

ASTALE

Nature inspiring innovation



THE MATERIAL BOOK /

ASCALE

Nature inspiring innovation



Thickness

3 mm / 6 mm / 12 mm / 20 mm

Finish

Polished • Matt • Feel • Velvet | *Vein*-touch & 

Size

100 x 300 cm / 120 x 280 cm / 160 x 320 cm / 162 x 324 cm

Ascale's sintered stone surpasses the limitations of traditional materials, making it the ideal choice for any type of cladding or surface. It offers a versatile, lightweight, and large-format design (162 x 324 cm in thicknesses of 12 and 20 mm, 160 x 320 cm / 120 x 280 cm in thickness of 6 mm and 100 x 300 cm in thickness of 3 mm).

Ascale is the result of combining 100% natural mineral elements through pressure and heat, creating a functional and aesthetically exceptional surface that blends the beauty of natural stone with the strength and durability of sintered stone. A balance between nature and performance.

La piedra sinterizada de Ascale supera las limitaciones de los materiales tradicionales, haciéndolo el material ideal para cualquier tipo de revestimiento y superficie. Ofrece un diseño versátil, ligero y de gran formato (162 x 324 cm en espesores de 12 y 20 mm, 160 x 320 cm / 120x280 cm en espesor de 6 mm y 100 x 300 cm en espesor de 3 mm).

Ascale es el resultado de la combinación de elementos minerales 100% naturales mediante presión y temperatura, logrando una superficie funcional y estéticamente excepcional que combina la estética de la piedra natural con la resistencia y durabilidad de la piedra sinterizada. Un equilibrio entre la naturaleza y el rendimiento.

La pierre frittée Ascale repousse les limites inhérentes aux matériaux habituels, se révélant un choix idéal pour tout type de revêtement ou de surface. Ascale offre un design polyvalent, léger et grand format (162 x 324 cm en épaisseurs de 12 et 20 mm, 160 x 320 cm / 120 x 280 cm en épaisseur de 6 mm et 100 x 300 cm en épaisseur de 3 mm).

Ascale est le résultat de la combinaison d'éléments minéraux 100 % naturels, soumis à la pression et à la chaleur, pour créer une surface fonctionnelle et esthétiquement exceptionnelle, alliant la beauté de la pierre naturelle à la résistance et à la durabilité de la pierre frittée.

Die gesinterte Steinplatte von Ascale überwindet die Grenzen traditioneller Materialien und ist damit das ideale Material für jede Art von Verkleidung und Oberfläche. Sie bietet ein vielseitiges, leichtes Design im Großformat (162 x 324 cm in 12 und 20 mm Stärke, 160 x 320 cm / 120 x 280 cm in 6 mm Stärke und 100 x 300 cm in 3 mm Stärke).

Ascale ist das Ergebnis der Verbindung von 100 % natürlichen Mineralien, die unter Druck und Hitze zu einer funktionalen und ästhetisch außergewöhnlichen Oberfläche verschmolzen werden. So entsteht ein Material, das die Optik von Naturstein mit der Widerstandsfähigkeit und Langlebigkeit von gesintertem Stein vereint.



Ascale has an environmental management system in place to identify and minimize the impact of its operations on air emissions, wastewater, waste, and noise pollution.

Our commitment is backed by ISO 14001 certification, which attests to the effectiveness of our environmental management system in line with the most stringent international standards, with production processes focused on preventing and reducing environmental impact at every stage of our activity.

Ascale also holds a Carbon Footprint certificate, enabling us to measure and control our greenhouse gas emissions — a significant step towards more sustainable and low-carbon production.

Ascale cuenta con un sistema de gestión ambiental para identificar y minimizar el impacto de sus operaciones sobre las emisiones atmosféricas, aguas residuales, residuos y contaminación acústica.

Nuestro compromiso se ve respaldado por la certificación ISO 14001, que acredita la eficacia de nuestro sistema de gestión ambiental conforme a los estándares internacionales más exigentes.

Ascale dispone del certificado de Huella de Carbono, que nos permite medir y controlar nuestras emisiones de gases de efecto invernadero, siendo un gran paso hacia una producción más sostenible y baja en carbono.

Ascale dispose d'un système de gestion environnementale permettant d'identifier et de minimiser l'impact de ses activités sur les émissions atmosphériques, les eaux usées, les déchets et la pollution sonore.

Notre engagement est soutenu par la certification ISO 14001, qui atteste de l'efficacité de notre système de gestion environnementale selon les normes internationales les plus rigoureuses.

Ascale est également titulaire du certificat d'empreinte carbone, qui nous permet de mesurer et de contrôler nos émissions de gaz à effet de serre — une avancée majeure vers une production plus durable et à faible émission de carbone.

Ascale verfügt über ein Umweltmanagementsystem, um die Auswirkungen seiner Tätigkeiten auf Luftemissionen, Abwasser, Abfall und Lärmbelästigung zu ermitteln und zu minimieren.

Unser Engagement wird durch die Zertifizierung nach ISO 14001 bestätigt, die die Wirksamkeit unseres Umweltmanagementsystems gemäß den strengsten internationalen Standards bescheinigt.

Ascale verfügt über das Carbon Footprint-Zertifikat, das es uns ermöglicht, unsere Treibhausgasemissionen zu messen und zu kontrollieren, was ein großer Schritt in Richtung einer nachhaltigeren und kohlenstoffärmeren Produktion ist.

Certificates:



Applying criteria of continuous improvement, we conduct internal waste recovery and implement selective waste collection of materials such as cardboard, plastic or wood.

Ascale is committed to the optimisation of water management, based on the principles of reuse and optimisation in the different processes.

It is also committed to the endless application of energy efficiency criteria in its facilities and activities.

Aplicando criterios de mejora continua, llevamos a cabo una revalorización interna de los residuos y una recogida selectiva de los mismos como cartón, plástico o madera.

Ascale está comprometida con la optimización en la gestión del agua, basada en los principios de reutilización y optimización de esta en los diferentes procesos.

Además, apuesta por la aplicación constante de criterios de eficiencia energética en sus instalaciones y actividades.

Un compromiso que se traduce en la adopción de prácticas ambientales orientadas a la reducción del impacto ambiental.

Selon des critères d'amélioration continue, nous assurons une récupération des déchets et une collecte sélective de matériaux tels que le carton, le plastique ou le bois.

Ascale s'engage à optimiser la gestion de l'eau, en se basant sur les principes de réutilisation et d'optimisation dans les différents processus.

De plus, elle mise sur l'application constante de critères d'efficacité énergétique dans ses installations et activités.

Unter Anwendung von Kriterien der kontinuierlichen Verbesserung führen wir eine interne Wiederverwertung von Abfällen sowie eine getrennte Sammlung von Materialien wie Karton, Kunststoff oder Holz durch.

Ascale verpflichtet sich zur Optimierung des Wassermanagements auf der Grundlage der Prinzipien der Wiederverwendung und Optimierung in den verschiedenen Prozessen.

Darüber hinaus setzt das Unternehmen auf die kontinuierliche Anwendung von Kriterien der Energieeffizienz in seinen Anlagen und Aktivitäten.



Advantages:



● LIGHTNESS / LIGEREZA / LÉGÈRETÉ / LEICHTIGKEIT



● MADE IN EU / FABRICADO EN / FABRIQUÉ EN / HERGESTELLT IN



● WATERPROOF / IMPERMEABLE / IMPERMÉABILITÉ / WASSERDICHT



● CUT RESISTANCE / RESISTENCIA AL CORTE / RÉSISTANCE AU CISAILLEMENT / SCHERFESTIGKEIT



● RECYCLED / RECICLADO / RECYCLAGE/ RECYCLING



● LARGE FORMAT / GRAN FORMATO / GRAND FORMAT / GROSSES FORMAT



● 100% NATURAL / 100% NATURAL / 100% NATUREL / 100% NATÜRLICH



● UV RESISTANCE / RESISTENCIA RAYOS UV / RÉSISTANCE AUX UV / UV-BESTÄNDIGKEIT



● HIGH RESISTANCE / ALTA RESISTENCIA / HAUTE RÉSISTANCE / HOHE WIDERSTANDSFÄHIGKEIT



● HYGIENIC / HIGIÉNICO / HYGIÉNIQUE / HYGIENISCH



● LOW TEMPERATURES RESISTANCE / RESISTENCIA A BAJAS TEMPERATURAS / RÉSISTANCE AUX BASSES TEMPÉRATURES / NIEDRIGE TEMPERATURBESTÄNDIGKEIT



● HIGH TEMPERATURES RESISTANCE / RESISTENCIA A ALTAS TEMPERATURAS / RÉSISTANCE AUX HAUTES TEMPÉRATURES / HOHE TEMPERATURBESTÄNDIGKEIT



