



DRAGON
MARBLE

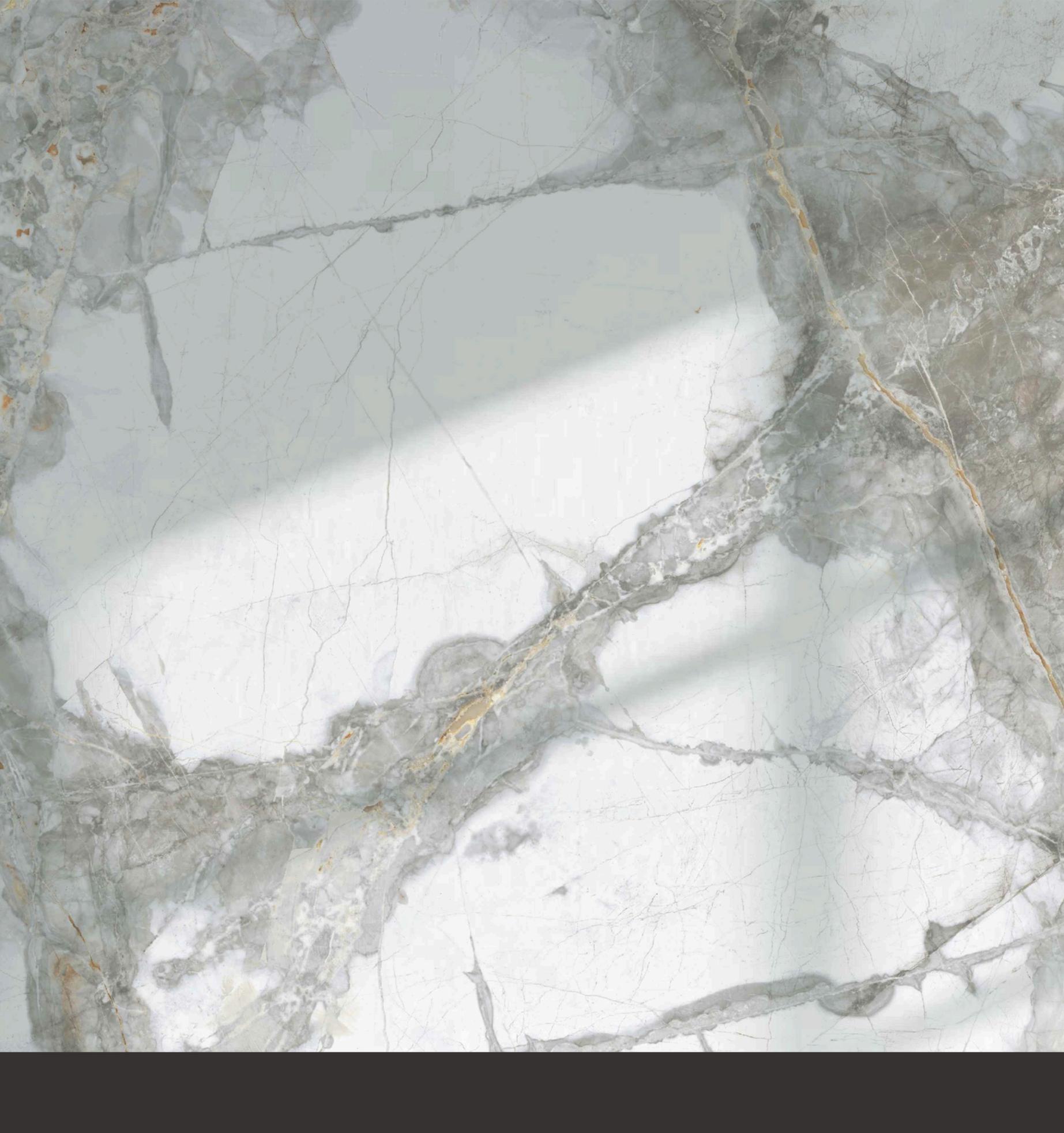
www.dragonmarble.com

luxury
porcelain
slabs





www.dragonmarble.com



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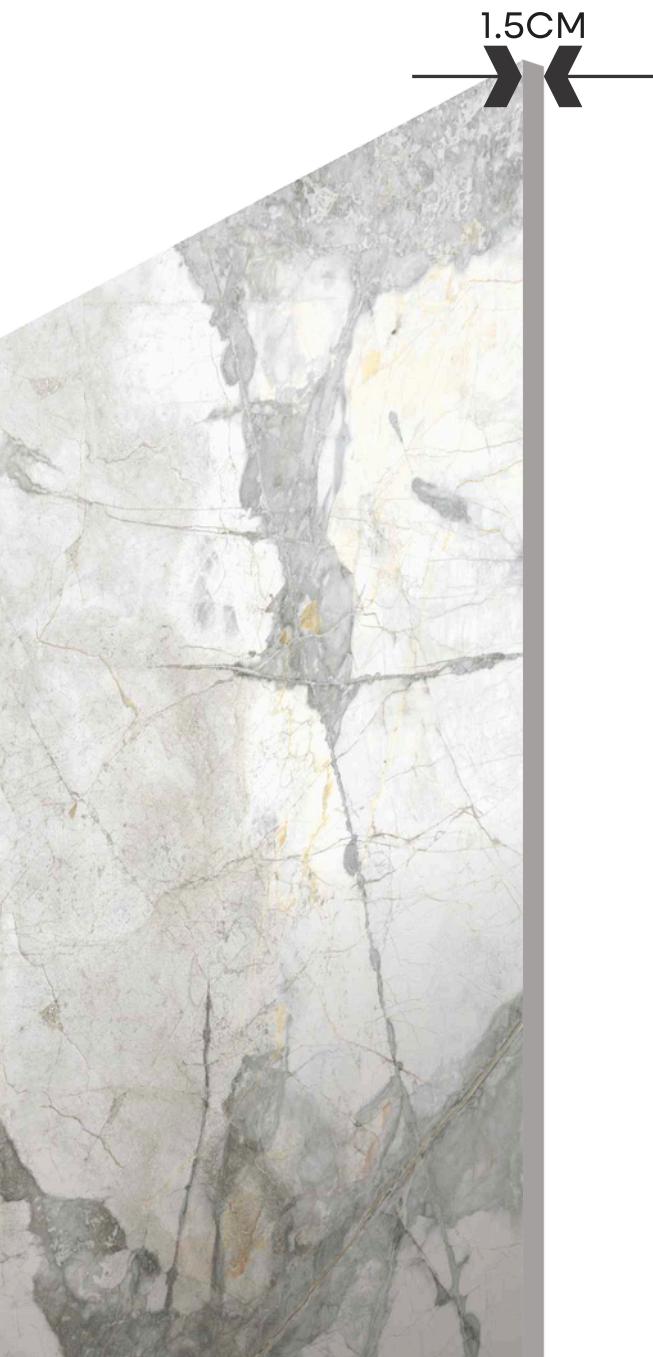
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Technical Specification



Avante's carefully-curated collection features 15 dazzling porcelain surface looks that draw colors, textures, and patterns from diverse materials, genres, and cultural cues. Available in **320X80 CM** size, our 15 MM thick slabs evoke the captivating reflections & raw strength of natural stones, rendering the same feel without the associated drawbacks.

