

MAXIMUS  
MEGA SLAB

---

FULL BODY VITRIFIED TILES  
**800x1600 mm**

**RAK**  
CERAMICS




## Index

Albury	4-5
Alpstone	6
Sigma	7
Rhodes	8
Venus	9
Fascino	10
Ipanema	11

STONE

ALBURY

Full body Vitrified tile  
Polished

  $\geq 9$  mm  
80x160 cm  
31.49"x63"



Brown



Ivory




Olive

STONE

ALBURY

Full body Vitrified tile  
Polished

  $\geq 9$  mm  
80x160 cm  
31.49"x63"



White




Grey

ITEM	SIZES (cm / Inches)	THICKNESS (mm)
Albury Brown	80x160 / 31.49 "x63"	9
Albury Ivory	80x160 / 31.49 "x63"	9
Albury Olive	80x160 / 31.49 "x63"	9
Albury White	80x160 / 31.49 "x63"	9
Albury Grey	80x160 / 31.49 "x63"	9

STONE

ALPSTONE

Full body Vitrified tile  
Polished

  $\geq 9$  mm  
80x160 cm  
31.49"x63"



White




Grey

ITEM	SIZES (cm / Inches)	THICKNESS (mm)
Alpstone White	80x160 / 31.49 "x63"	9
Alpstone Grey	80x160 / 31.49 "x63"	9

STONE

SIGMA

Full body Vitrified tile  
Polished | Matt

  $\geq 9$  mm  
80x160 cm  
31.49"x63"



Ivory




Grey

ITEM	SIZES (cm / Inches)	THICKNESS (mm)
Sigma Ivory	80x160 / 31.49 "x63"	9
Sigma Grey	80x160 / 31.49 "x63"	9

STONE

RHODES

Full body Vitrified tile  
Polished | Matt

 **>|< 9 mm**  
**80x160 cm**  
**31.49"x63"**




Rhodes White

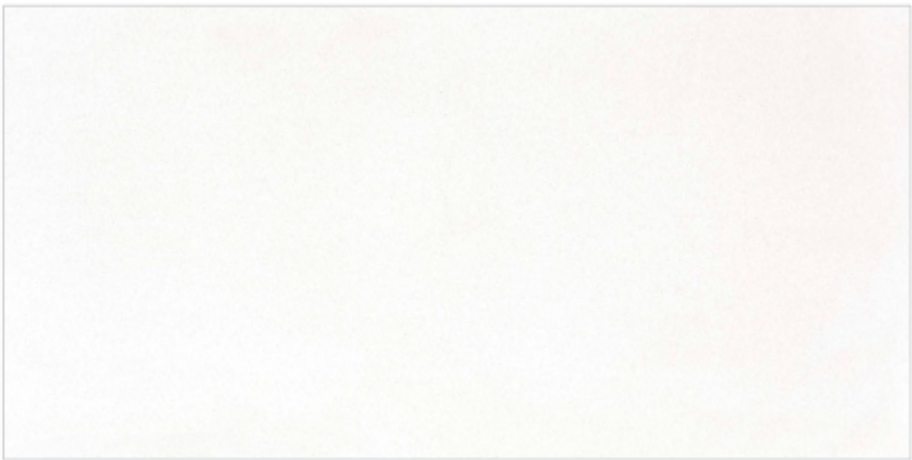
ITEM	SIZES (cm / Inches)	THICKNESS (mm)
Rhodes White	80x160 / 31.49 "x63"	9

STONE

VENUS

Full body Vitrified tile  
Polished

 **>|< 9 mm**  
**80x160 cm**  
**31.49"x63"**



Venus White


ITEM	SIZES (cm / Inches)	THICKNESS (mm)
Venus White	80x160 / 31.49 "x63"	9



STONE

FASCINO

Full body Vitrified tile  
Matt

  $\geq 9$  mm  
80x160 cm  
31.49"x63"



Grey



Dark Grey



Green

SIZES (cm / inches)	THICKNESS (mm)
80x160 / 31.49 "x63"	9


SIZES (cm / inches)	THICKNESS (mm)
80x160 / 31.49 "x63"	9

SIZES (cm / inches)	THICKNESS (mm)
80x160 / 31.49 "x63"	9

STONE

IPANEMA

Full body Vitrified tile  
Matt

  $\geq 9$  mm  
80x160 cm  
31.49"x63"