● STAIN RESISTANCE / ANTIMANCHAS / ANTI-TACHES / FLECKENBESTÄNDIG



EASY-cut

DREAM **BIGGER**, CUT **SIMPLE**





	SIZES (cm)					FINISHES					
	100x300	120x280	160X320	162X324	162x324	MATT	FEEL	POLISHED	VELVET	Vein-touch	SD
	3mm	6mm	6mm*	12 mm*	20 mm						
ALLURE BLACK			•	•	•				•		
ALPI WHITE		•	•	•	•			•	•		
AMAYA LINEN		•	•	•	•		•				
AMAZONITE			•	•				•	•		
ANTALYA SAND			•	•	•		•				
APPENNINO GOLD			•	•	•		•				
ARIZONA SAND		•	•	•	•	•					
ARMANI SILVER		•	•	•	•				•		
AURA LUX WHITE		•	•	•	•			•			•
BELVEDERE		•	•	•	•			•	•		
BOREAL SAND			•	•	•		•				
BOREAL UMBER			•	•			•				
CEPPO DI GRE			•	•	•		•				
COSMOPOLITA BROWN		•		•	•	•					
COSMOPOLITA DARK				•	•	•					
COSMOPOLITA GRAY	•	•	•	•	•	•					
COSMOPOLITA IVORY		•	•	•	•	•					
COSMOPOLITA LIGHT		•		•	•	•					
COSMOPOLITA SILVER			•	•	•	•					
CROTONE PULPIS		•	•	•	•				•		
CRYSTAL LUX WHITE			•	•				•			•
DUCAL GOLD		•	•	•	•			•	•		
ETNA BLACK		•	•	•	•	•					
FORESTA BLUE		•		•	•						•
GRASSI WHITE			•	•	•				•		
GRUM BLACK		•	•	•	•	•					
LABRADORITE		•	•	•				•	•		
LASA		•	•	•	•			•	•		
LAURENT			•	•	•	•		•			
LUCCA GOLD	•		•	•	•			•			•
MACCHIA-VECCHIA			•	•	•			•			•
MARQUINA		•	•	•				•	•		
MONTBLANC			•	•	•						•
MOON BLACK	•	•	•	•	•		•				
MYSTIC SILVER			•	•				•			•
NEBULA BROWN	•	•	•	•	•		•				

*With mesh / malla

	SIZES (cm)					FINISHES					
	100x300	120x280	160X320	162X324	162x324	MATT	FEEL	POLISHED	VELVET	Vein-touch	SD
	3mm	6mm	6mm*	12 mm*	20 mm						
NEW TORANO STATUARIO			•	•	•			•			•
ONICE BLACK		•	•	•	•			•	•		
ONICE BLUE			•	•				•			•
ONICE LUX WHITE		•	•	•	•			•			•
ONICE SEAGREEN			•	•				•			•
PALOMASTONE	•	•	•	•	•	•					
PATAGONIA			•	•	•		•	•			
PIERRE BLEUE			•	•	•		•				
PORTLAND LINEN			•	•	•		•				
PORTLAND PEARL			•	•	•		•				
SAVANNA TERRA			•	•	•		•				
TAJ MAHAL		•	•	•	•			•			•
TIVOLI WHITE	•	•	•	•	•		•				
URBAN WHITE	•	•	•	•	•	•					
VAGLI GOLD			•	•	•			•	•		

ALLURE BLACK
Bookmatch design

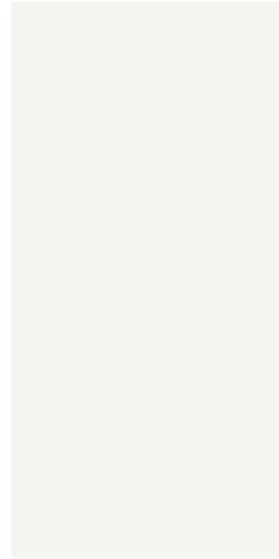


Velvet

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)

ALPI WHITE
One design



Polished, Velvet

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)
120x280 cm (6 mm)

AMAYA LINEN
Multiface design



Feel

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)
120x280 cm (6 mm)

AMAZONITE
Bookmatch design



Polished, Velvet

6 | 12 mm

162x324 cm (12 mm)
160x320 cm (6 mm)

AURA LUX WHITE
Bookmatch design



Polished, Velvet 

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)
120x280 cm (6 mm)

BELVEDERE
Multiface design



* Polished, Velvet

* 6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)
120x280 cm (6 mm)
*Only available in 120x280 cm

BOREAL SAND
Multiface design



Feel

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)

BOREAL UMBER
Multiface design



Feel

6 | 12 mm

162x324 cm (12 mm)
160x320 cm (6 mm)

ANTALYA SAND
One design



Feel

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)

APPENNINO GOLD
Bookmatch design



Feel

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)

ARIZONA SAND
Multiface design



Matt

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)
120x280 cm (6 mm)

ARMANI SILVER
Multiface design



Velvet

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)
120x280 cm (6 mm)

CEPPO DI GRE
Multiface design



Feel

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)

COSMOPOLITA BROWN
Multiface design



Matt

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
120x280 cm (6 mm)

COSMOPOLITA DARK
Multiface design



Matt

12 | 20 mm

162x324 cm (12 / 20 mm)

COSMOPOLITA GRAY
Multiface design



Matt

3 | 6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)
120x280 cm (6 mm)
100x300 cm (3 mm)

COSMOPOLITA IVORY
Multiface design



Matt

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)
120x280 cm (6 mm)

COSMOPOLITA LIGHT
Multiface design



Matt

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
120x280 cm (6 mm)

COSMOPOLITA SILVER
Multiface design



Matt

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)

CROTONE PULPIS
Multiface design



Velvet

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)
120x280 cm (6 mm)

GRASSI WHITE
Bookmatch design



Velvet

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)

GRUM BLACK
One design



Matt

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)
120x280 cm (6 mm)

LABRADORITE
Multiface design



Polished, Velvet

6 | 12 mm

162x324 cm (12 mm)
160x320 cm (6 mm)
120x280 cm (6 mm)

LASA
Bookmatch design



Polished, Velvet

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)
120x280 cm (6 mm)

CRYSTAL LUX WHITE
Bookmatch design



Polished, Velvet *vein-touch*

6 | 12 mm

162x324 cm (12 mm)
160x320 cm (6 mm)

DUCAL GOLD
Endmatch design



Polished, Velvet

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)
120x280 cm (6 mm)

ETNA BLACK
Multiface design



Matt

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)
120x280 cm (6 mm)

FORESTA BLUE
Bookmatch design

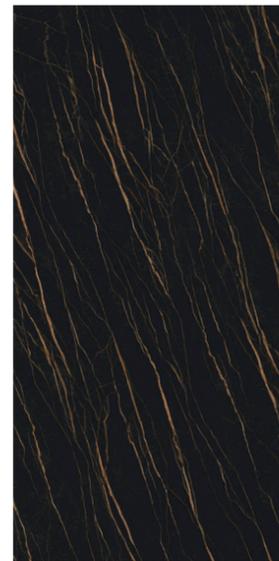


Velvet *vein-touch*

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
120x280 cm (6 mm)

LAURENT
Multiface design



Polished, Matt

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)

LUCCA GOLD
Bookmatch design



Polished, Velvet *vein-touch*

3 | 6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)
100x300 cm (3 mm)

MACCHIA VECCHIA
Bookmatch design

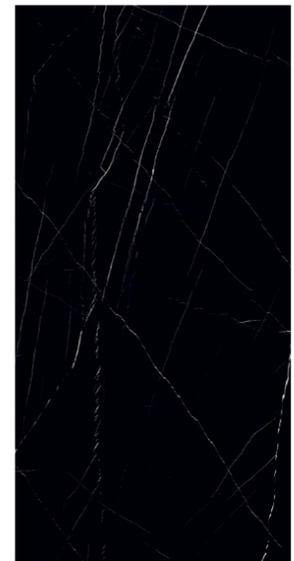


Polished, Velvet *vein-touch*

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)

MARQUINA
Bookmatch design



Polished, Velvet

6 | 12 mm

162x324 cm (12 mm)
160x320 cm (6 mm)
* 120x280 cm (6 mm)
* Only available in Velvet

MONTBLANC

Bookmatch design



Velvet *vein*-touch

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)

MOON BLACK

Multiface design



Feel

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)
120x280 cm (6 mm)
100x300 cm (3 mm)

MYSTIC SILVER

Bookmatch design



Polished, Velvet 

6 | 12 mm

162x324 cm (12 mm)
160x320 cm (6 mm)

NEBULA BROWN

Bookmatch design



Feel

3 | 6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)
120x280 cm (6 mm)
100x300 cm (3 mm)

ONICE SEAGREEN

Bookmatch design



Polished, Velvet *vein*-touch

6 | 12 mm

162x324 cm (12 mm)
160x320 cm (6 mm)

PALOMASTONE

Multiface design



Matt

3 | 6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)
120x280 cm (6 mm)
100x300 cm (3 mm)

PATAGONIA

Bookmatch design



Polished, Feel

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)

PIERRE BLEUE

One design



Feel

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)

NEW TORANO STATUARIO

Bookmatch design



Polished, Velvet *vein*-touch

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)

ONICE BLACK

Bookmatch design



Polished, Velvet

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)
120x280 cm (6 mm)