TECHNICAL FEATURES



Hygienic & suitable for contact with food



Easy to clean surface



Water Resistant surface



Resistant to chemicals acids, bases & solvents



Stain resistant surface



Flatness & Stability over time



Resistant to mould mildew & fungus



UV Resistant surface



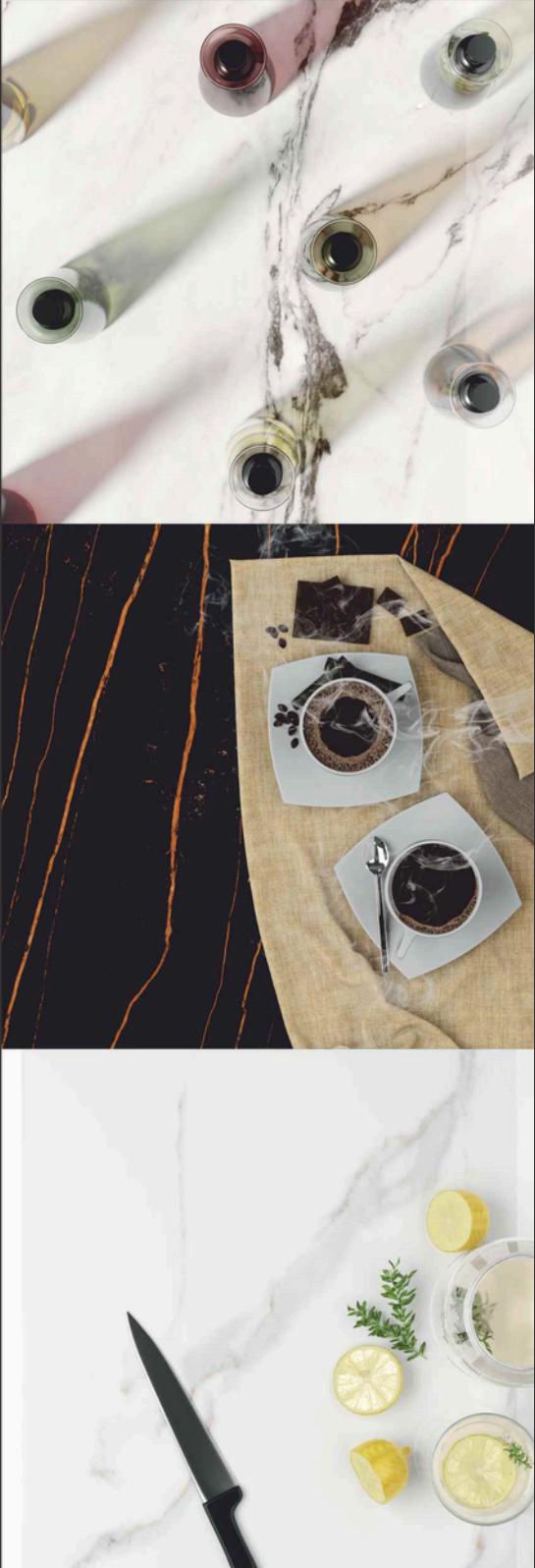
Resistant to heat & High temperatures



Impact resistant surface



Frost proof & Abrasion resistant



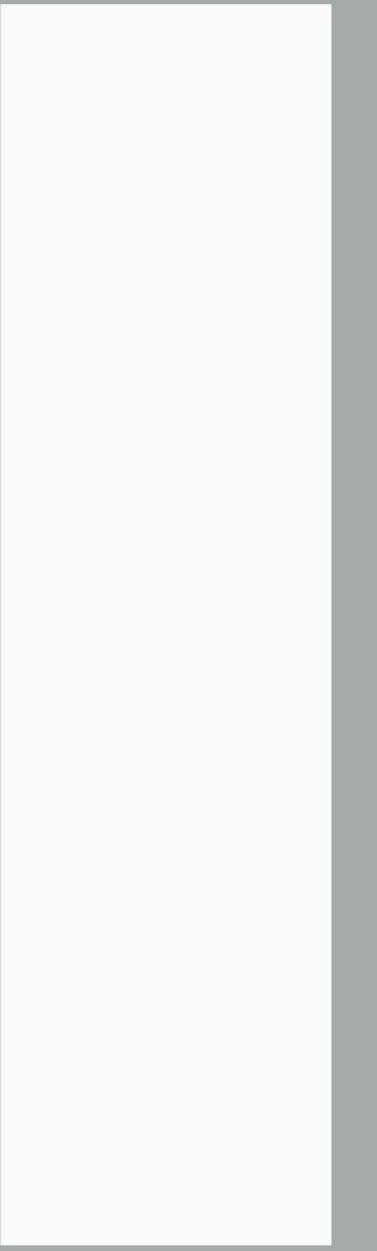
Crystal White

Finish
Polished

Size
320x80cm

Thickness
1.5cm

**WHITE
BODY**



03-04





Crystal White



Recommended
Application Areas:

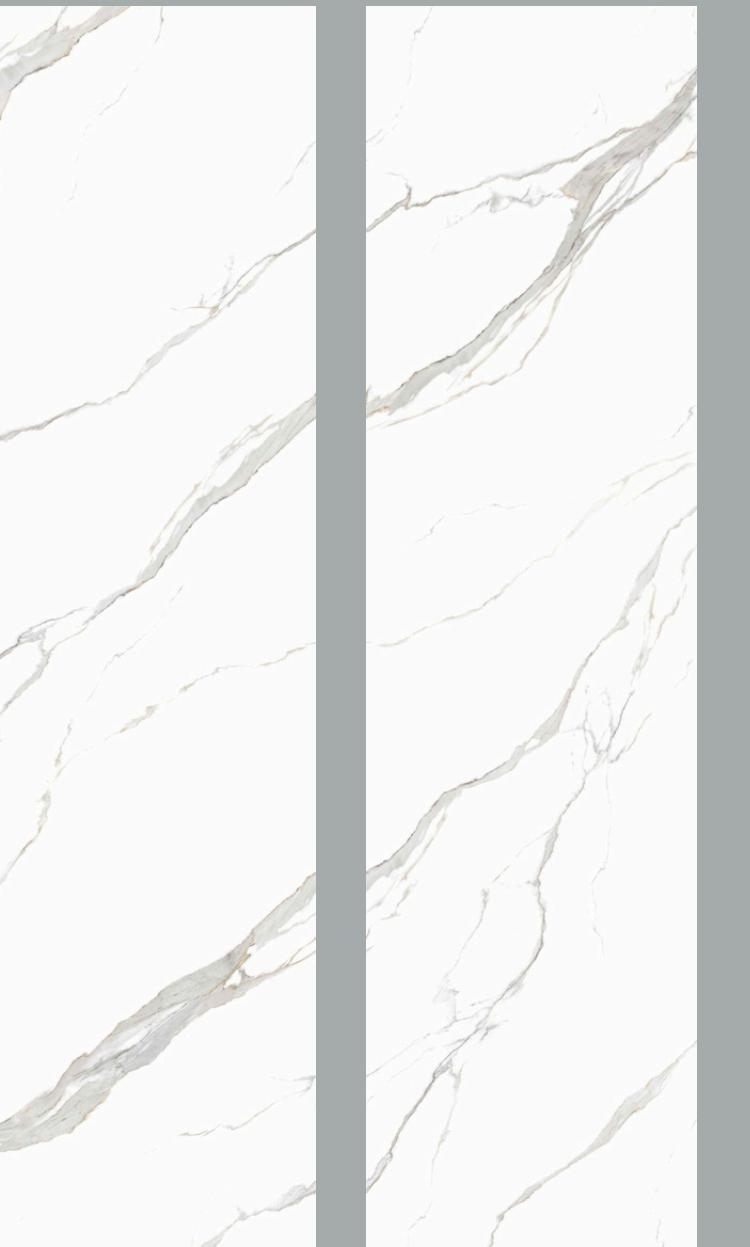


Bianco Aura

Finish
Polished

Size
320x80cm

Thickness
1.5cm





Bianco Aura



Recommended
Application Areas:

