

STONEGLASS®

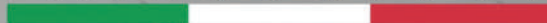
A horizontal line composed of three segments: a green segment on the left, a white segment in the middle, and a red segment on the right.

3D

3D



STONEGLASS[®]





E' l'ultimo nato nella famiglia **STONEGLASS®**: un supporto di **STONEGLASS®** trattato digitalmente con tecnologia ink-jet. Diversamente dalle tradizionali tecniche, per creare lo **STONEGLASS® 3D** il materiale viene posto ad altissime temperature (ca.1000°) che permettono al colore di penetrare all'interno diventandone parte integrante e incrementandone la durezza.

STONEGLASS®

*It's the new born of **STONEGLASS®** family: a **STONEGLASS®** support treated digitally with ink-jet technology. Unlike traditional techniques, to create **STONEGLASS® 3D** the material is placed at very high temperatures (approx. 1000°) which allow the color to penetrate inside becoming an integral part and increasing its hardness.*





STONEGLASS®



Lo **STONEGLASS® 3D** mantiene le qualità del vetro (non assorbe, non si macchia, non ha porosità ed è curvabile) e le unisce alla bellezza e al fascino del marmo e delle pietre naturali con una risoluzione fotorealistica.

Lo **STONEGLASS® 3D** mantiene le qualità del vetro (non assorbe, non si macchia, non ha porosità ed è curvabile) e le unisce alla bellezza e al fascino del marmo e delle pietre naturali con una risoluzione estremamente fotorealistica. Il risultato è un materiale ancora più resistente delle ceramiche e dei marmi.



STONEGLASS® 3D maintains the qualities of glass (it does not absorb, does not stain, does not have porosity and is bendable) and combines them with the beauty and charm of marble and natural stones with a photorealistic resolution. The final result is a material even more resistant than ceramics and marbles.

STONEGLASS® è stato creato per soddisfare le innumerevoli esigenze del mercato attuale. Nel corso della storia, l'uomo ha sempre cercato di scoprire o produrre nuovi materiali sulla base di tre fondamentali criteri: l'estetica, la versatilità e la reperibilità. Oggi siamo ad una svolta – oggi dobbiamo considerare un ulteriore criterio: l'impatto ambientale dei nostri materiali. **STONEGLASS®** è un nuovo materiale in grado di soddisfare tutti questi quattro criteri.



STONEGLASS® was created to satisfy the many of the needs of today's materials market. Throughout history, man has always strived to discover, or manufacture, new materials based on three criteria: aesthetics, versatility and availability. Today we live at a turning point – now we must also consider an additional criteria: the environmental impact of our materials. **STONEGLASS®** is a new material that satisfies all four criteria.



STONEGLASS®

3D



High Glossiness

Our material has not only a special crystallized structure, but also a special glass matrix structure. Its texture is delicate and its surface is crystal and bright. And it can produce a diffusive reflection effect for absorbing light.



Acid & Alkali Resistance

3D crystallized glass has extremely high corrosion resistance, acid and alkali resistance, the color will not fade off, strength stays same after a long period.



Zero Water Absorption

The water absorption rate is almost zero: 0.004%. Oil, stains and other liquids will not penetrate into the interior. No dirt absorption, which makes it easy and convenient to be cleaned.



High Wear Resistance

The molecular micro-grain size reaches nanometer level. Fibrous crystal molecular structure achieves excellent materials with high compressive strength, which is easy for edge design and processing, such as circular cutting, drilling, sculpture and 45 degree cutting.



Zero Radiation

Non-radioactive, environmental friendly and reusable.



Good Temperature Resistance

3D crystallized glass can withstand the temperature range from -18°C to 800°C without any effects on the structure, color and shape.



Hot Bendable

3D Crystallized glass can be made into various curved shapes by heating method. It has the advantages of simple process and reasonable cost, avoiding the disadvantages of normal stones such as difficulties in curved shaping, longer processing time, much materials waste etc.