ONICE BLUE

Bookmatch design



Polished, Velvet *vein*-touch

6 | 12 mm

162x324 cm (12 mm)
160x320 cm (6 mm)

ONICE LUX WHITE

Bookmatch design



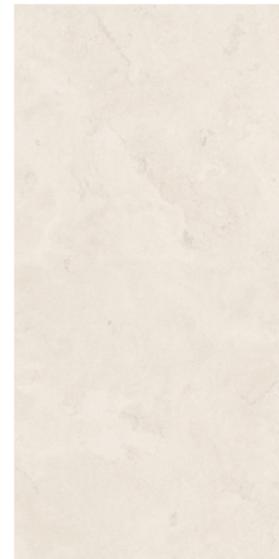
Polished, Velvet *vein*-touch

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)
120x280 cm (6 mm)

PORTLAND LINEN

Multiface design



Feel

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)

PORTLAND PEARL

Multiface design



Feel

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)

SAVANNA TERRA

Bookmatch design



Feel

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)

TAJ MAHAL

Multiface design



Polished, Velvet *vein*-touch

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)
120x280 cm (6 mm)

TIVOLI WHITE
Multiface design



Feel

3 | 6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)
120x280 cm (6 mm)
100x300 cm (3 mm)

URBAN WHITE
Multiface design



Matt

3 | 6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)
120x280 cm (6 mm)
100x300 cm (3 mm)

VAGLI GOLD
Bookmatch design



Polished, Velvet

6 | 12 | 20 mm

162x324 cm (12 / 20 mm)
160x320 cm (6 mm)



Explore our collections

BODYTECH LUXURY MARBLE STONE
CEMENT NATURA ESSENTIAL



MULTIFACE

One material, multiple expressions.

BOOKMATCH

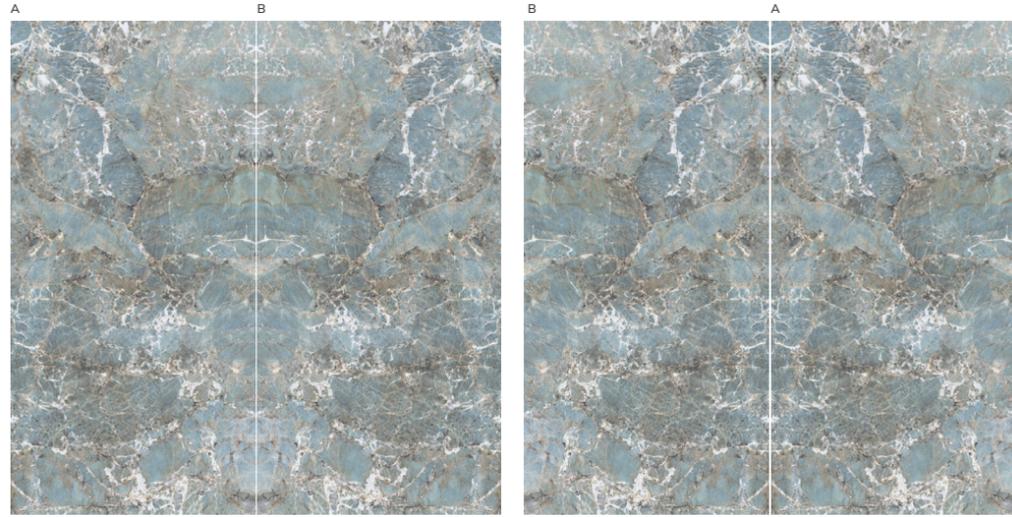
Two slabs facing each other, reflecting the same veining symmetrically.

ENDMATCH

The veining flows from one slab to the next.