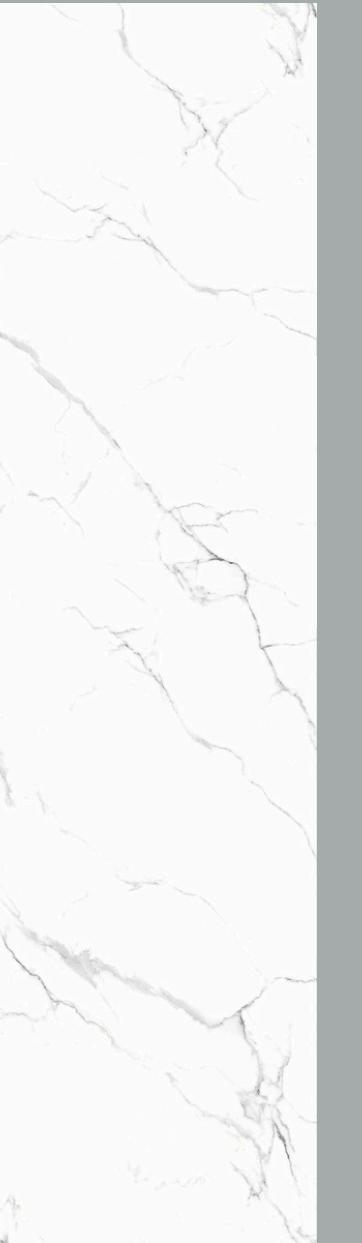


Bianco Carrara

Finish
Polished

Size
320x80cm

Thickness
1.5cm



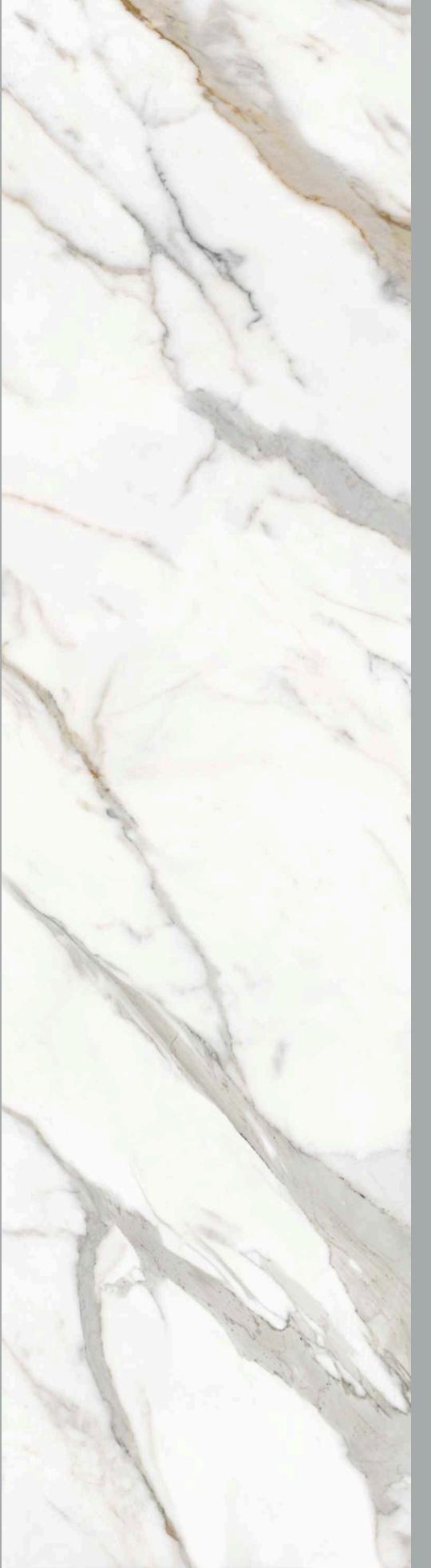


Bianco Carrara



Recommended
Application Areas:





Bianco Extra

Finish
Polished

Size
320x80cm

Thickness
1.5cm





Bianco Extra



Recommended
Application Areas:



Calcatta Borghini

Finish
Polished

Size
320x80cm

Thickness
1.5cm





Calcutta Borghini



Recommended
Application Areas:





Rome

Finish
Polished

Size
320x80cm

Thickness
1.5cm



23-24





Rome



Recommended
Application Areas:





Calcatta Ultra

Finish
Polished

Size
320x80cm

Thickness
1.5cm





Calcutta Ultra



Recommended
Application Areas:



Calcatta Vianna

Finish
Polished

Size
320x80cm

Thickness
1.5cm



31-32



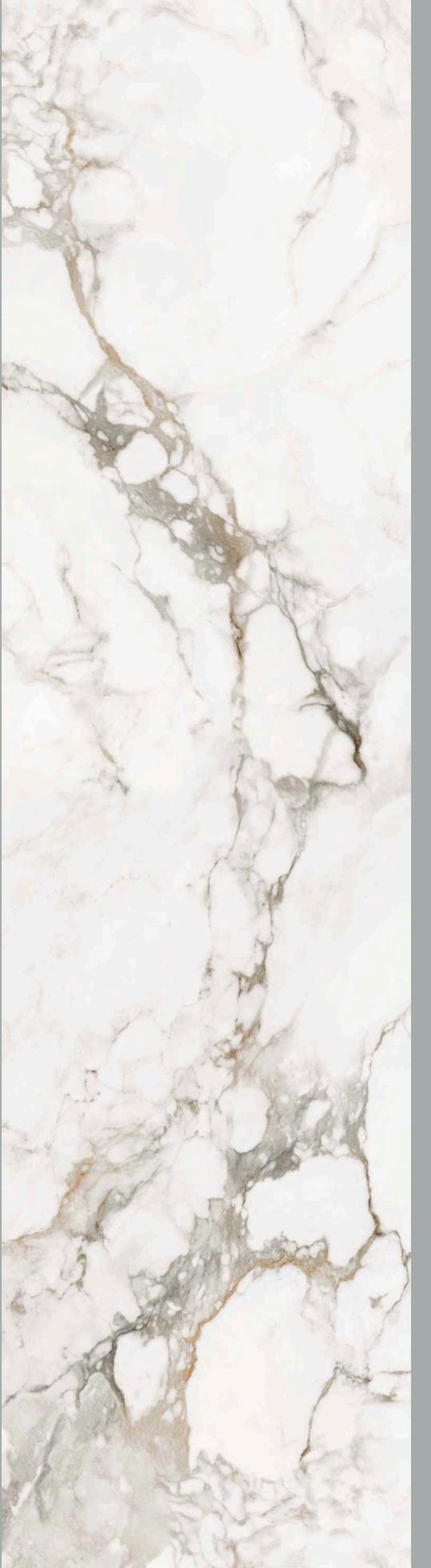


Calacatta Vianna



Recommended
Application Areas:





35-36





Mont Blanc



Recommended
Application Areas:



Statuario Gold

Finish
Polished

Size
320x80cm

Thickness
1.5cm





Statuario Gold



Recommended
Application Areas:



Statuario Alpine

Finish
Polished

Size
320x80cm

Thickness
1.5cm





Statuario Alpine



Recommended
Application Areas:





Finish
Polished

Size
320x80cm

Thickness
1.5cm



Statuario Natural

47-48



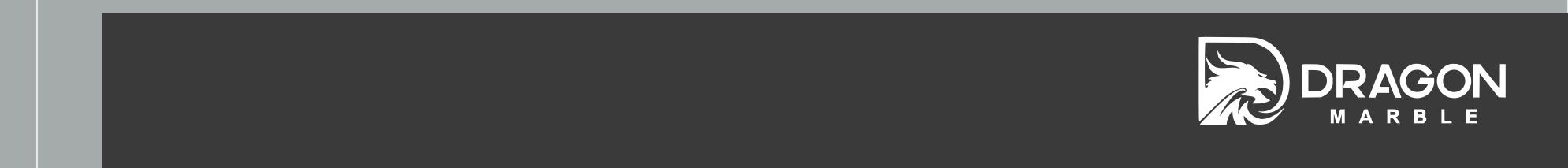
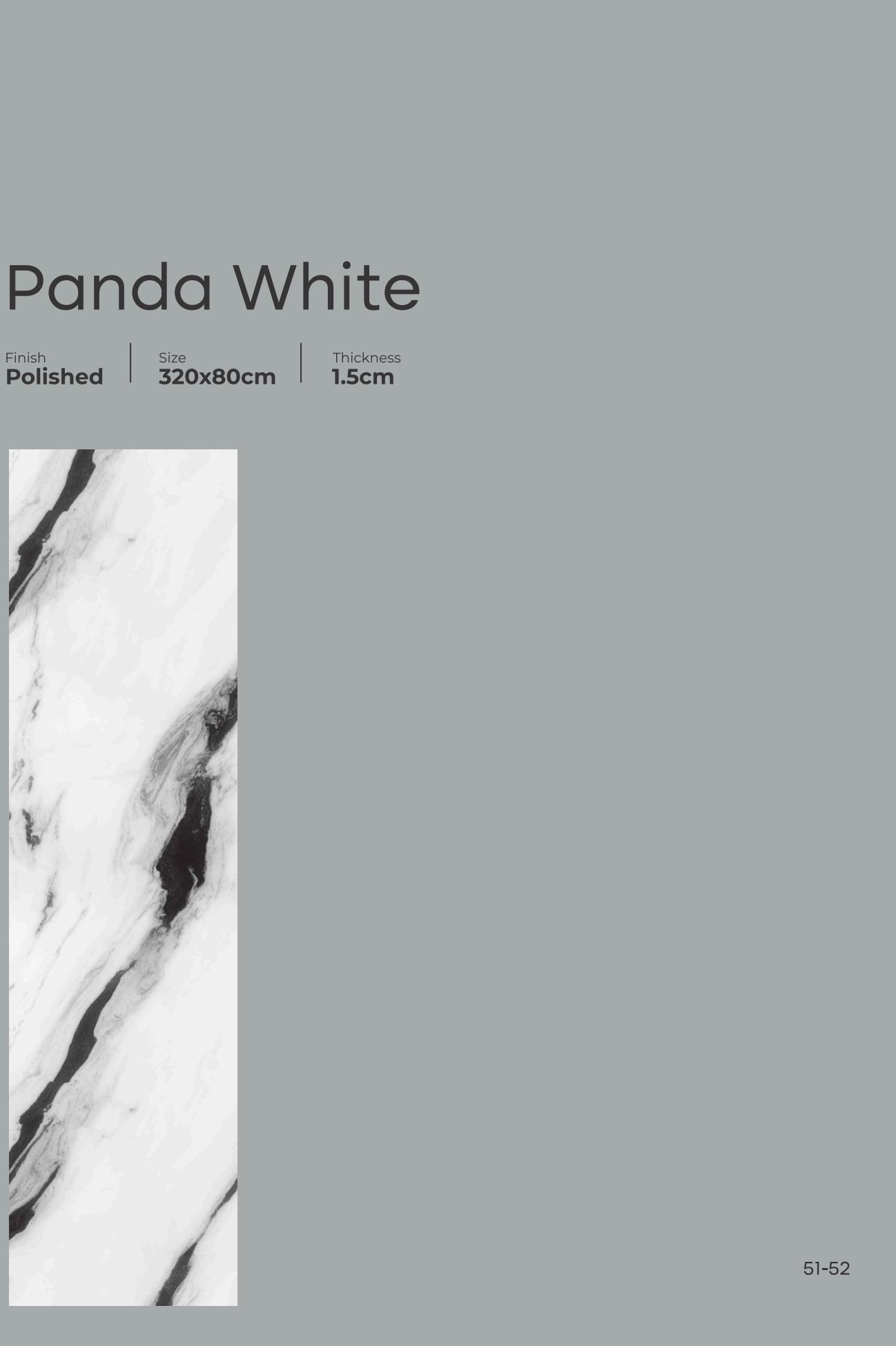
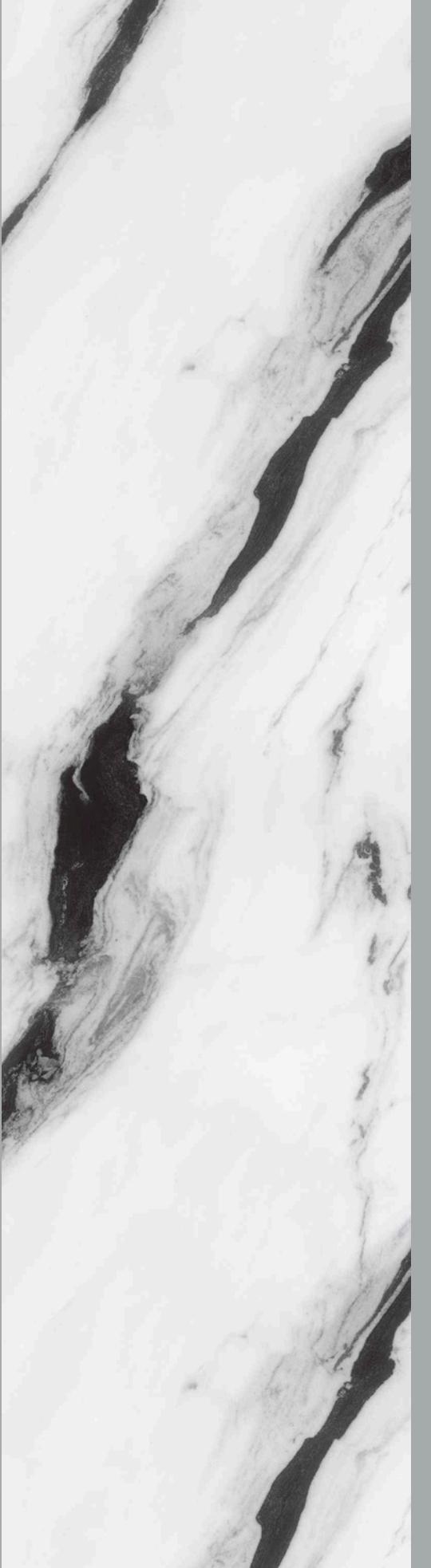


