

MAXIMUS  
MEGA SLAB



**Through-Body Veining**

MAXIMUS  
MEGA SLAB

**RAK**  
CERAMICS



## **THROUGH-BODY VEINING**

Porcelain tile as real as natural marble

Through-Body Veining is RAK Ceramics' innovative breakthrough in reproducing natural marble and stone veins that pass through the thickness of the porcelain slab's body.

This technology gives porcelain slab a unique design feature, having a consistent marble veining, from the surface to the body until the base - a total synchronization.



Piasentina XL



Grigio Venato



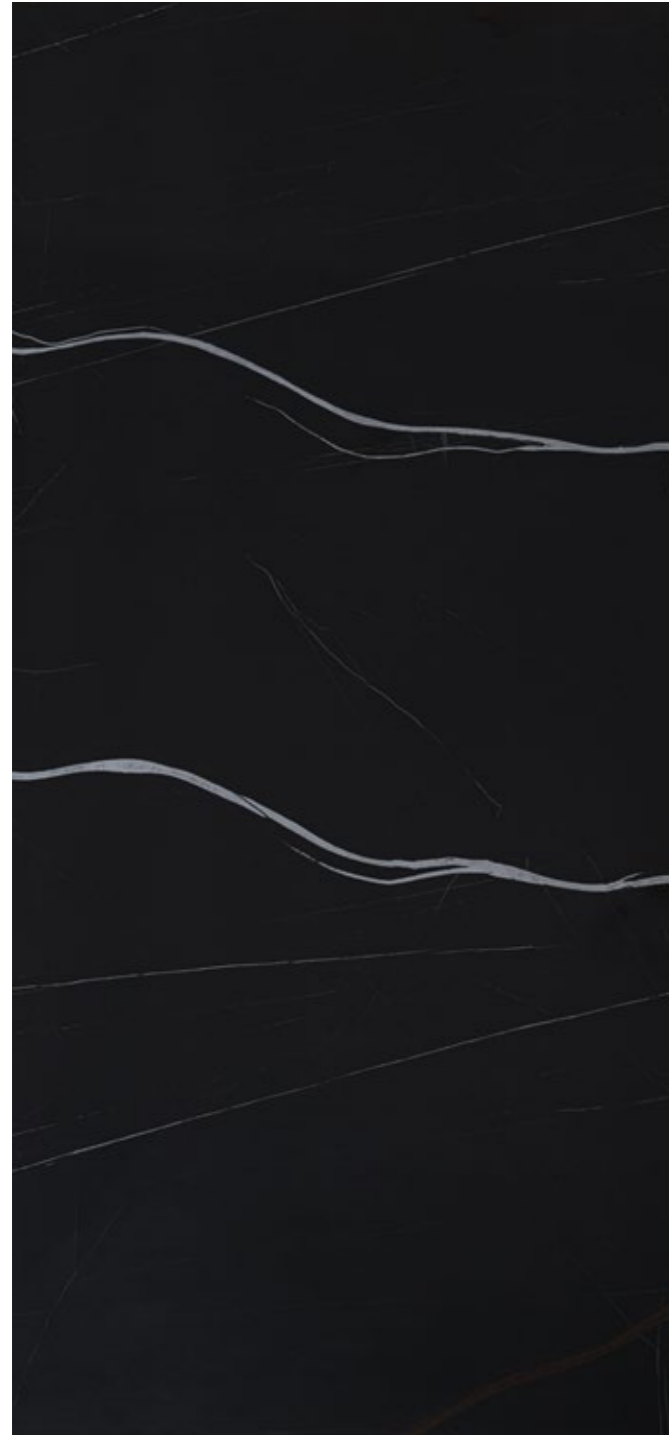
*Saint Lorent*



Viareggio

**SAINT LORENT**

Porcelain Tiles  
Full Lappato



**VIAREGGIO**

Porcelain Tiles  
Full Lappato



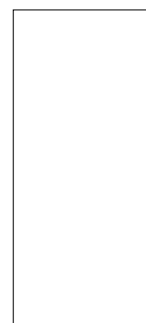
**GRIGIO VENATO**

Porcelain Tiles  
Full Lappato



**PIASENTINA XL**

Porcelain Tiles  
Matt



✦ 14.5 mm

**135x305 cm**  
53.14"x120"

Name	Thickness (MM)	Code	Size(CM)
saint lorent	14.5	A83GSANL-BLK.NoX2P	135x305
viareggio	14.5	A83GVGGO-HWH.NoX2P	135x305
grigio venato	14.5	A83GGGOV-BEE.NoX2P	135x305