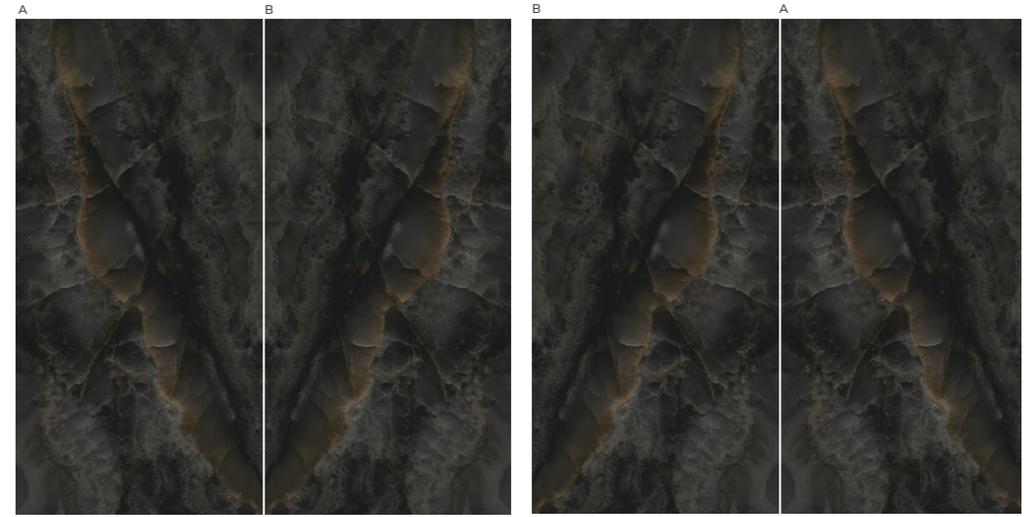
AMAZONITE

Bookmatch design



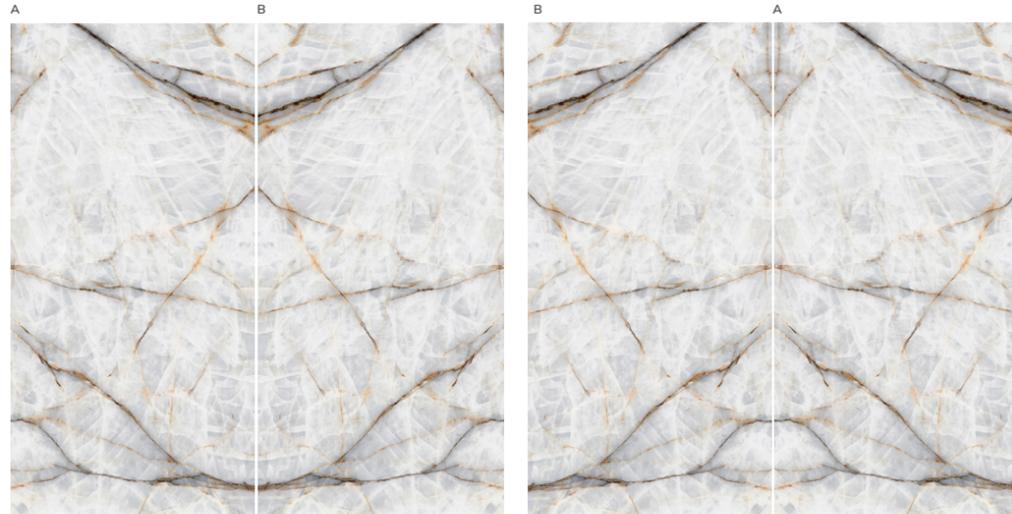
ONICE BLACK

Bookmatch design



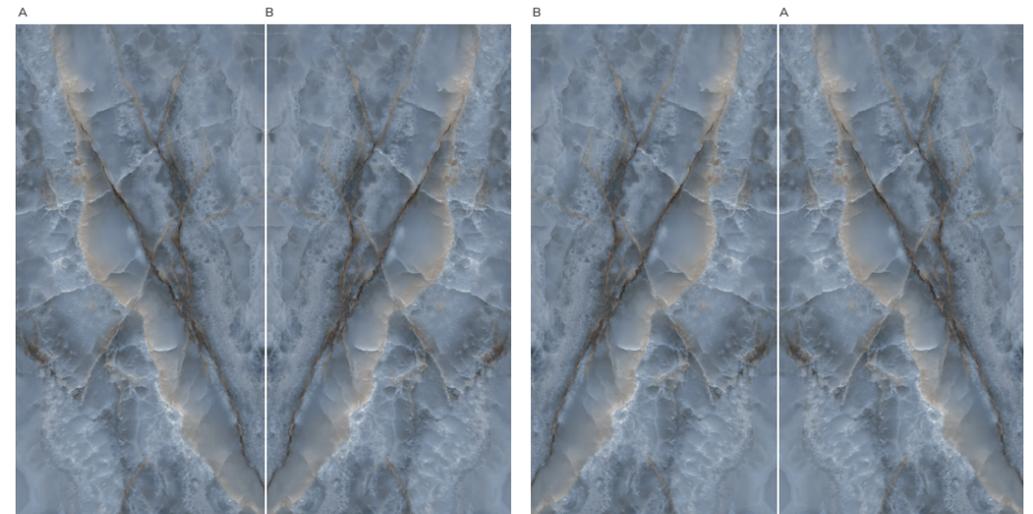
AURA LUX WHITE

Bookmatch design



ONICE BLUE

Bookmatch design



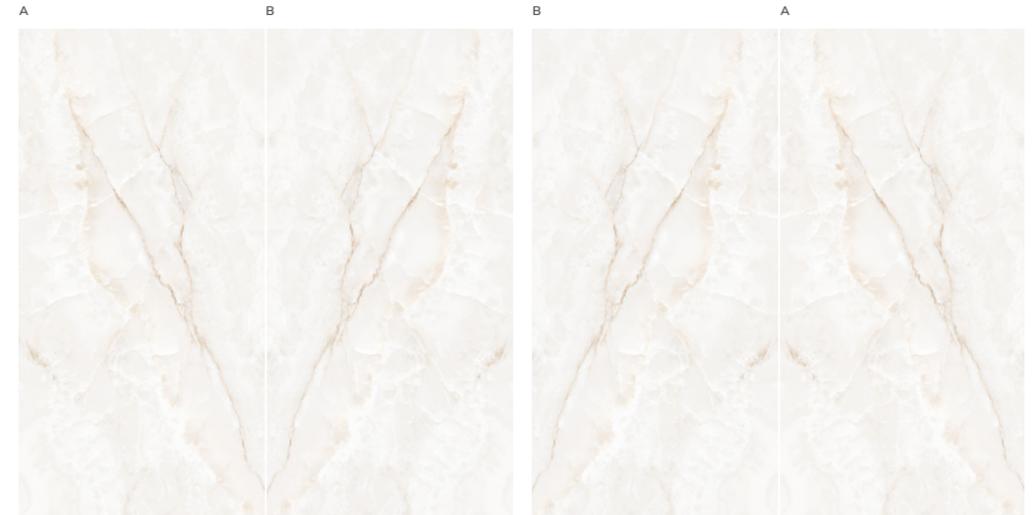
MYSTIC SILVER

Bookmatch design

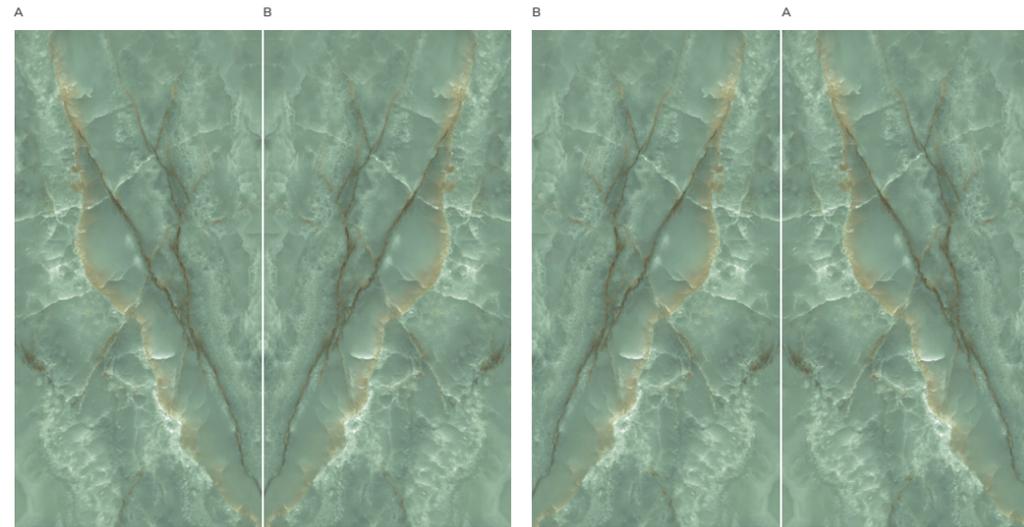


ONICE LUX WHITE

Bookmatch design

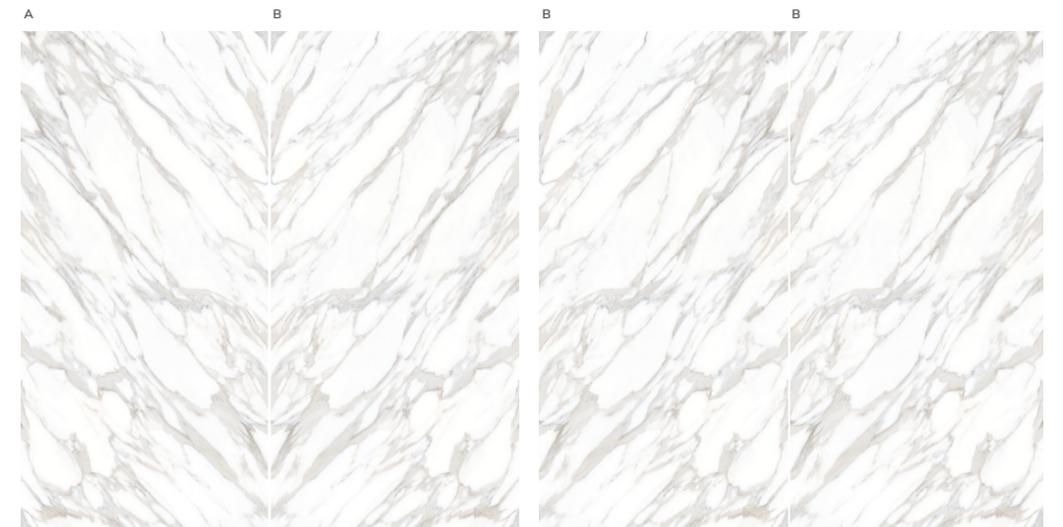


ONICE SEAGREEN



Bookmatch design

DUCAL GOLD



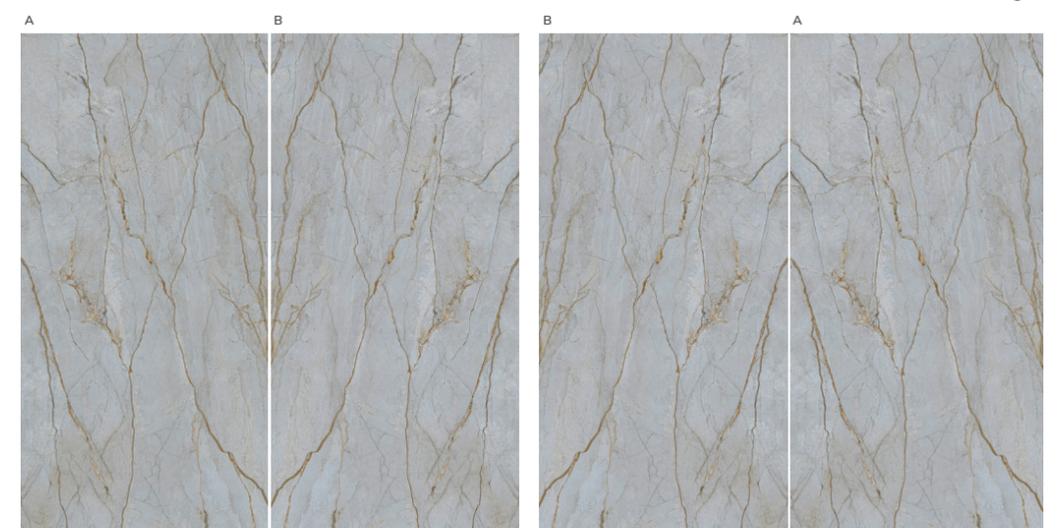
Endmatch design

PATAGONIA



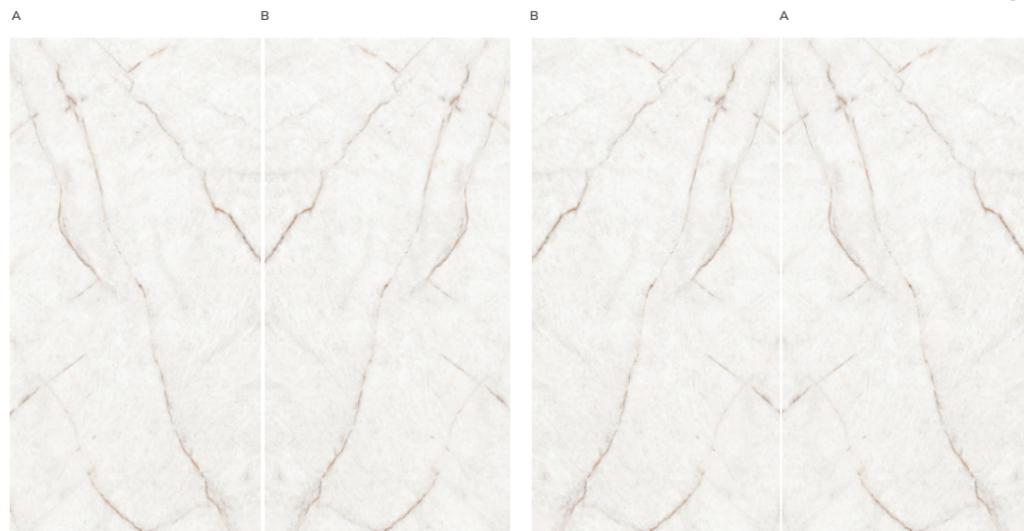
Bookmatch design

FORESTA BLUE



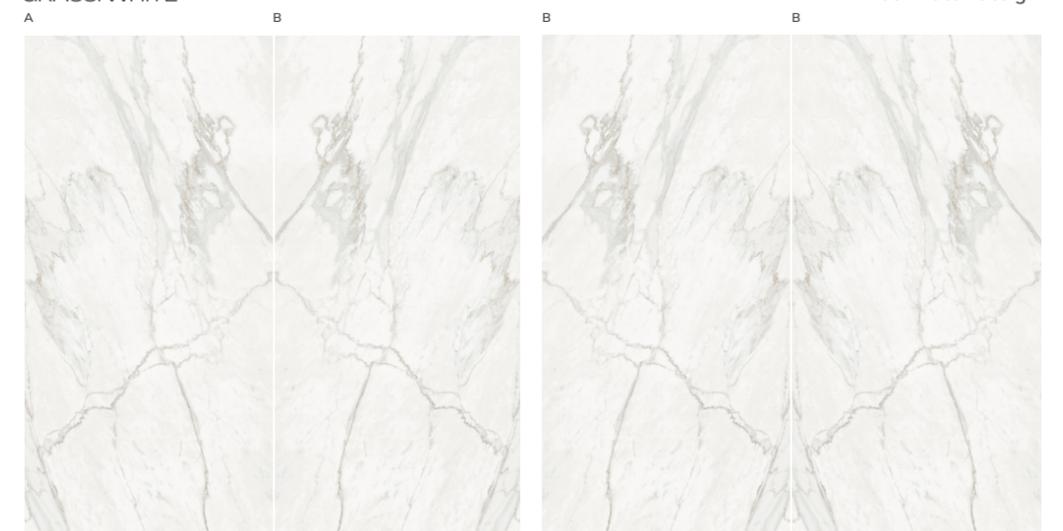
Bookmatch design

CRYSTAL LUX WHITE