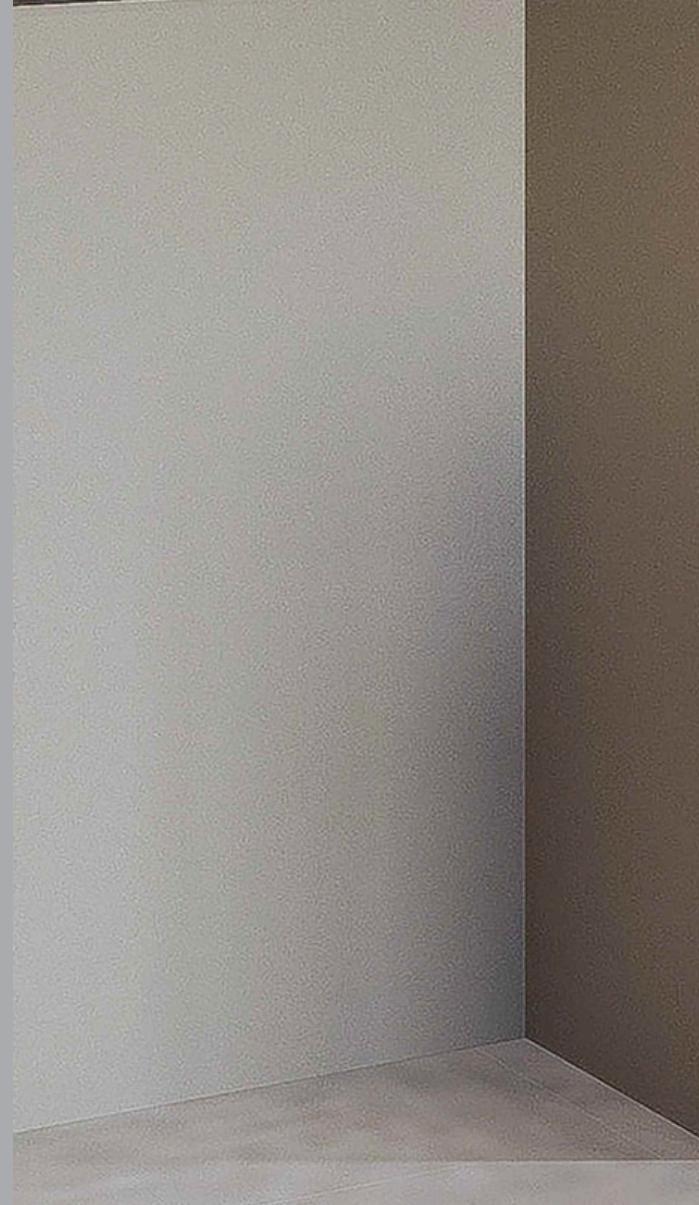
Statuario Natural

 **DRAGON**
MARBLE

Recommended
Application Areas:







Panda White



Recommended
Application Areas:

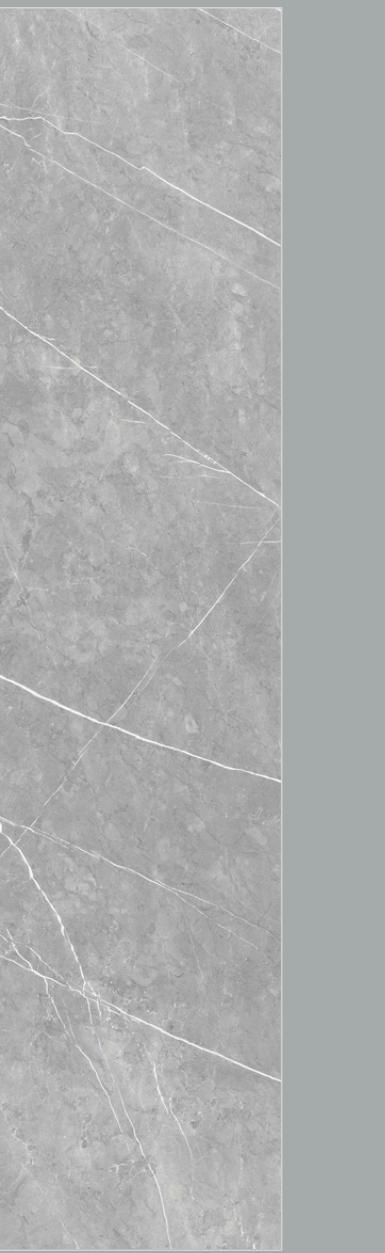




Finish
Natural

Size
320x80cm

Thickness
1.5cm



Pietra Grey





Pietra Grey

 **DRAGON**
MARBLE

Recommended
Application Areas:



Indoor Floors



Dry Cladding



Indoor Walls



Countertops



Bathroom / Tops



Furnishing

Armani Grey

Finish
Polished

Size
320x80cm

Thickness
1.5cm



59-60



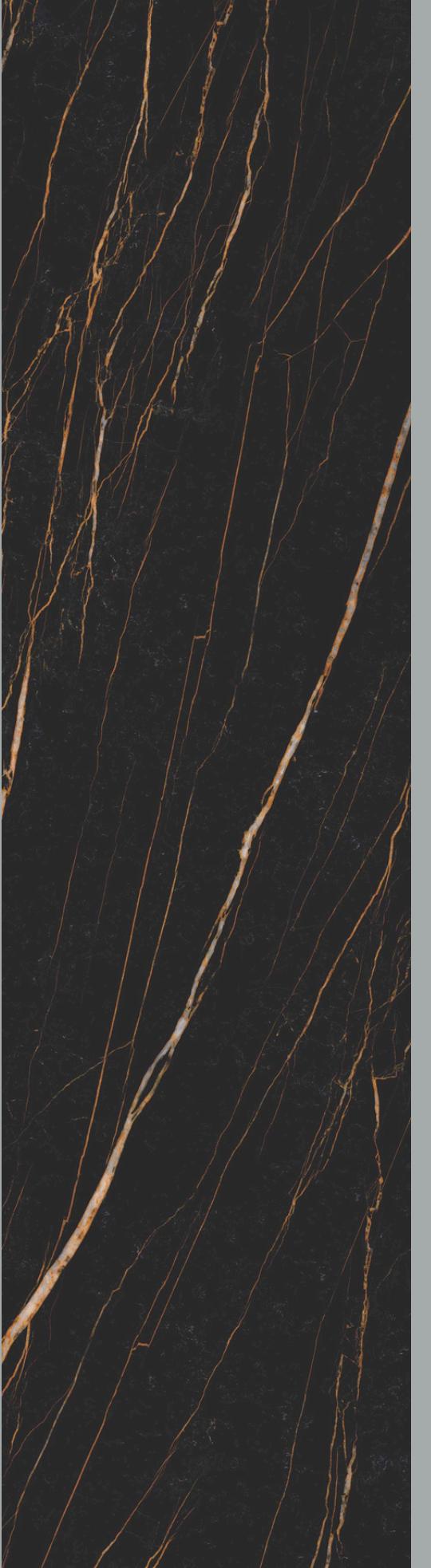


Armani Grey

 **DRAGON**
MARBLE

Recommended
Application Areas:



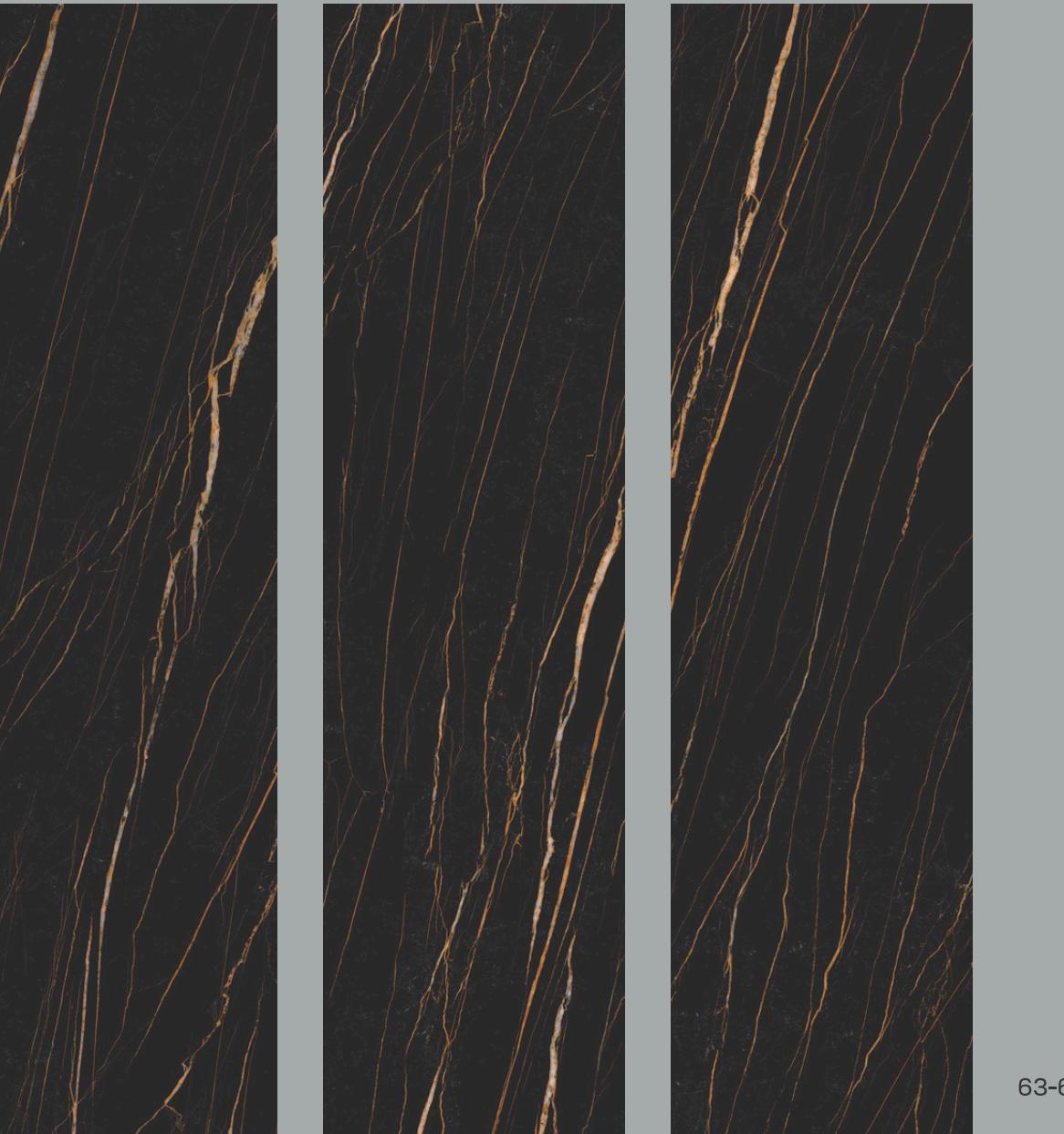


Sahara Gold

Finish
Polished

Size
320x80cm

Thickness
1.5cm



63-64



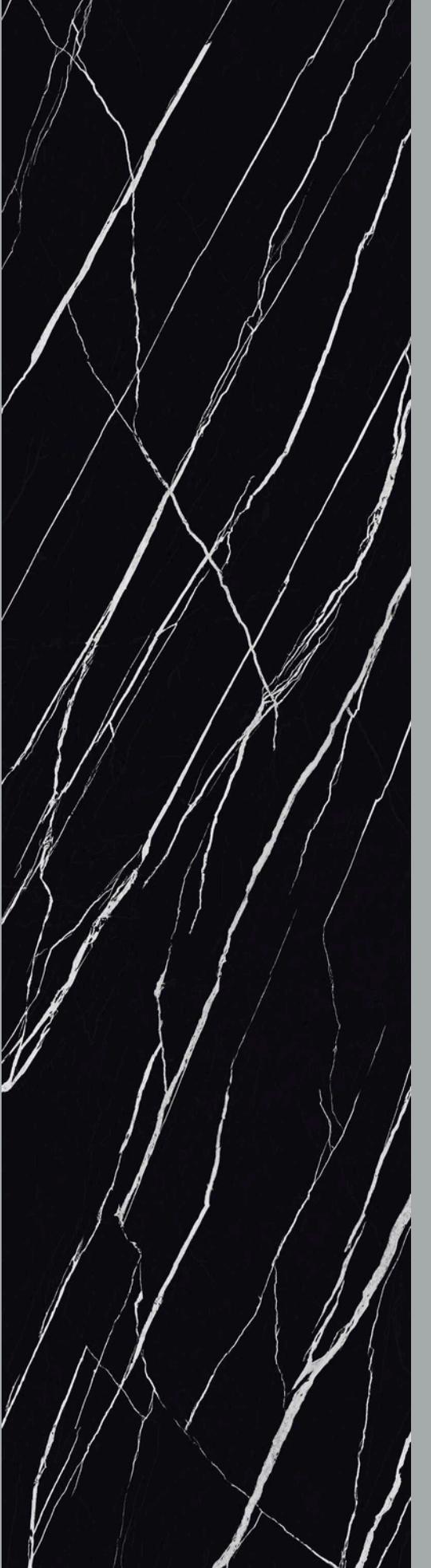


Sahara Gold



Recommended
Application Areas:





Marquina Natural

Finish
Polished

Size
320x80cm

Thickness
1.5cm





Marquina Natural



Recommended
Application Areas:



Crystal Black

Finish
Polished

Size
320x80cm

Thickness
1.5cm

**BLACK
BODY**





Crystal Black

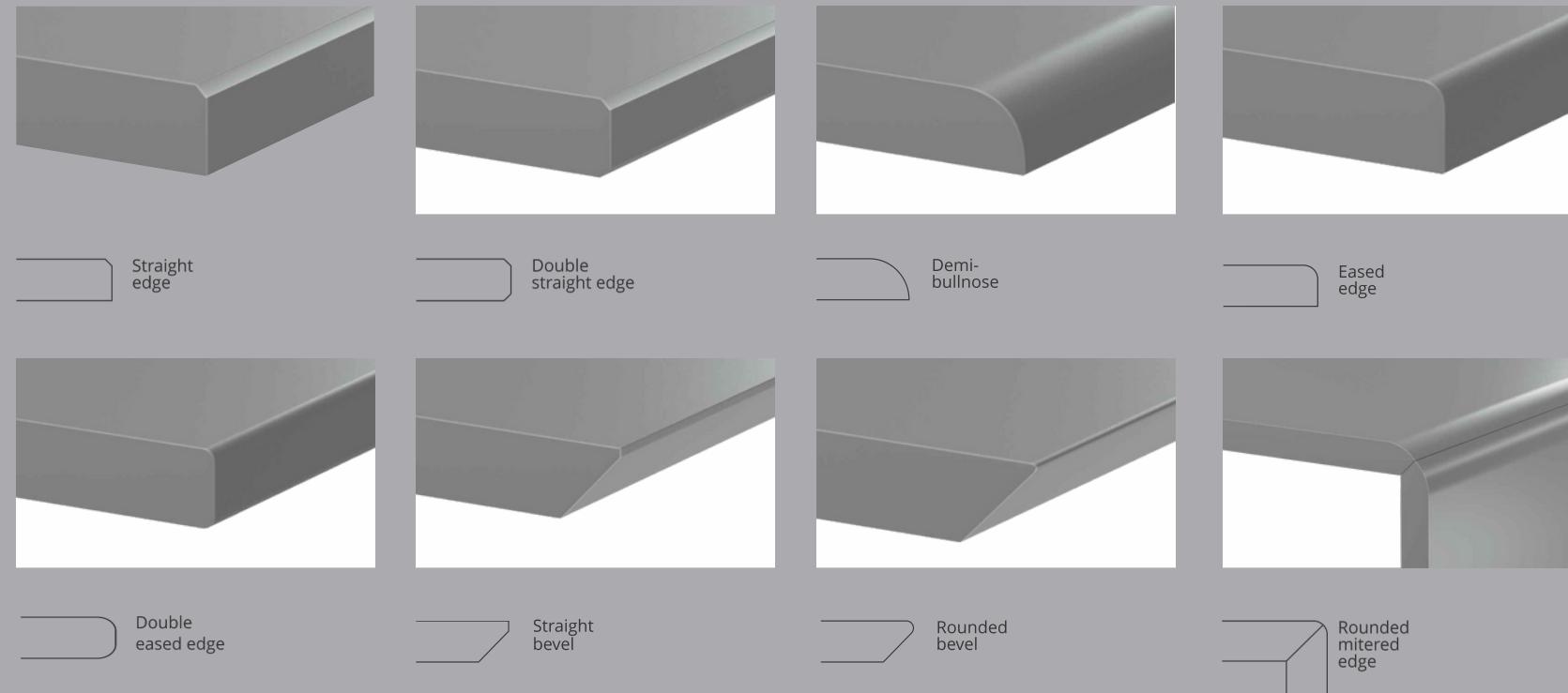


Recommended
Application Areas:



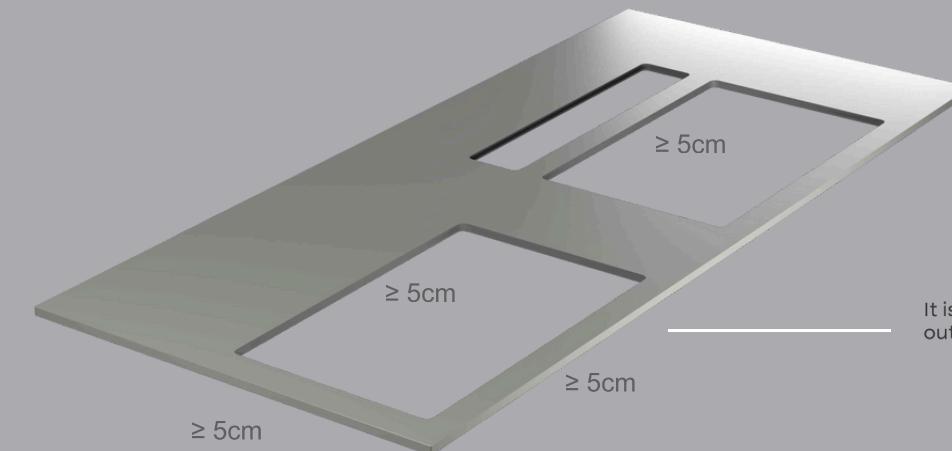
Edge Profiling

Avante porcelain slabs facilitate numerous edge finishes that can be attained by either automatic edge polishing machines or manually. An appropriate combination of circular saw blades can lend a high-quality polish. To attain a proper finish, it is imperative that the slab is fabricated in a wet state. Making cuts on pieces can alter the surface properties of the edge, so we recommend applying an edge protection liquid to improve performance against stains or other agents. To enhance the performance of countertop and avoid sharp edges, make bevels (straight or rounded) on all the edges that are likely to face damage from impacts. We recommend a 2-3 mm bevel. To avoid chip forming during the mitre cutting process, reduce the cutting speed.

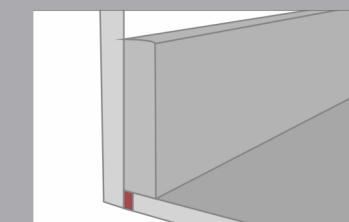


Design Factors

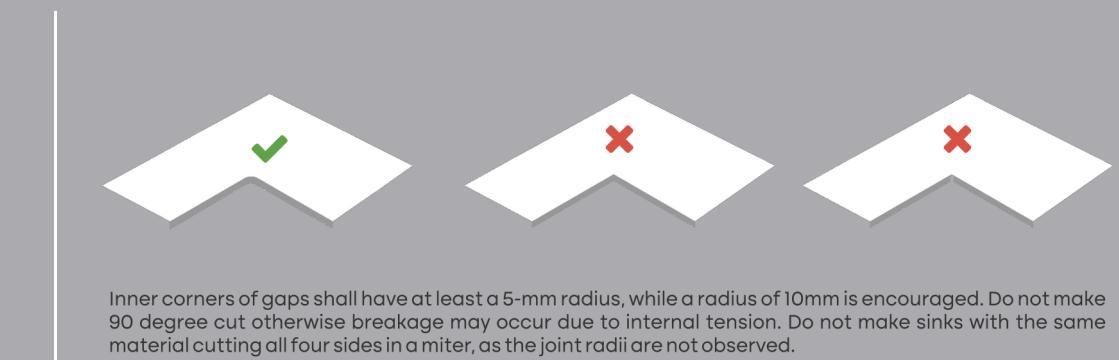
Before starting the counter-top design, consider various factors to prevent potential hassles that may arise during fabrication and application. The following recommendations will help you obtain a more resistant & long-lasting countertop.



It is advisable to leave a minimum distance of 5 cm to outer edges & between gaps.



Make a joint of at least 2 mm from the walls next to the countertop, and seal it after installation to protect the surface. We recommend covering the joint with the trim.



Installation of sinks and induction hobs

It is recommended to leave at least a 2mm gap between the fixture and the edge of the cut-out. If you choose the over-mount installation style, consider water tightness, and seal the joints correctly with silicon. Do not make an undercut of more than 4mm.



Flush



Overlock



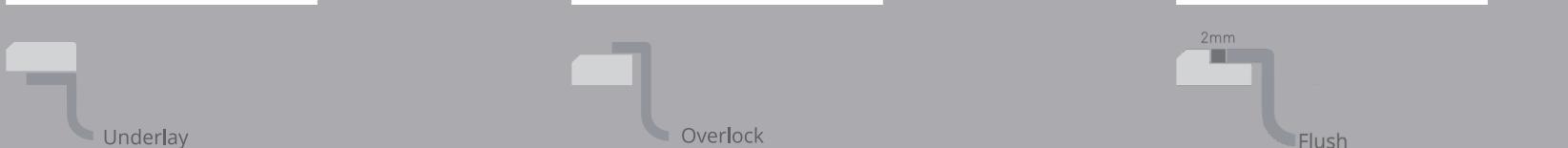
2mm



In case you are installing large format sinks, it is recommended to use a sink setter or support rail system to avoid peeling or breakage.



