZUR





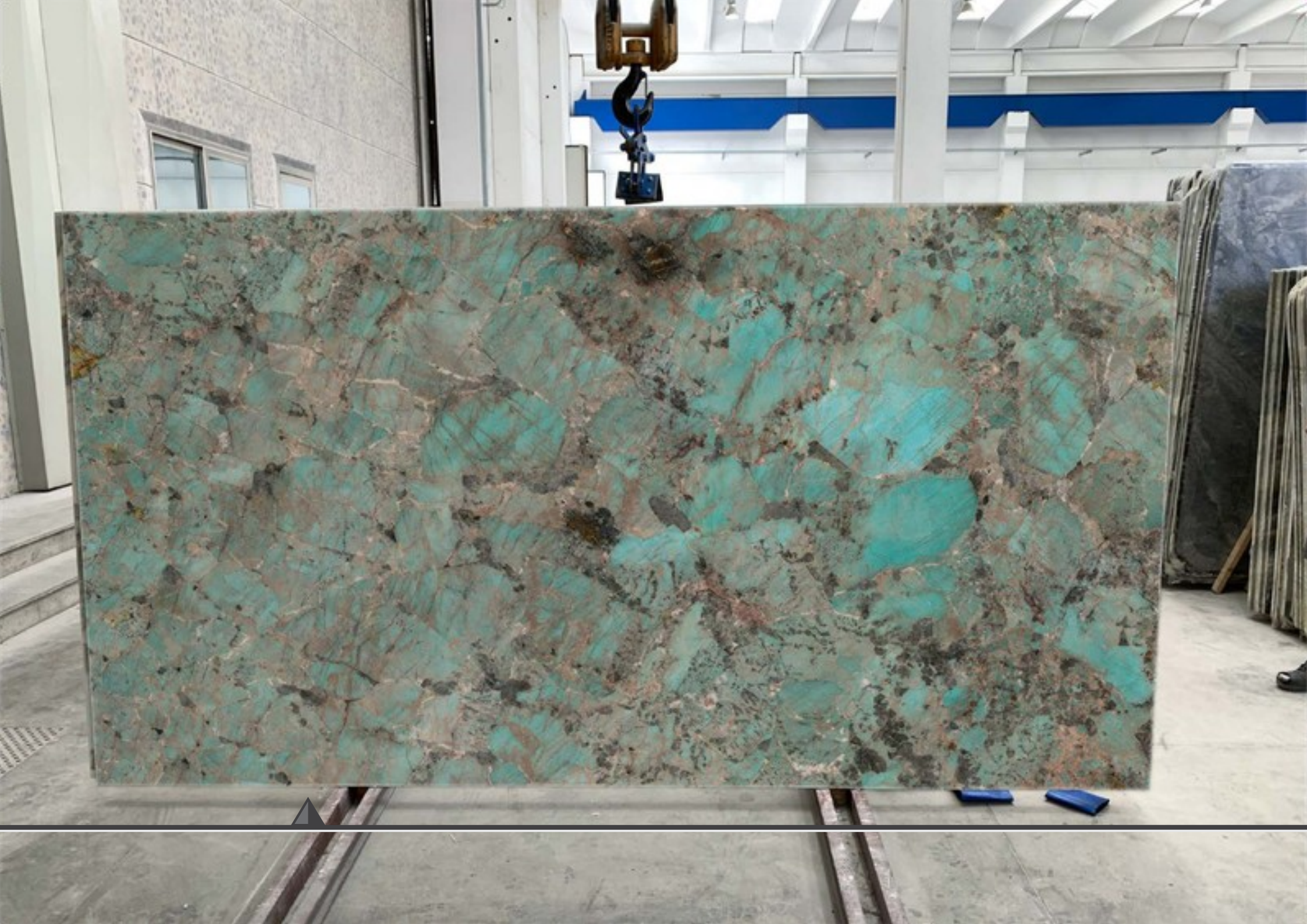
Elm Surfaces - BLUE DE SAVOIE





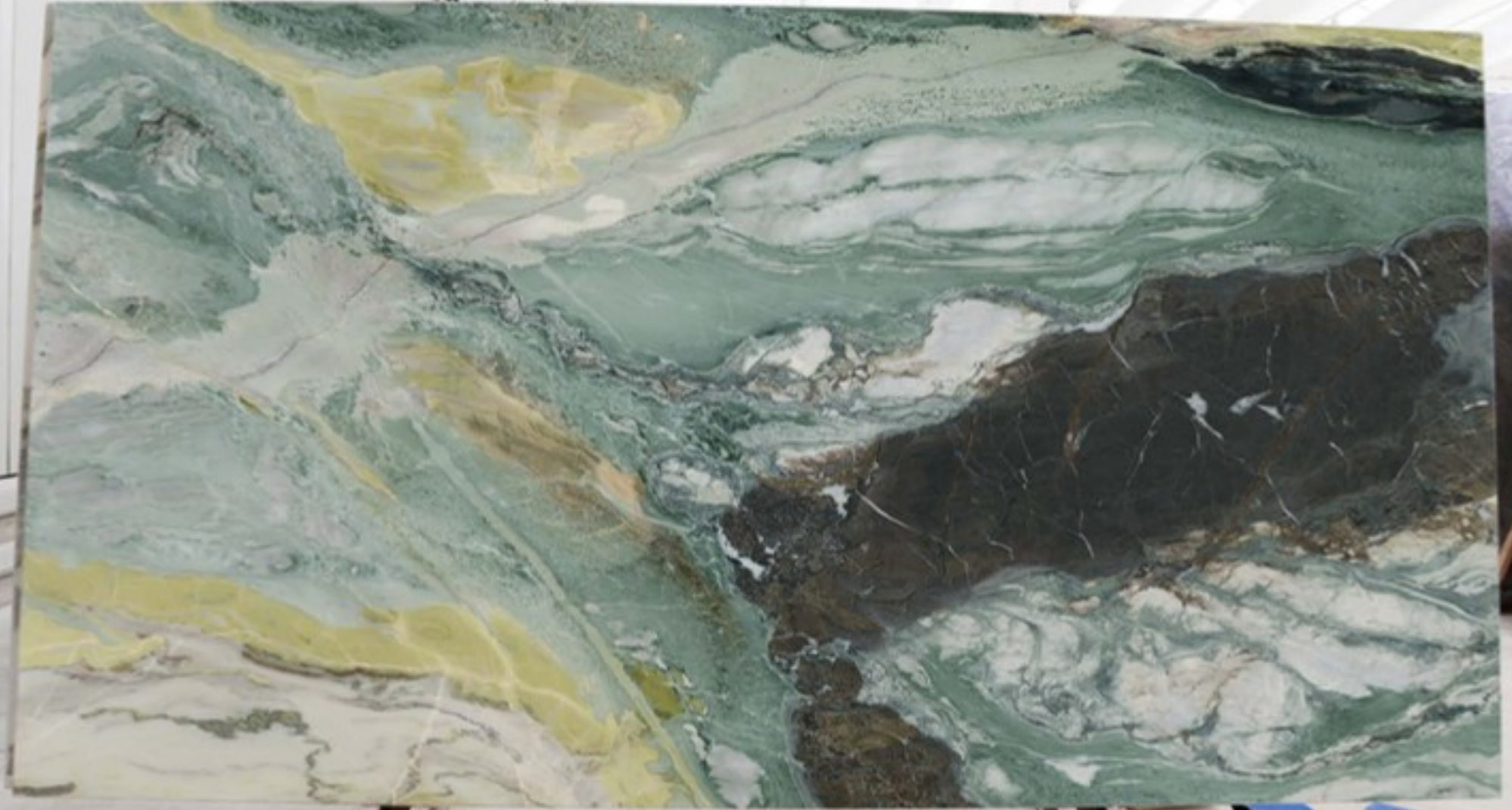


Elm Surfaces - COTE D'AZUR













Elm Surfaces - COTE D'AZUR





Elm Surfaces - COTE D'AZUR

COMPARISONS

	Elm Surfaces PORCEL AIN	QUARTZ AGGLOMERATES	LAMINATES AND WOOD	NATURAL STONES
 safe for contact with food	• • •	• • •	•	•
 water & moisture proof	• • •	• • •	• •	•
 stainproof	• • •	• •	• •	•
 mould proof	• • •	• • •	• •	•
 chemical resistant	• •	• •	•	•
 scratch and impact resistant	• •	• •	• •	•
 uv resistant	•	• •	• •	•
 heat / frost resistant	• •	• •	• •	•

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TECHNICAL DATA

Porcelainstonewareslabs - GruppeBlaUGL(UNI EN 14411_6)	Established limitsM	editerraneo values	Norms
Length and width	± 0,6%	± 0,9 mm	UNI EN ISO 10545-2
Thickness	± 5%	± 3%	
Edge straightness	± 0,5%	± 0,6 mm	
Rectangularity±	0,6%±	2 mm	
Planarity	± 0,5%	Compliant	
Surface quality	■ 95%	Compliant	
Water Absorption	■ 0,2%	■ 0,2%	UNI EN ISO 10545-3
	-0	,1% average value	ASTM C373
Bending strengthM	odulus of rupture		
	■ 20 N/mm²	■ 20 N/mm²	UNI EN ISO 10545-4
Frost resistance	Resistant	Frost proof	UNI EN ISO 10545-12
Resistance to thermal shock	Resistant	Resistant	UNI EN ISO 10545-9
Deep abrasion resistance	■ 100 mm²	■ 100 mm²	UNI EN ISO 10545-6
Colour resistance to light exposure	Resistant	Resistant	DIN 51094
Chemical resistance	UB minimum	UA; ULA; UHA	UNI EN ISO 10545-13