Bookmatch design

GRASSI WHITE



Bookmatch design

LASA



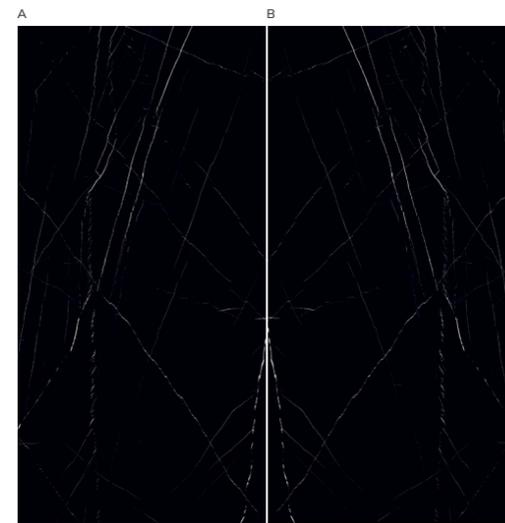
B



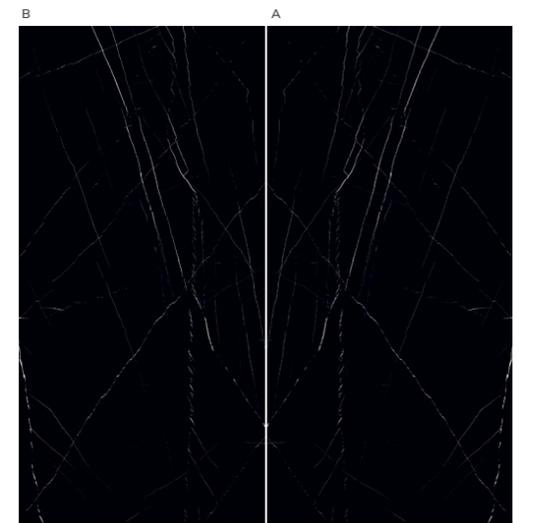
A

Bookmatch design

MARQUINA



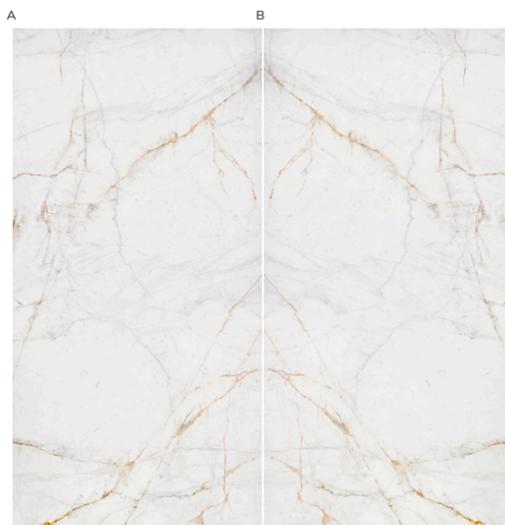
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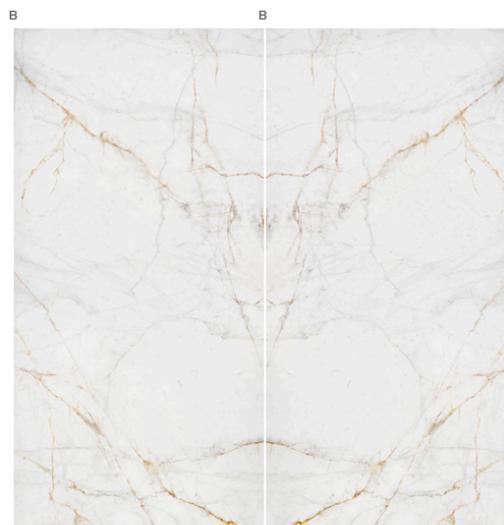
A

Bookmatch design

LUCCA GOLD



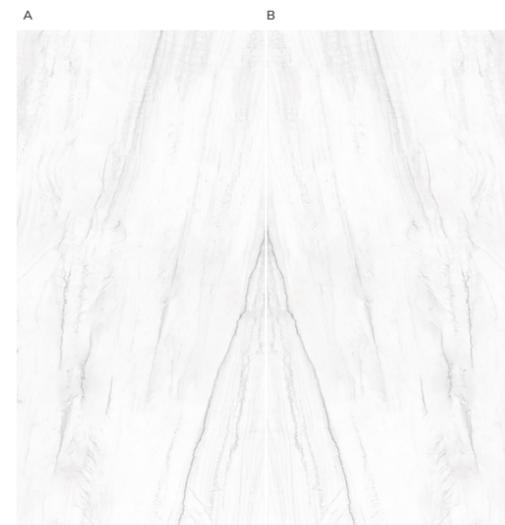
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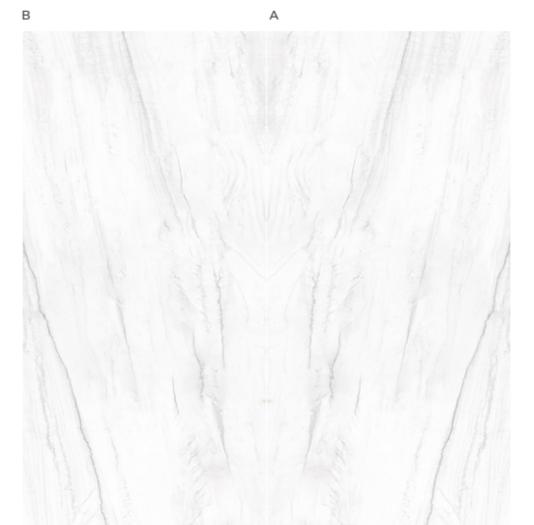
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Bookmatch design

MONTBLANC



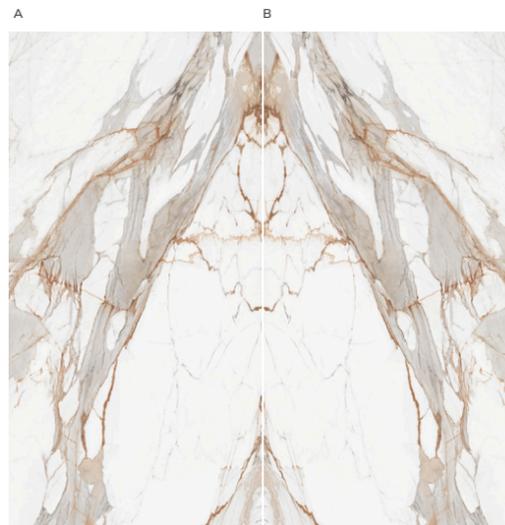
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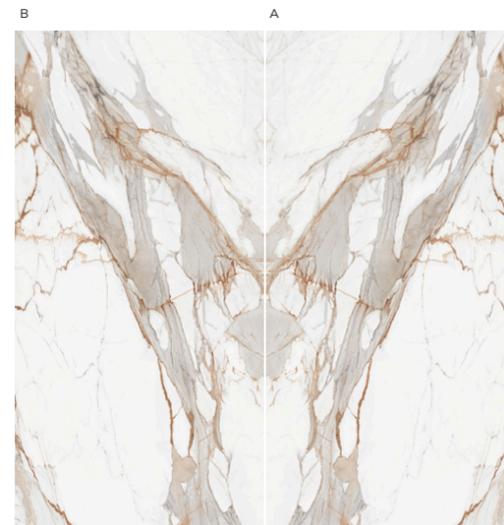
A