piasentina XL	14.5	A83GPTNA-BRN.NoX2R	135x305

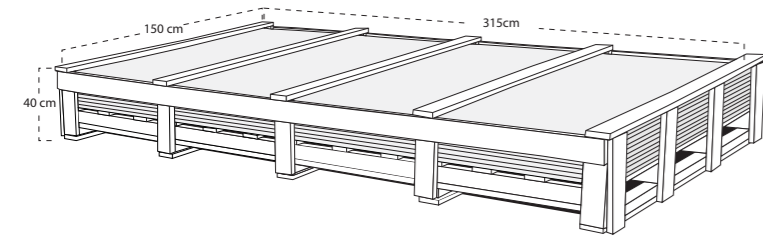


Product sizes



Packaging details

Horizontal Pallet



PALLET DIMENSIONS (CM)

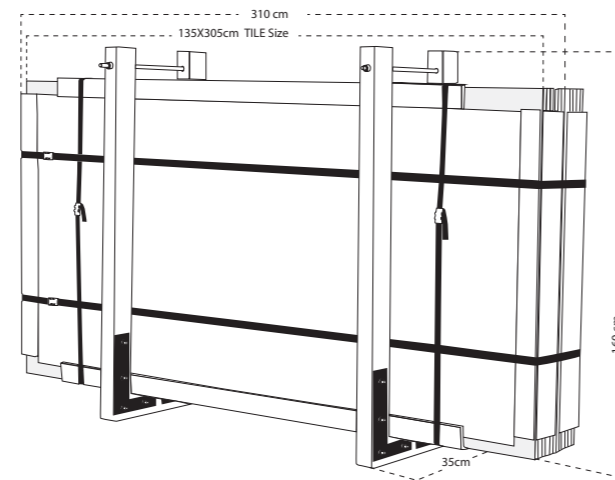
Finish	Length	Height	Width
Polished	315	40	150
Natural	315	40	150

TILE THICKNESS: 14.5MM

FINISH	TILE SIZE (CM)	TILE AREA (sqm)	KG per pc	PCS per pallet	TILE AREA per pallet (sqm)	WEIGHT per pallet (kg)
Polished	135x305	4.12	143	10	41.2	1502
Matt	135x305	4.12	150	10	41.2	1572

Note: All tile dimensions mentioned above are rectified. Unrectified size is available in +/-140x308cm on request  
All weights and thickness mentioned in the above table are approximate average.

A-Frame Vertical Pallet



PALLET DIMENSIONS (CM)

Finish	Length	Height	Width
Polished	310	160	35
Natural	310	160	35

TILE THICKNESS: 14.5MM

FINISH	TILE SIZE (CM)	TILE AREA (sqm)	KG per pc	PCS per pallet	TILE AREA per pallet (sqm)	WEIGHT per pallet (kg)
Polished	135x305	4.12	143	10	41.20	1478
Natural	135x305	4.12	150	10	41.20	1548