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Property \ Product	Marble	Granite	Quartz	Stoneglass 3D
Glossiness (<i>Lucentezza</i>)	75	80	80	≥85
Apparent Relative Density (g/cm^3) (<i>Densità</i>)	2-2,7	2,6-2,8	2,5	2,5
Water Absorption (%) (<i>Assorbimento</i>)	≤0,3	≤0,35	≤0,15	≤0,005
Compressive Strength (Mpa) (<i>Resistenza alla Compressione</i>)	220	295	95	350-400
Bending Strength (Mpa) (<i>Resistenza alla flessione</i>)	17	20	38	70
Impact Toughness (kJ/m^2) (<i>Resistenza all'impatto</i>)	1,9	2,5	2,2	3,34
Moh's Hardness (Msh) (<i>Durezza</i>)	3-5	3-5	5-6	5-6



0-1A

0-2A



STONEGLASS®

0-1B



0-2B



STONEGLASS®

0-1A

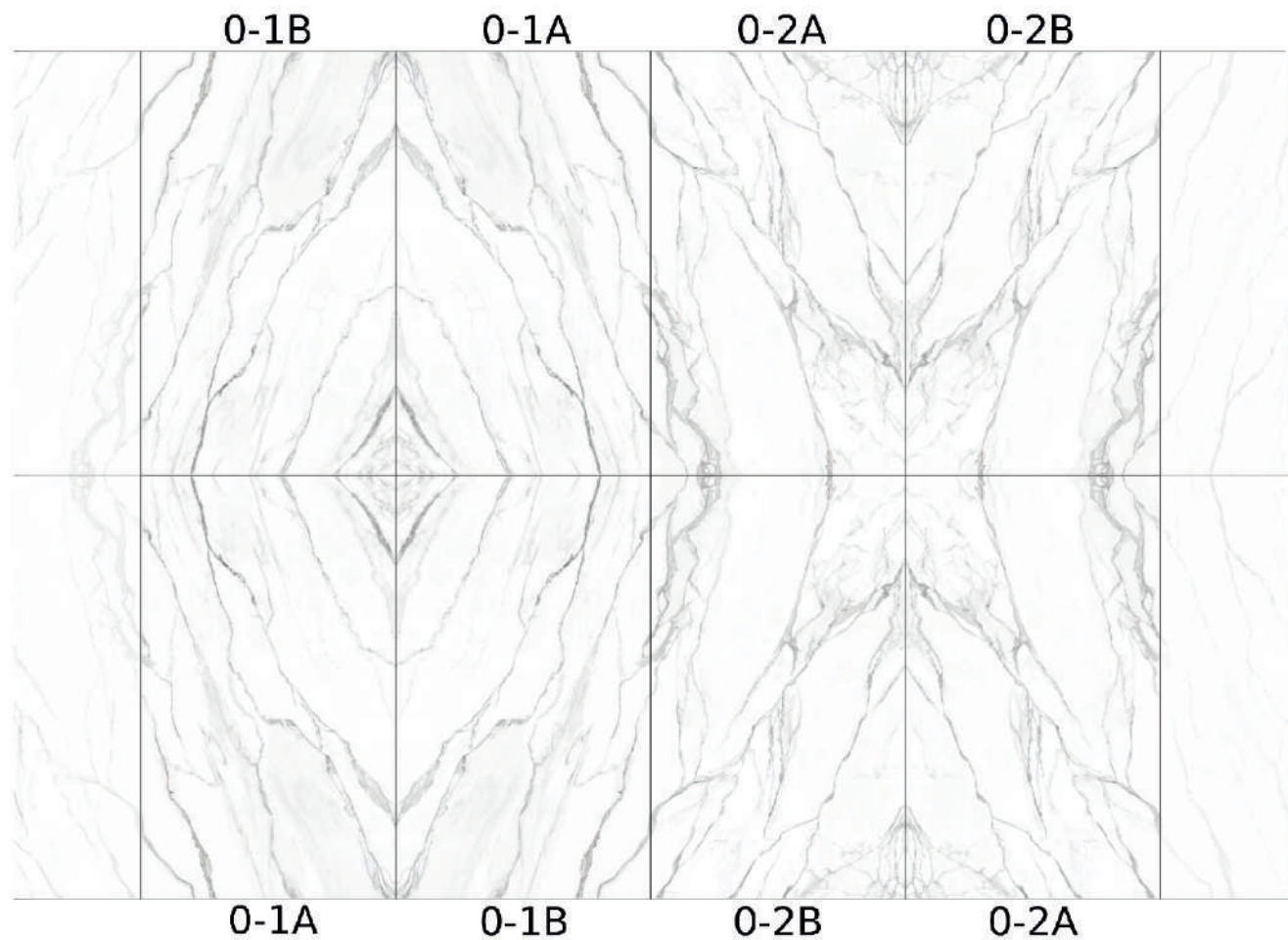
0-2A

0-1A

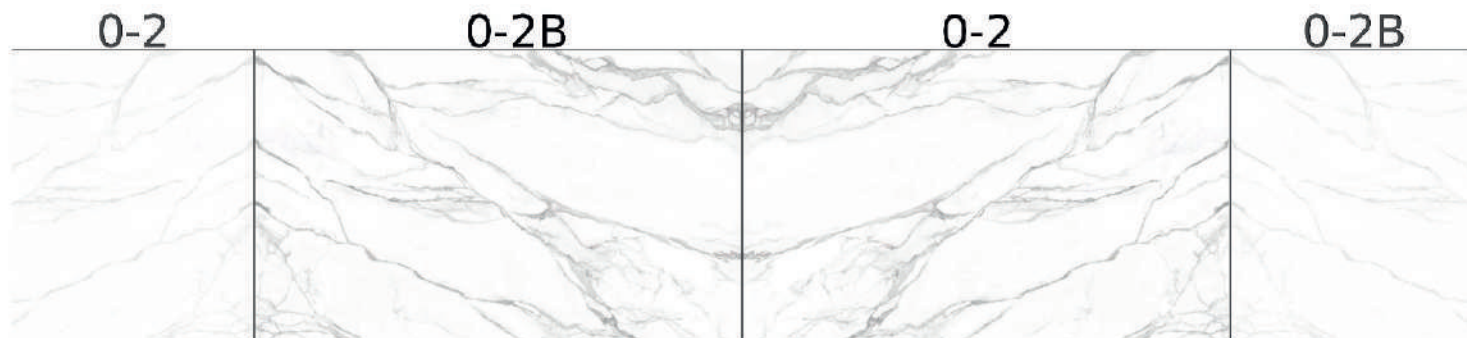
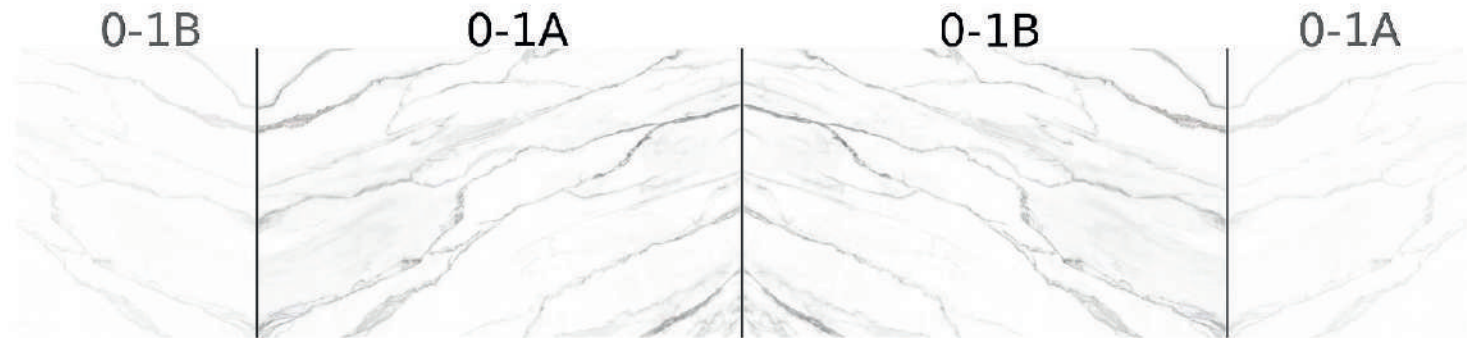
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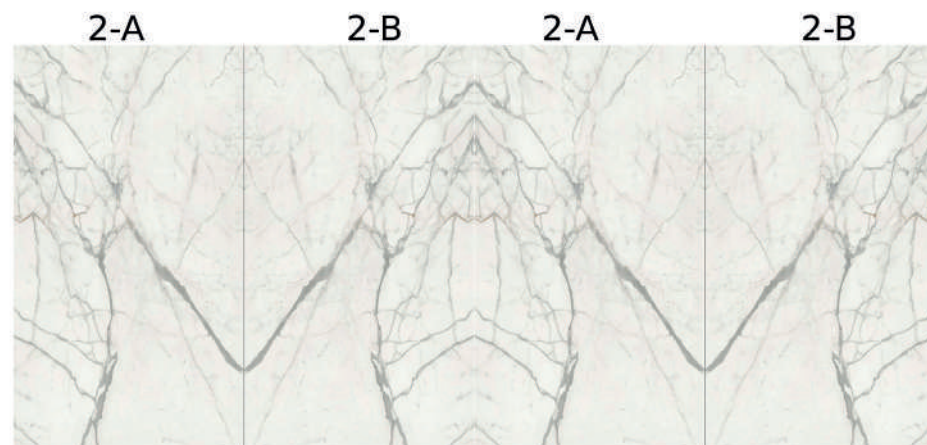
STONEGLASS®