Stain resistance	Class 3 minimum	Class 3-5	UNI EN ISO 10545-14
Fire reaction	Resistant	Resistant	EN 13501 (rev. 2005)

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CERTIFICATIONS

	Elm Surfaces ValueN	norms / Test method
	Polished 12 mm	
Density	2300 kg/m ³ average value	EN 14617-1 - ASTM C97
Water Absorption	0,1 % average value	EN 14617-1
Bending strength	50 MPa average value	EN 14617-2
Frost resistance	Resistant	EN 14617-5
Dry heat resistance	5 No visible effect till 200°C	EN 12722 EN 438-2 par. 16
Chemical resistance	From class A to C Resistant (except ink and methylene blue)	ISO 10545-13 ASTM C650
Cold liquid resistance	From class 5 to 2	EN 12720
Cleaner product resistance	From class 5 to 3	PTP 53 CATAS
Abrasion resistance	28,0 mm	EN 14617-4
Hygiene properties	Excellent (high degree of removal of bacterial cells >99% after cleaning with a biocide-free detergent)	Metodo CATAS
Resistance to fungus	No fungal growth	ASTM G21
Lead and cadmium given off	0 mg/dm ²	ISO 10545-15

Overall migration	0 mg/dm ² 0 mg/dm ² no significant migration	UNI EN 1186
VOC emission	class A+ French	UNI EN 16000-9
Shock resistance	No damage to ball drop 400mm 3 J average value	ISO 4211-4 EN 14617-9
Light resistance	5 No visible effect	UNI EN 15187
Thermal shock resistance	Resistant	EN 14617-6
Resistance to staining	Resistant (except potassium hydroxide)	ASTM C1378



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