Technical specifications

TEST DESCRIPTION	STANDARD TEST METHOD	STANDARD REQUIREMENTS	RAK CERAMICS SPECIFICATION	
			Porcelain Tiles (Natural)	Full Body Porcelain Tiles (Natural/ Polished)
Surface Quality	BS EN ISO 10545-2	A minimum of 95% of the tiles are to be free from visible defects	Minimum of 95% of the tiles are free from visible defects	
Length & Width	BS EN ISO 10545-2	± 1.0mm	± 1.0mm	± 1.0mm
Thickness	BS EN ISO 10545-2	± 0.5mm	± 0.5mm	± 0.5mm
Straightness Of Sides	BS EN ISO 10545-2	± 0.8mm	± 0.8mm	± 0.8mm
Rectangularity	BS EN ISO 10545-2	± 1.5mm	± 1.2mm	± 1.2mm
Surface Flatness: Centre Curvature	BS EN ISO 10545-2	± 1.8mm	± 1.8mm	± 1.8mm
Surface Flatness: Edge Curvature	BS EN ISO 10545-2	± 1.8mm	± 1.5mm	± 1.5mm
Surface Flatness: Warpage	BS EN ISO 10545-2	± 1.8mm	± 1.5mm	± 1.5mm
Water Absorption	BS EN ISO 10545-3	≤ 0.5%	≤ 0.4%	≤ 0.1%
Breaking Strength*	BS EN ISO 10545-4	≥ 1300 N ≥ 700 N	≥ 3500 N -	≥ 3500 N -
Modulus Of Rupture*	BS EN ISO 10545-4	≥ 35 N/mm <sup>2</sup>	≥ 40 N/mm <sup>2</sup>	≥ 40 N/mm <sup>2</sup>
Resistance To Deep Abrasion	BS EN ISO 10545-6	≤ 175 mm <sup>3</sup>	-	≤ 150 mm <sup>3</sup>
Resistance To Surface Abrasion	BS EN ISO 10545-7	Report abrasion class	PEI CLASS 2-5	-
Coefficient Of Linear Thermal Expansion	BS EN ISO 10545-8	Test method available	≤ 7 X 10 <sup>-6</sup> /°C	≤ 7 X 10 <sup>-6</sup> /°C
Resistance To Thermal Shock	BS EN ISO 10545-9	Test method available	No visible defect	No visible defect
Frost Resistance	BS EN ISO 10545-12	Required	No crazing	No visible damage
Resistance To Household Chemicals & Swimming Pool Salts	BS EN ISO 10545-13	Minimum B	No visible damage	Class A No visible effect
Resistance To Low Concentrations Acids & Alkalis	BE EN ISO 10545-13	Manufacturer to state classification	Class A No visible effect	Class LA No visible effect
Resistance To High Concentrations Acids & Alkalis	BS EN ISO 10545-13	Test method available	Class LA No visible effect	Class HA No visible effect
Resistance To Staining (Natural)	BS EN ISO 10545-14	Min. Class 3	Min. Class 4 Stains removed	Min. Class 3 Stains removed
Resistance To Staining (Polished)	BS EN ISO 10545-14	Test method available	-	Min. Class 2 Stains removed

Note: This technical specifications are applicable only to tiles in choice "A".

\* Test performed using 100X100 cm cut pieces from the slab.  
\* Thickness is nominal

Suggested equipment

HANDLING EQUIPMENT

Aluminum Parallel profile with crossbars and Suction Vacuum suction cups with vacuum gauge



Tile Cart Trolley



Double Suction Cups



Modular Work Bench BM180



Modular Work Bench BM180 BM180 Plus ( Perfect Workstation for large format tiles up to 160cm width)



CUTTING AND DRILLING EQUIPMENT

Compass device with suction cups for Circular Cuts



Free cut guide with complete outfit Max. Cut of length – 156 cm



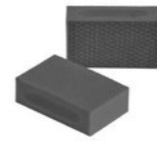
Free Cut Extension



Cutting off pliers for tile/slabs



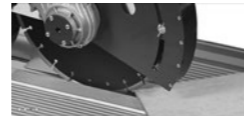
Diamond polishing pad



Diamond for edge and side polishing



Diamond Blades for simultaneous cutting and grooving



INSTALLATION AND LEVELLING EQUIPMENT

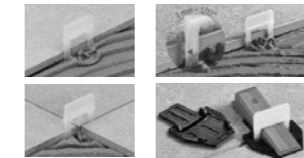
Compact Vibrator or Tile Beater



RLS 3D Clips for tiles



Wedges (for Anti-Chipping / Anti-Scratching preventing platforms)