STONEGLASS®



STONEGLASS®



STONEGLASS®

3-B

3-A

3-B

3-A



4-A

4-B

4-A

4-B



STONEGLASS®

5-A

5-B

5-A

5-B

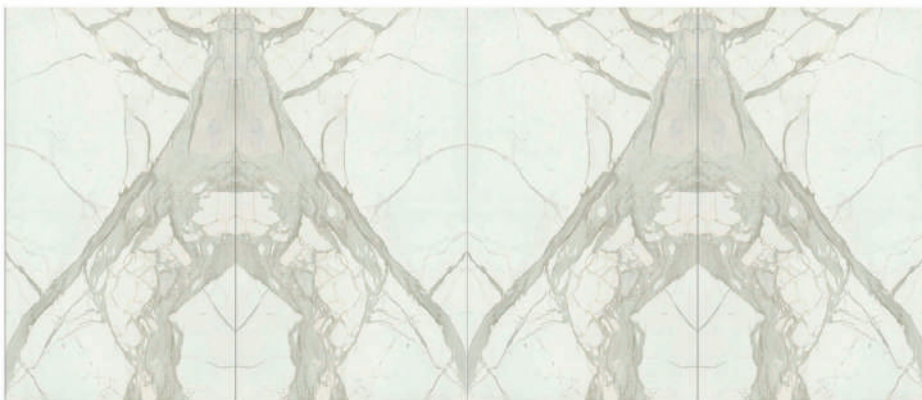


6-A

6-B

6-A

6-B



STONEGLASS[®]