Bookmatch design

MACCHIA VECCHIA



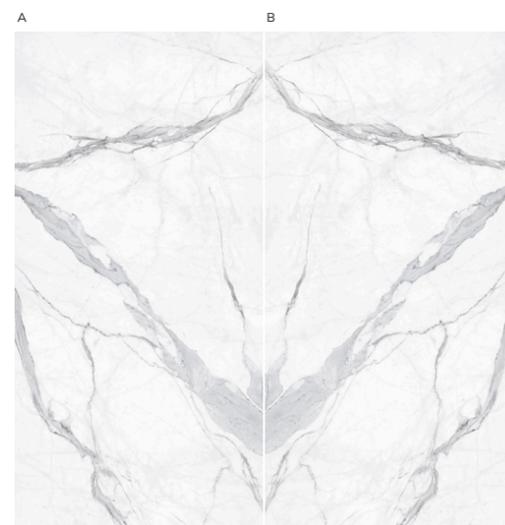
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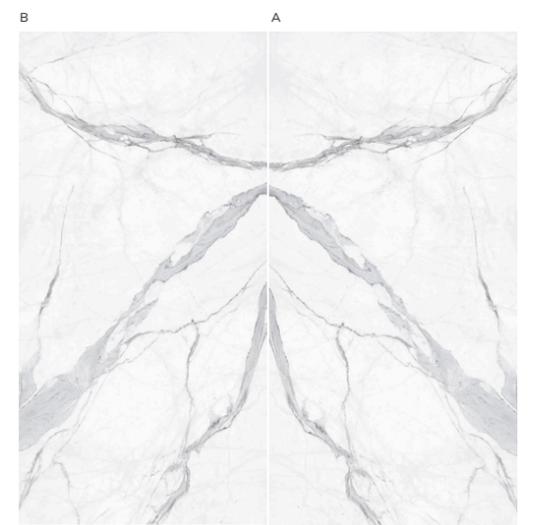
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Bookmatch design

NEW TORANO STATUARIO



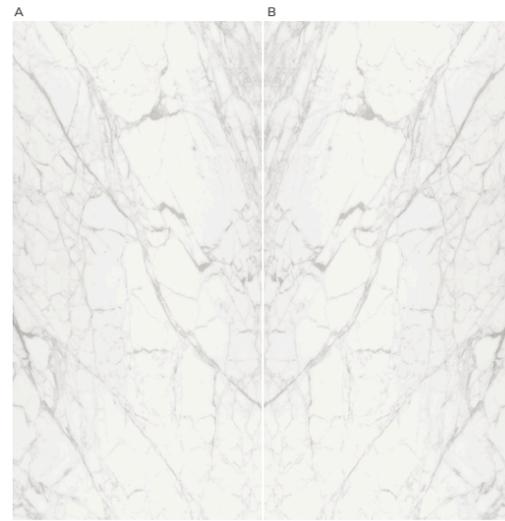
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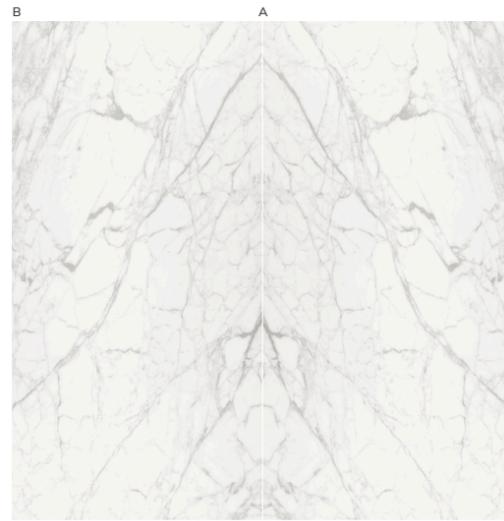
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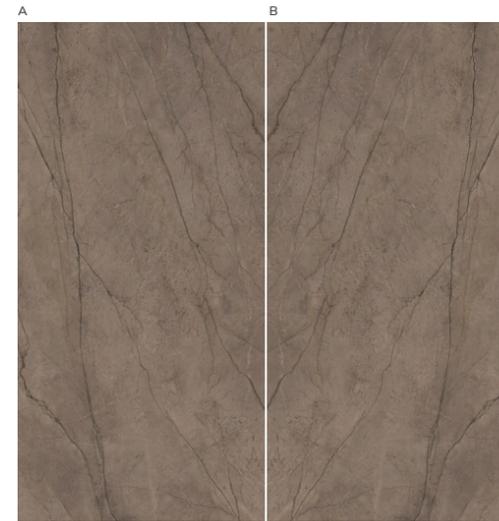
VAGLI GOLD