Adjustable pliers for wall and floor covering



Low-speed mixer



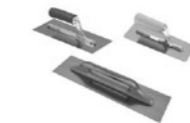
Rubber Grout floats



Slant ridge notched trowel



Diamond for edge and side polishing



CLEANING AND MAINTENANCE

Brooms

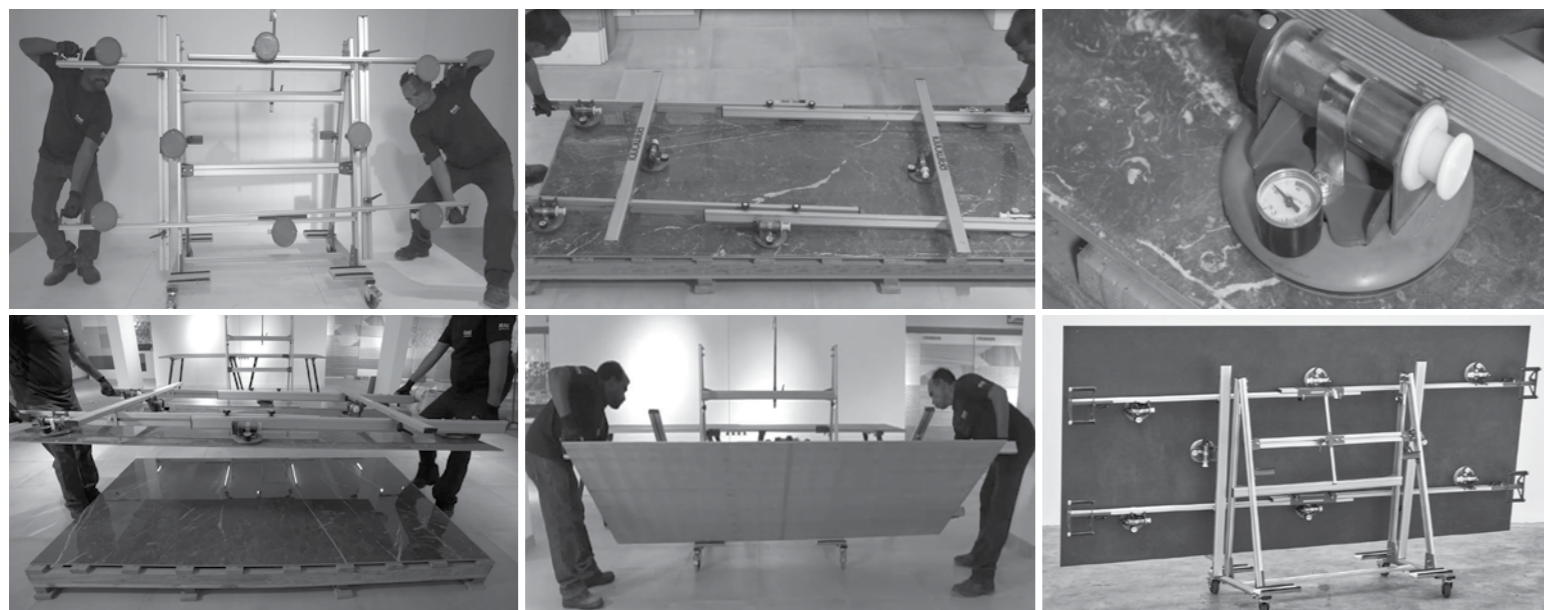
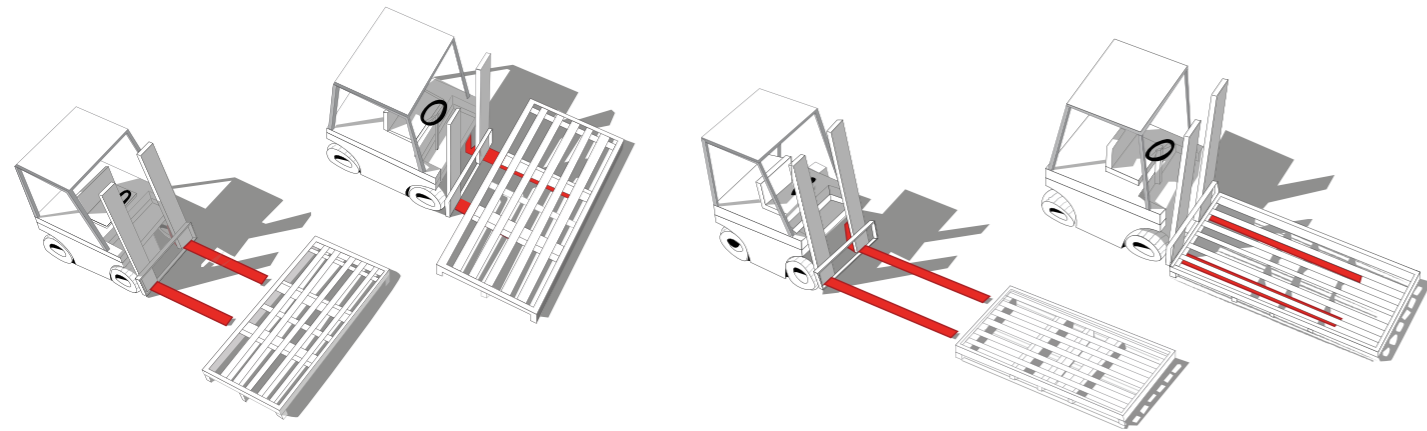