7-A

7-B

7-A

7-B

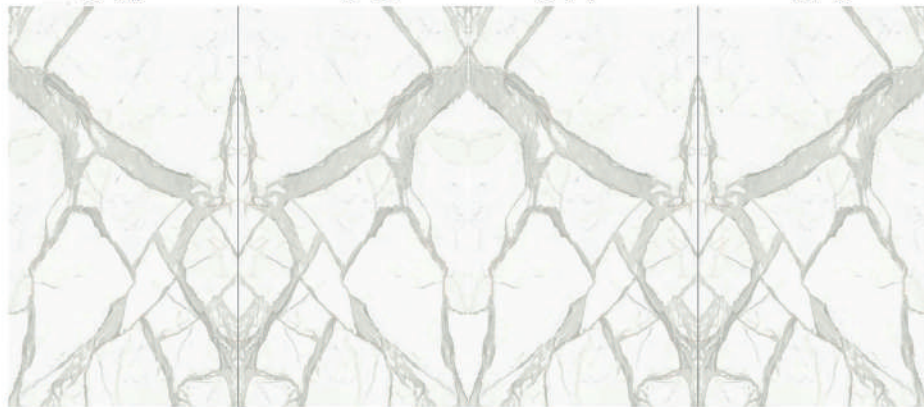


8-A

8-B

8-A

8-B



STONEGLASS®

9-A

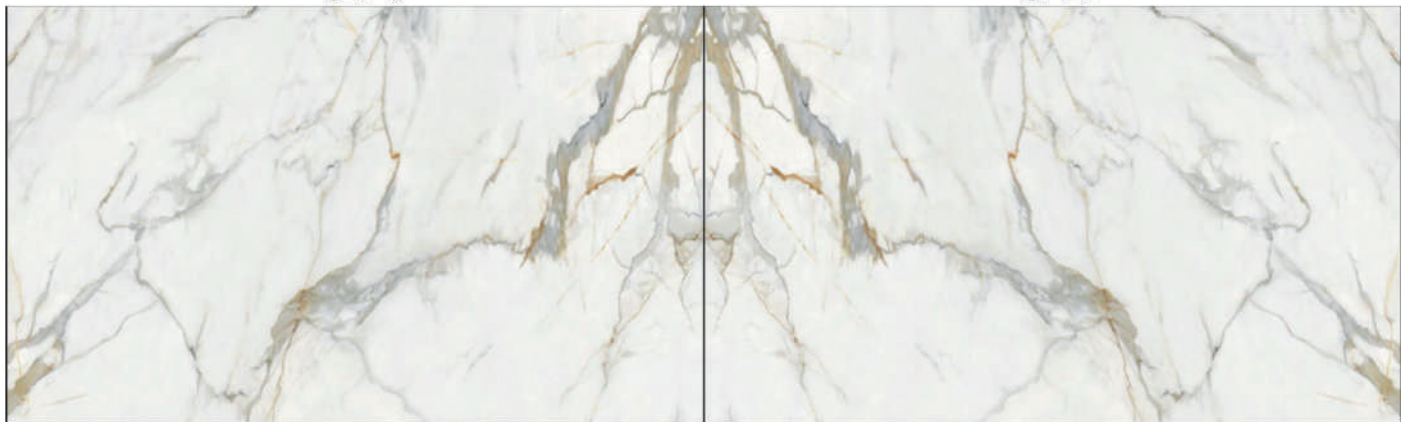
9-B



STONEGLASS®

9A

9B



STONEGLASS®

9A

9B

9A

9B



STONEGLASS®

13-A

13-B

13-A

13-B

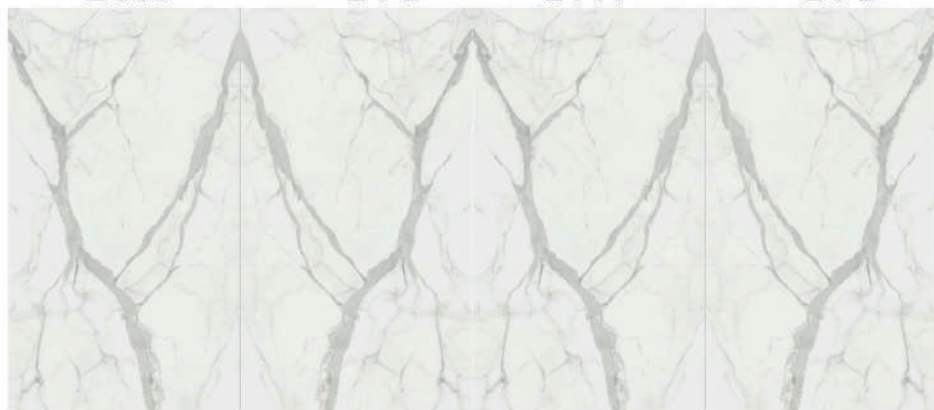


14-A

14-B

14-A

14-B



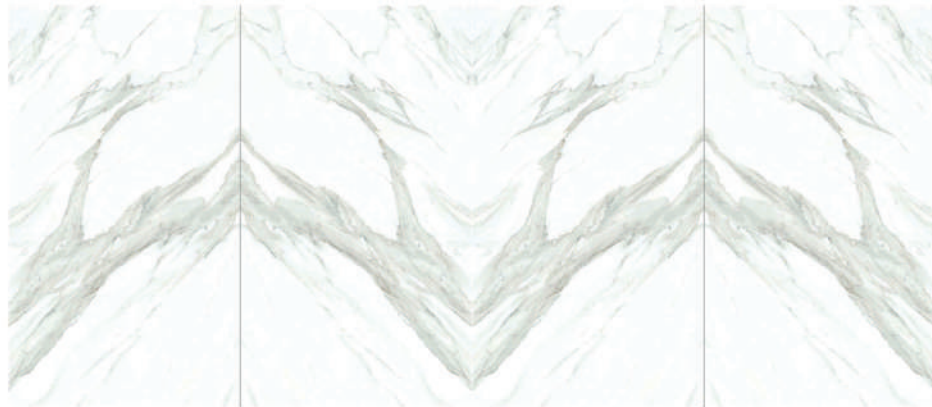