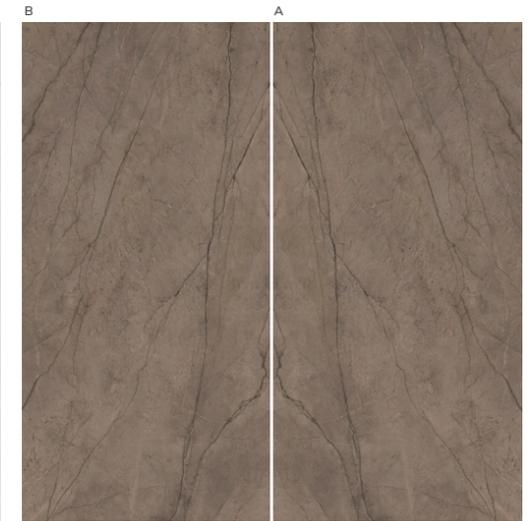
Bookmatch design



NEBULA BROWN



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ALLURE BLACK



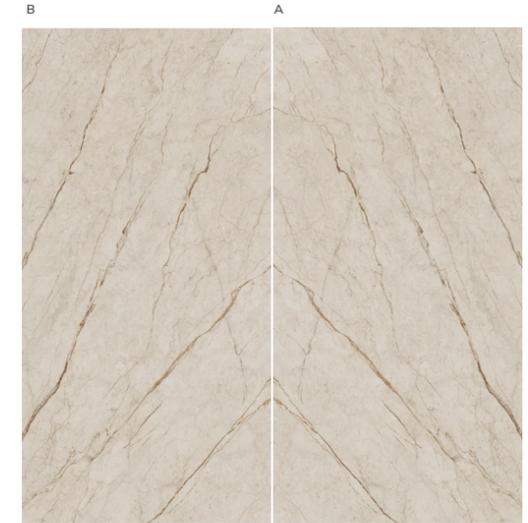
Bookmatch design



SAVANNA TERRA



Bookmatch design



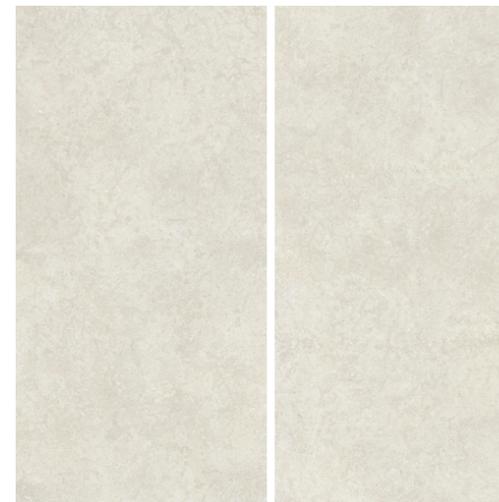
APPENNINO GOLD



Bookmatch design



AMAYA LINEN



Multiface design

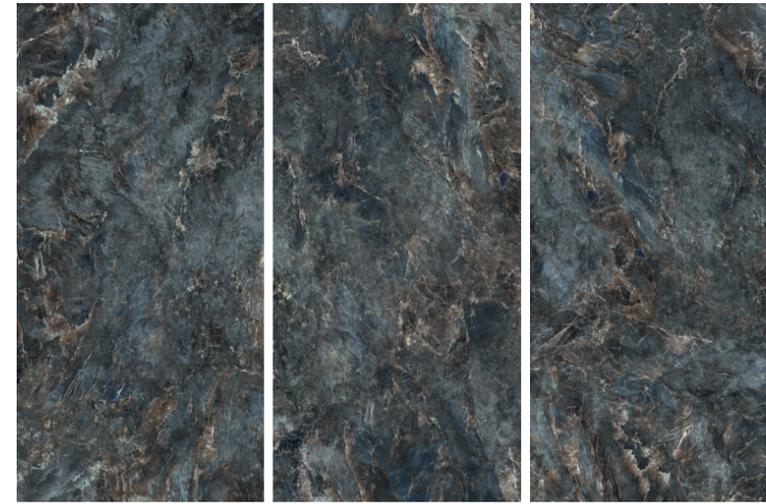
CEPPO DI GRE

Multiface design



LABRADORITE

Multiface design



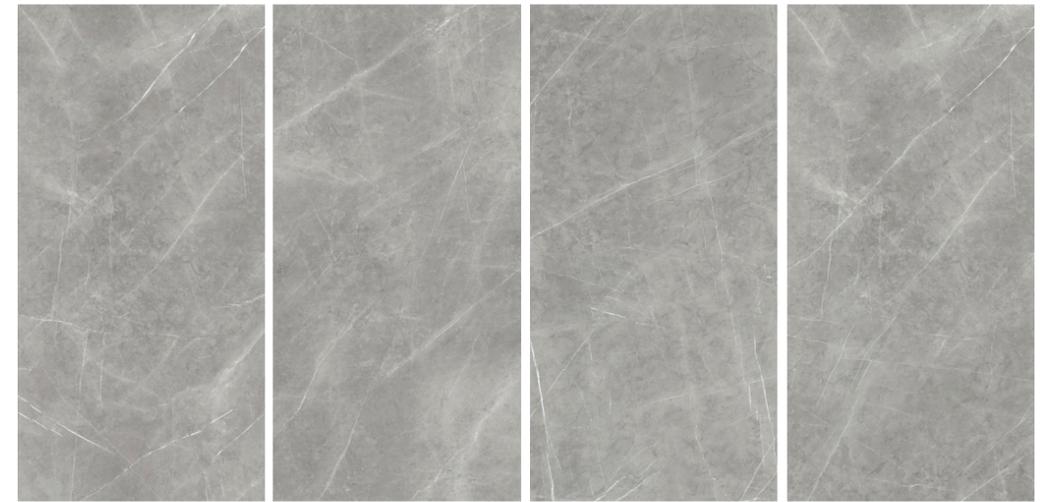
PORTLAND LINEN

Multiface design



ARMANI SILVER

Multiface design



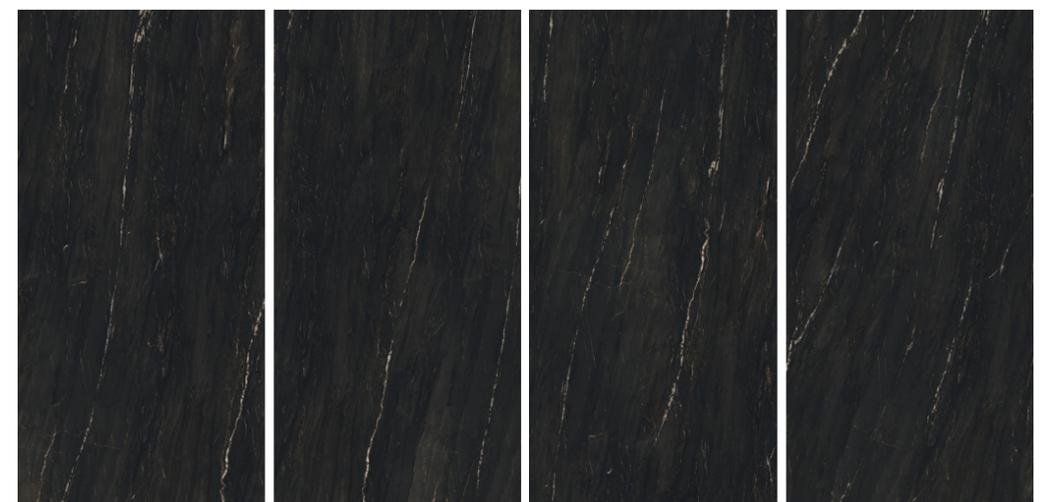
PORTLAND PEARL

Multiface design



BELVEDERE

Multiface design



CROSTONE PULPIS

Multiface design



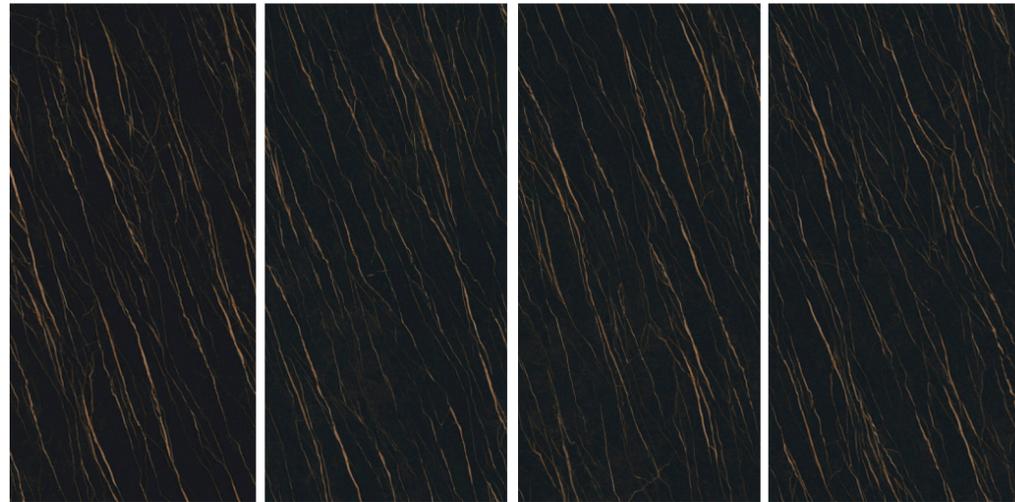
ARIZONA SAND

Multiface design



LAURENT

Multiface design



ETNA BLACK

Multiface design



TAJ MAHAL

Multiface design



MOON BLACK

Multiface design



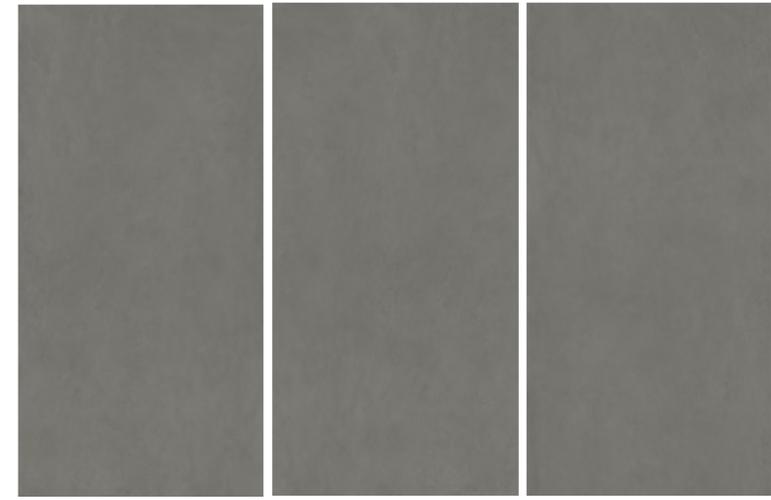
PALOMASTONE

Multiface design



COSMOPOLITA GRAY

Multiface design



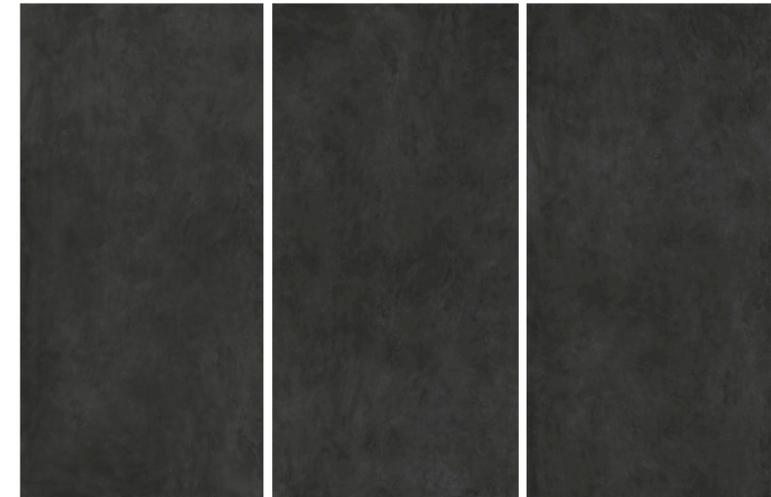
TIVOLI WHITE

Multiface design



COSMOPOLITA DARK

Multiface design



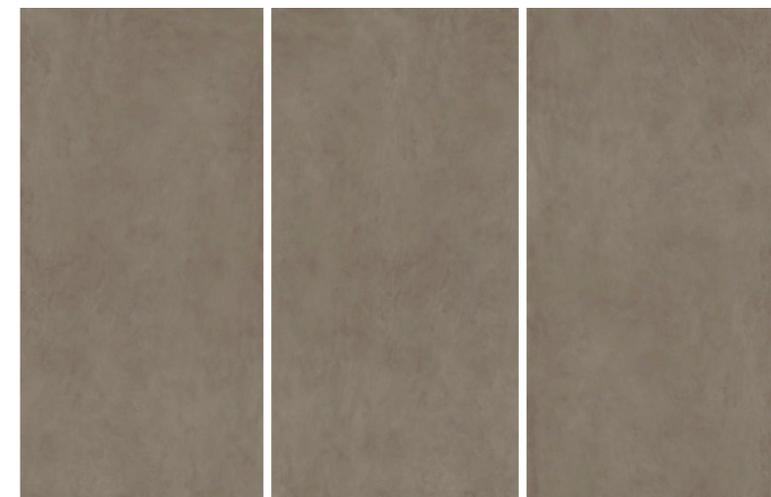
COSMOPOLITA SILVER

Multiface design



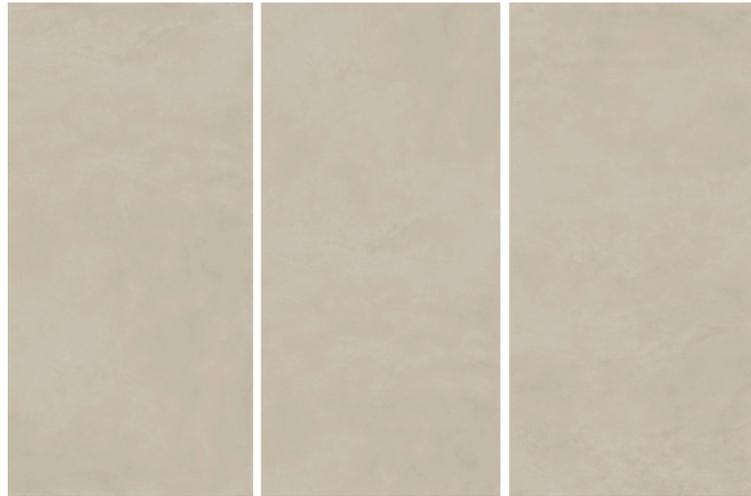
COSMOPOLITA BROWN

Multiface design



COSMOPOLITA IVORY

Multiface design



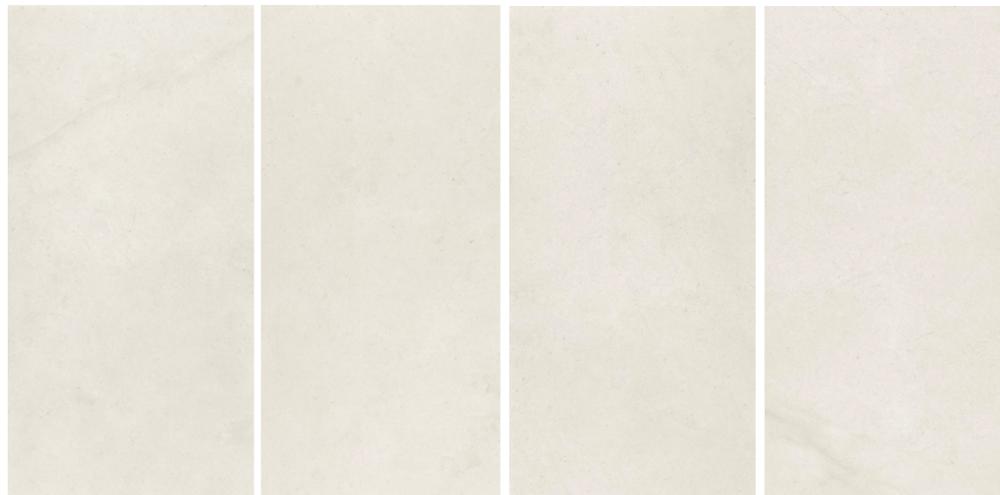
COSMOPOLITA LIGHT

Multiface design



URBAN WHITE

Multiface design



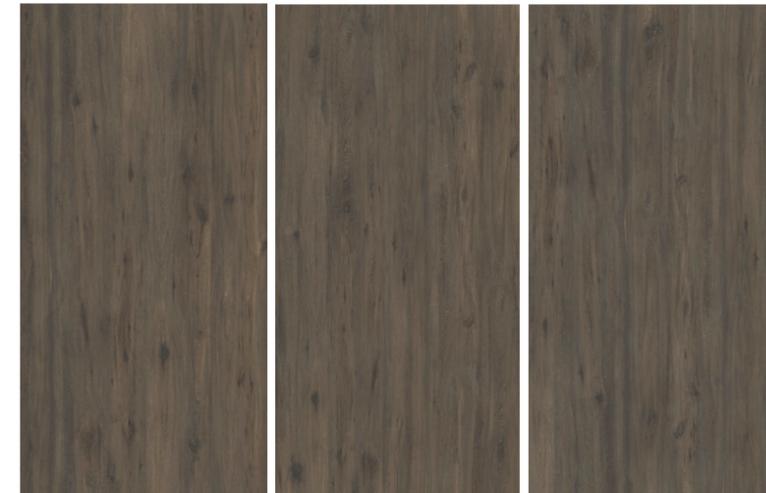
BOREAL SAND

Multiface design



BOREAL UMBER

Multiface design



TECHNICAL SPECIFICATIONS & PACKING LIST

162 X 324 cm

Box type	Thickness (mm)	Box Heigh (cm)	Box net weight	N° max. stackable heights	Pieces / box	Sqmt / box	Kg/box	N° boxes 20'	N° boxes 40'
A frame 330x75cm	20	180	125	Non-stackable	12	63	3250	3	Up to 9
A frame 330x75cm	12	180	125	Non-stackable	22	115,50	3525	3	Up to 9
A frame 330x75cm	6	180	125	Non-stackable	44	225,28	3200	3	Up to 9
Horizontal crate (345x175cm)	6	37	139	6	14	71,68	1200	6	18

PACKING IN WOODEN BUNDLES

FORMAT	Bundle Size		m ² /piece	Kg/m ²	Kg/piece
160x320	6+ /6	55x330xh211 cm	5,12	14,70	75,30
162x324	12+/12	55x330xh211 cm	5,25	29	154,50
162x324	20	55x330xh211 cm	5,25	48,50	255

PACKAGING BUNDLE DATA				LOADING BUNDLE DATA		