Floats with abrasive pads



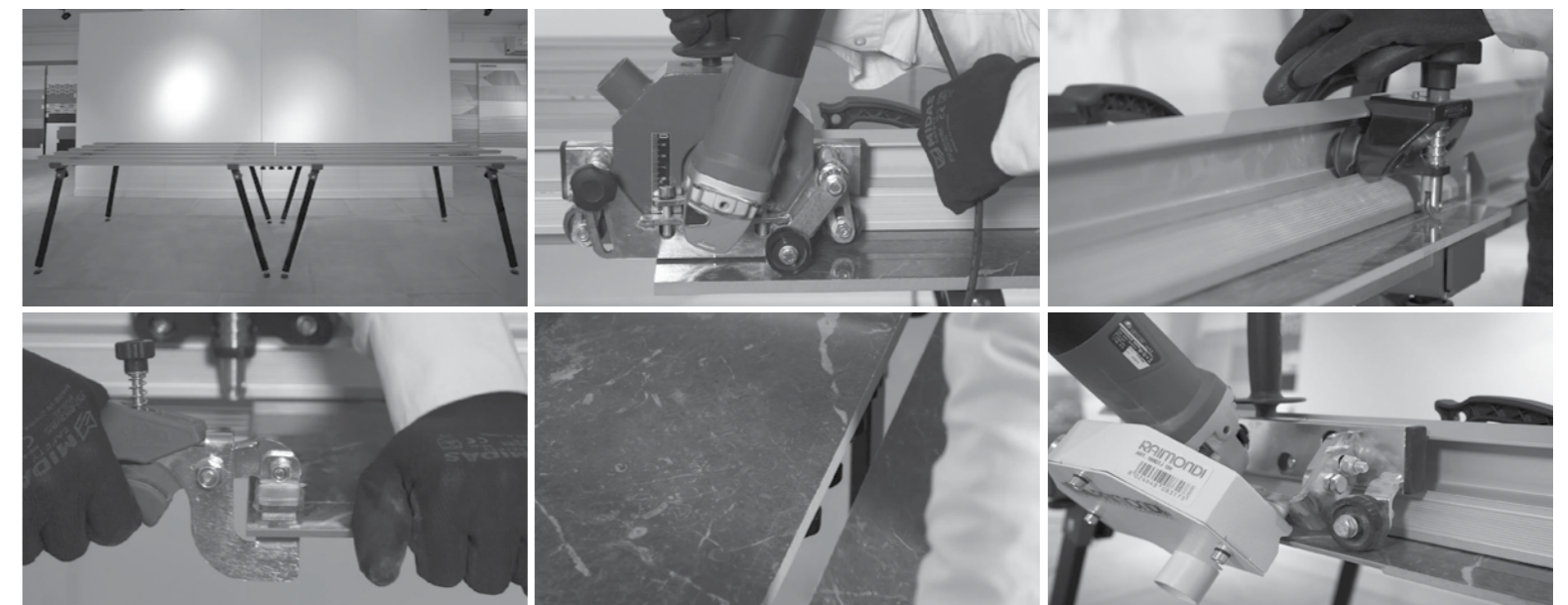
## Handling Maximus

- Maximus extra-large format slabs arrive in oversized crates, which require specific Handling equipment to prevent from damage occurring during forklift operation, specific fork sizes must be used. For example, to handle a crate of 135cm x 305cm tiles from the side, 112cm/ 44" long forks are recommended.
- To handle the same crate from the narrow end requires forks that are at least 213cm/ 84" long. Lifting multiple crates with longer forks may require forklifts with a greater lift capacity.
- Specialized tools and equipment are currently available for the handling, installation and cutting of large porcelain surfaces. Innovative trowels with unique notch configurations can help increase the consistency of the mortar coverage on the back of the tile.
- To increase rigidity and limit twisting, use a system composed of parallel and transverse guides.
- For a perfect adhesion clean the slab and the suckers with a damp sponge.
- The suckers run along the guides and adhere to the slab. Make sure that a vacuum is created between the device and the surface.
- A single guide device can be used for sizes of maximum length.
- Use four operators at a time to carry out handling operations of large size slabs.
- Lift the slab along the long side and hang it vertically to the handles of the frame.
- For the large size slab a suitably reinforced trolley is recommended. Set the guides to the trolley for carrying the slab.
- Follow the same procedure for handling the 120x240cm and all other sub-sizes, where only two operators are sufficient.



## Cut-to-pieces and drilling

- RAK Ceramics recommends the use of special designed devices for handling as well as cutting and laying of big slabs.