Overlock



Flush

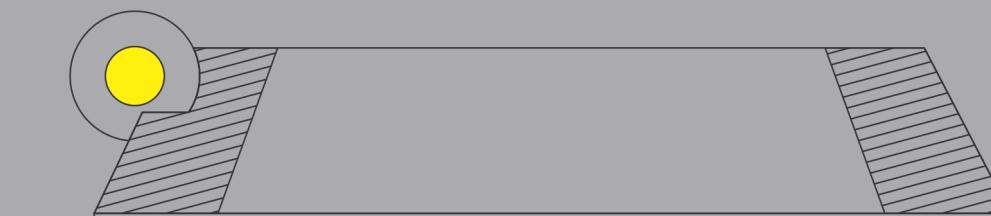
Manual Work

For manual installation, we recommend using a wet operation and suitable tools to drill holes.



Circular Saw Cutting Machine

To make straight cuts with a bridge-type cutting machine, we recommend diamond cutting blades that are suitable for porcelain tiles. The water flow should be at its maximum while cutting to ensure sufficient cooling of the blade. To avoid overheating in the lighter models, we recommend a low-speed blade. Likewise, to prevent breakage when the blade enters or comes out of the piece, the speed recommended by the manufacturer should be reduced to half on the initial and final sections of 20/25 cm width.



Diameter	rpm approx	Speed
300mm	2100-2800	white
350mm	1900-2500	0.5m/min
400mm	1700-2300	other colours
450mm	1400-2000	1m/min
500mm	1200-1600	

recommended values

Water Cutting Machine

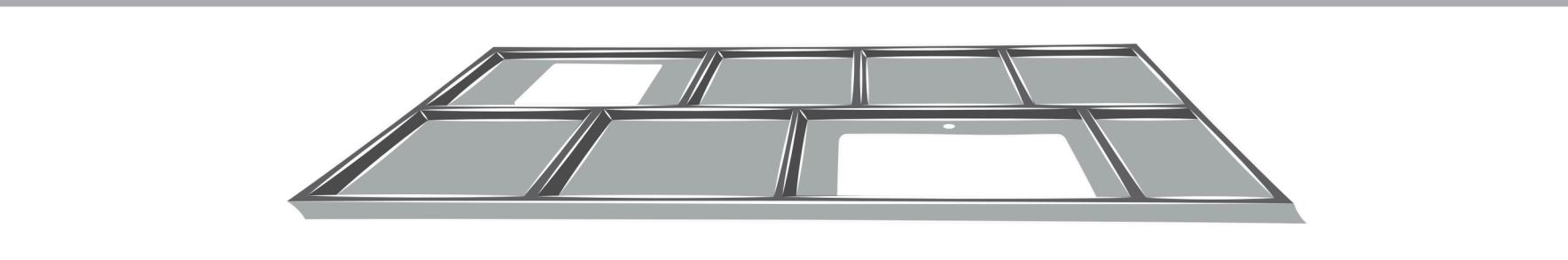
Use water jet cutting machines to cut or drill for a high precision level. The quality of the cut finish will depend on the correct combination of the parameters recommended on the table. This combination can be slightly different depending on the available machinery. As with the CNC cutting machine, we recommend an initial drill inside the opening space that's located preferably in the farthest part from the edge of the piece. From here cut along the cutting perimeter getting to it with a curved movement. If the edge needs to be polished, we recommend reducing it to half the speed for a smoother and easy-to-work finish.



Installation Reinforcements

Once the countertop is transformed, it shall be installed on a completely flat, leveled, and resistant surface in such a way that it is supported correctly. To guarantee sufficient support, a plywood board can be used. In the case of areas with high humidity, a compact board of phenolic resins or an XPS sandwich panel of 20 mm thickness can be used. We recommend gluing with sufficiently elastic adhesives and allowing absorption of expansions between both materials.

The reinforcements and their location shall depend on the shape of the specific counter-top. We recommend placing reinforcement in areas close to the openings and avoiding the presence of spans larger than 60 cm. These reinforcements shall be made from strips of the same material so that the counter-top and the reinforcements expand equally. If the countertop is made up of more than one piece, try to prevent them from hitting each other during adjustments; you can use wedges or suction cups for this, which make it easier to bring them together without potential damage.



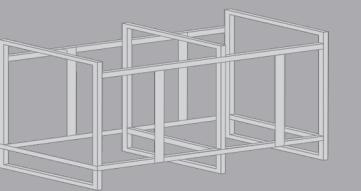
During the transport and handling of the transformed countertop, avoid bending the plate in any way. We recommend moving it in an upright position and with the drilled holes always on top. Likewise, special care should be taken to avoid blows, especially on the edges.

Handling

Packing, transport & handling U-frames

These sketches give the necessary information for handling & transportation of trestles that support the pieces. Recommendations, descriptions, measurements, and weights shall mark the first steps to follow depending on the transport vehicle or the amount of material that it carries each time.

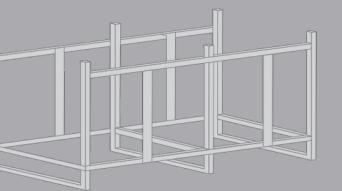
SQUARE FRAME PALLET
Empty



SQUARE FRAME PALLET
28 Boxes



U FRAME PALLET
Empty



U FRAME PALLET
28 Boxes



SQUARE FRAME PALLET
Total Pallet: 11
Total Box: 308



U FRAME PALLET
Total Pallet: 11
Total Box: 308

The trestle shall always be carried symmetrically, and only one at a time to prevent instability or collapse.

Whenever the pallet has to be moved, it must be tied with at least one vertical sling. Place protective cardboard at the height of the ratchet to prevent it from hitting or scratching the workpiece. At rest, provided that the goods are not strapped or secured with slings, vertical poles must be placed to secure the load in the event of overturning.

Technical Specification

CHARACTERISTICS	STANDARD AS PER ISD-13006/2018 En14411 gr.bl	AVANTE 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
Glossiness	As per Mfg.	As per Mfg.	Gloss Meter
Surface quality	Min 95% free from visible defect	Min 95% free from visible defect	Min 95% free from visible defect
Structural Properties			
Water Absorption	≤ 0.5%	≤ 0.6%	ISO 10545-3
Apparent Density	As per Mfg.	>2.20 g/cc	ISO 10545-3
Massive Mechanical Properties			
Modules of Rupture	Min.35N/mm ²	Min.40N/mm ²	ISO 10545-4
Breaking Strength	Min. 1300 N	Min. 5000 N	ISO 10545-4
Impact Resistance	As per Mfg.	Min. 0.55	ISO 10545-4
Structural Properties			
Surface Abrasion Resistance	As per Mfg.	Min. Class 1 in PGVT, Min Class 3 in GVT	ISO 10545-7
Moh's Hardness	As per Mfg.	Min. class 4	BS EM 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. 6.0 X 10 ⁻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.	Frost Proof	N.A

PACKING DETAILS

Tile Size	Thickness	No. of tiles/box	Weight /Box (Approx.)	Coverage Area
800x3200MM	15 MM	01	89 kg.	2.56m ²