M ² / Bundle	Pieces / Bundle	Empty Bundle (kg)	Full Bundle (kg)	N° bundles / 20'	Kg 20'	M ² 20'
6/6+ 194,56	38	90	2850	7	19950	1361,92
12+ 105	20	90	3190	7	22350	735
12 63	22	90	3500	7	24500	808,5
20 61,44	12	90	3100	7	22050	441

PACKING IN BIG FRAME				Weight CTNR/
Format	Pieces / Big frame	Pieces		
160x320	6+ /6	240		18550
162x324	12+	120		19500
162x324	20	76		20350

TECHNICAL SPECIFICATIONS & PACKING LIST

120 X 280 cm

Box type	Thickness (mm)	Box Heigh (cm)	Box net weight (kg)	N° max. stackable heights	Pieces / box	Sqmt / box	Kg/box	N° boxes 20'	N° boxes 40'
A frame 290x75cm	6	153	100	Non-stackable	44	147,84	2450	6	Up to 12
Horizontal crate (345x175cm)	6	35	87	8	20	67,2	1220	12	Up to 24

TECHNICAL SPECIFICATIONS & PACKING LIST

100 X 300 cm

Box type	Thickness (mm)	Box Heigh (cm)	Box net weight	N° max. stackable heights	Pieces / box	Sqmt / box	Kg/box	N° boxes 20'	N° boxes 40'
Horizontal crate (115x315)	3	39	95	6 (in cntr) 4 (in truck)	40	120	1055	12	up to 40

TECHNICAL FEATURES

PHYSICAL-CHEMICAL PROPERTIES	GROUP BIα (GL)		
	STANDARD TEST	REQUIRED VALUE	AVERAGE VALUE
Thickness	ISO 10545-3	Complies	Complies
Water absorbtion	ISO 10545-3	≤ 0,5%	≤ 0,1%
Breaking strenght	ISO 10545-4	≥ 700 N e<7,5 mm ≥ 1300 N e≥7,5 mm	≥ 1000 N e=6mmm ≥ 3000 N e=8mm
Modulus of rupture	ISO 10545-4	R ≥ 35 N/mm2	≥ 50 N/mm2
Impact resistance	ISO 10545-5		>0,8 no visible defects
Resistance to surface abrasion	ISO 10545-7		
Linear thermal expansion	ISO 10545-8		5,7.10-6°C
Thermal shock resistance	ISO 10545-9		
Moisture expansion	ISO 10545-10		<0,1 mm/m
Crazing resistance	ISO 10545-11		
Frost resistance	ISO 10545-12		
Chemical resistance: Cleaning products	ISO-10545-13	B	A
Chemical resistance: Swimming pool salts	ISO-10545-13	B	A
Chemical resistance: Low concentration acids	ISO-10545-13		LA matt finish LB polished finish
Chemical resistance: Low concentration bases	ISO-10545-13		LA matt finish LB polished finish
Resistance to stains	ISO 10545-14	Min.3	Min. 5 matt finish Min. 4 polished finish
Determination of lead and cadmium	ISO 10545-15		Cadmium < 0,01 mg/l Lead < 0,1 mg/l
Dry heat resistance	EN 13310	Declared value	
UV Resistance	DIN 51094	Declared value	No change



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