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17-A

17-B

17-A

17-B



18-A

18-B

18-A

18-B



STONEGLASS®

18-A

18-B

18-A

18-B



37-A

37-B

37-A

37-B

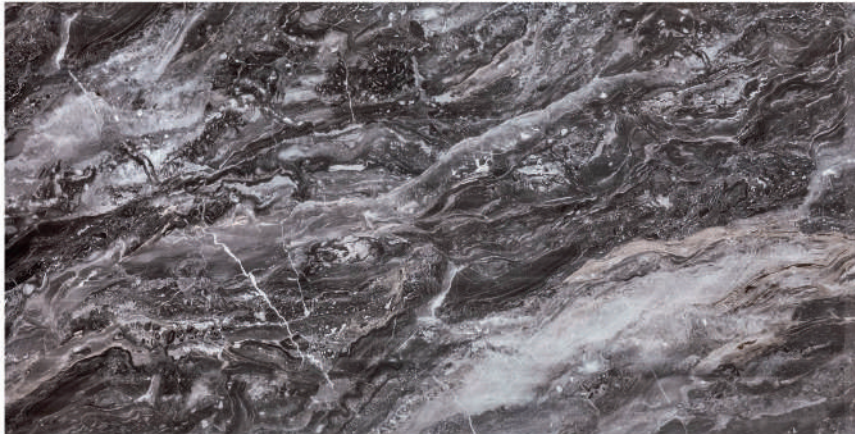


STONEGLASS[®]

22-C



24-A



STONEGLASS[®]

31-1-A

31-2-A

31-3-A

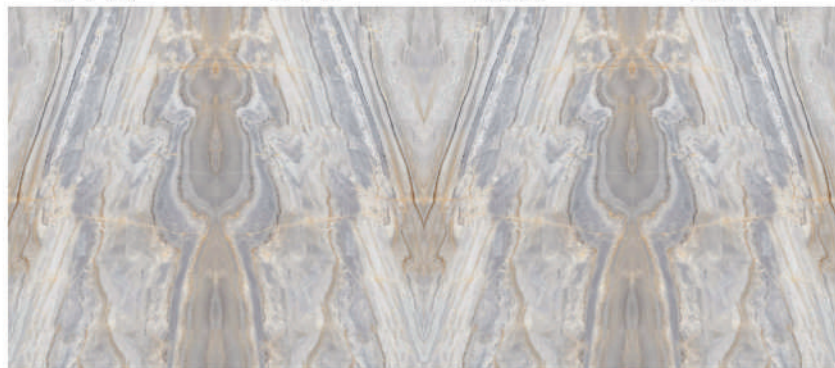


34-A

34-B

34-A

34-B



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