- Handle slab with a proper and professional trolley of aluminum parallel profile with crossbars and vacuum suction cups along with a vacuum gauge. Please use double suction cups for slabs above 300cm. This could make sure that appropriate vacuum is created between the device and the slab. Lift the slab and keep it vertically to the trolley frame.
- Keep the slab on a stable, flat and intractable surface. For successful cutting and drilling, RAK Ceramic recommend using a professional modular workbench with aluminum profiles and proper cutting tools for each type of cut.
- Set the cutting unit on the tile so that the references coincide with the marked lines and lock it with the appropriate suckers. Score the slab from one edge to the other, being carefully maintaining the same pressure while moving.
- When the cut has been made, move the slab until the slit line sticks out a 10 to 15 cm from the workbench. Start hew from both sides using appropriate cutting-off pliers and follow the scoring line to complete the hew.
- Smooth rough edges and sides with an appropriate diamond polishing pad.
- To drill internal cutouts from the slab, first you need to draw the guide lines. For circular cuts, use the compass device with suction cups. For rectangular cut, drill first a 5 – 7 mm hole at the corners of the rectangle shape, using a non-percussion drill. For a better drilling always, keep the surface and drill a little bit wet. Then Follow the drilled lines using a diamond-blade angle grinder and then finish off the edges with a diamond-polishing pad. Round holes (4) must be made in wet drilling, using diamond-blades. Start engraving the surface with a 75 degrees point angle, then straighten out the drill avoiding excessive pressure on the slab. Also, in this case finish with a diamond-polishing pad.
- Manual traction devices are available, in order to make a finishing cut at 45° and thus enable special applications of the material.



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