Brown



Black



Green

SIZES (cm / inches)	THICKNESS (mm)
80x160 / 31.49 "x63"	9

SIZES (cm / inches)	THICKNESS (mm)
80x160 / 31.49 "x63"	9

SIZES (cm / inches)	THICKNESS (mm)
80x160 / 31.49 "x63"	9

TECHNICAL MANUAL

Suggested equipment

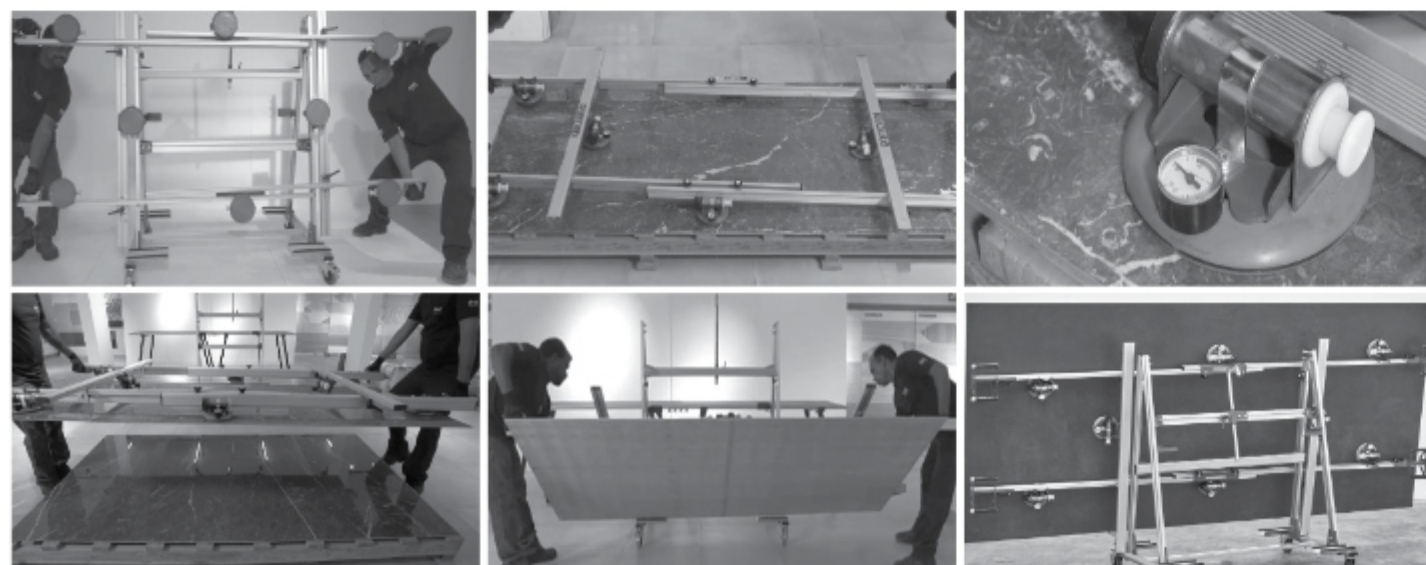
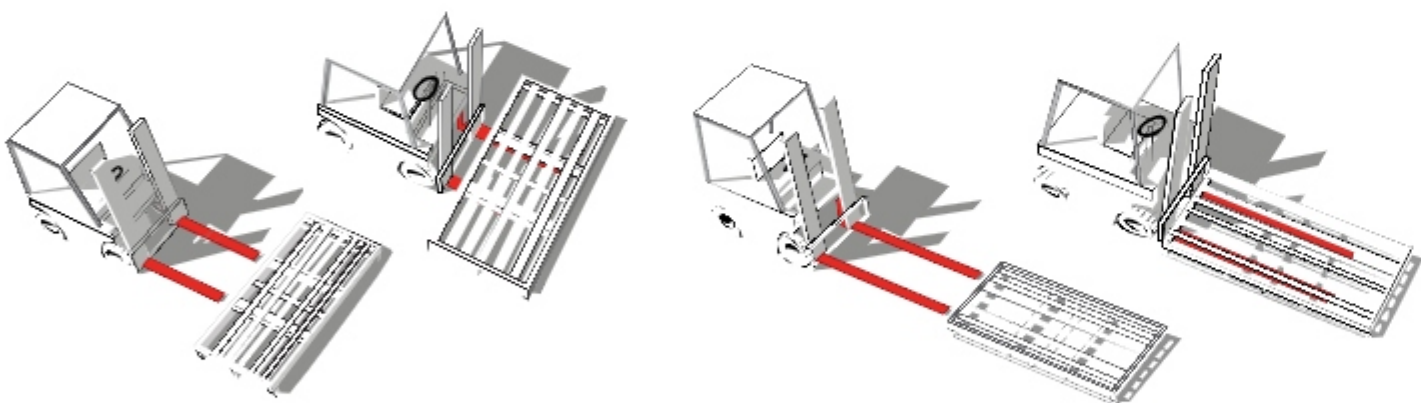
HANDLING EQUIPMENT	CUTTING AND DRILLING EQUIPMENT
Aluminum Parallel profile with crossbars and Suction Vacuum suction cups with vacuum gauge	Compass device with suction cups for Circular Cuts
Tile Cart Trolley	Free cut guide with complete outfit Max. Cut of length – 156 cm
Double Suction Cups	Free Cut Extension
Modular Work Bench BM180	Cutting off pliers for tile/slabs
Modular Work Bench BM180 BM180 Plus ( Perfect Workstation for large format tiles up to 160cm width)	Diamond polishing pad
	Diamond for edge and side polishing
	Diamond Blades for simultaneous cutting and grooving

INSTALLATION AND LEVELLING EQUIPMENT	CLEANING AND MAINTENANCE
Compact Vibrator or Tile Beater	Brooms
RLS 3D Clips for tiles	Floats with abrasive pads
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	



## 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.





# TECHNICAL MANUAL

## Installation

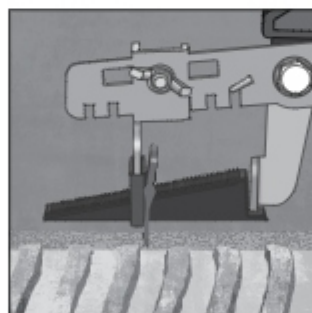
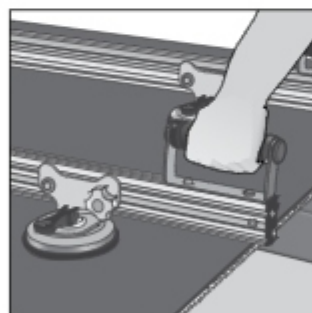
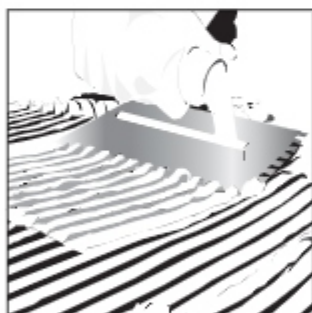
Laying "Maximus" slabs requires similar laying conditions to those required for traditional format slabs. Maximus requires the adhesive to be applied both on the setting bed and on the back of the slab.

### Maximus Slabs For Flooring Require The Following Conditions:

- A flat surface that is clean and free from dust, scraps and any lumps of cement
- The setting bed must be uniform and have already undergone the dry shrinkage process
- Repair any cracks
- Any uneven parts on the surface must be filled with suitable levelling compounds

### Instruments Required

- Cement-based powder adhesive for full spread, class "C2E according to EN12004 and S1 according to EN12002 standards"
- 3x3 mm square toothed trowel and 15 mm round toothed trowel
- Frame with suction cups for handling or double suction cups
- Non-bounce plastic mallet 170x370 mm
- Levelling system: base clip + wedge + pliers



### Bonding To The Floor

- Ensure that the surface to be covered is solid, flat and free from dust and oil/grease.
- Use the adhesives described above mixed according to the specifications indicated in the technical data sheet of the chosen adhesive.
- Spread the adhesive onto the surface to be covered with a 15 mm round toothed trowel across an area of 5/10 cm more than the dimensions of the slab.
- With the slab in a vertical position on the handling frame, spread the adhesive onto the back of the slab with a 3x3 mm square toothed trowel.
- Using the frame with suction cups, bring the slab into a horizontal position and lay it.
- To guarantee uniform bonding of the slab, the special 170x370 mm non-bounce plastic mallet must be used, tapping from the middle towards the edges so as to remove any air pockets between the back of the slab, the adhesive and the surface to be tiled using the levelling system.

## Bonding To The Wall

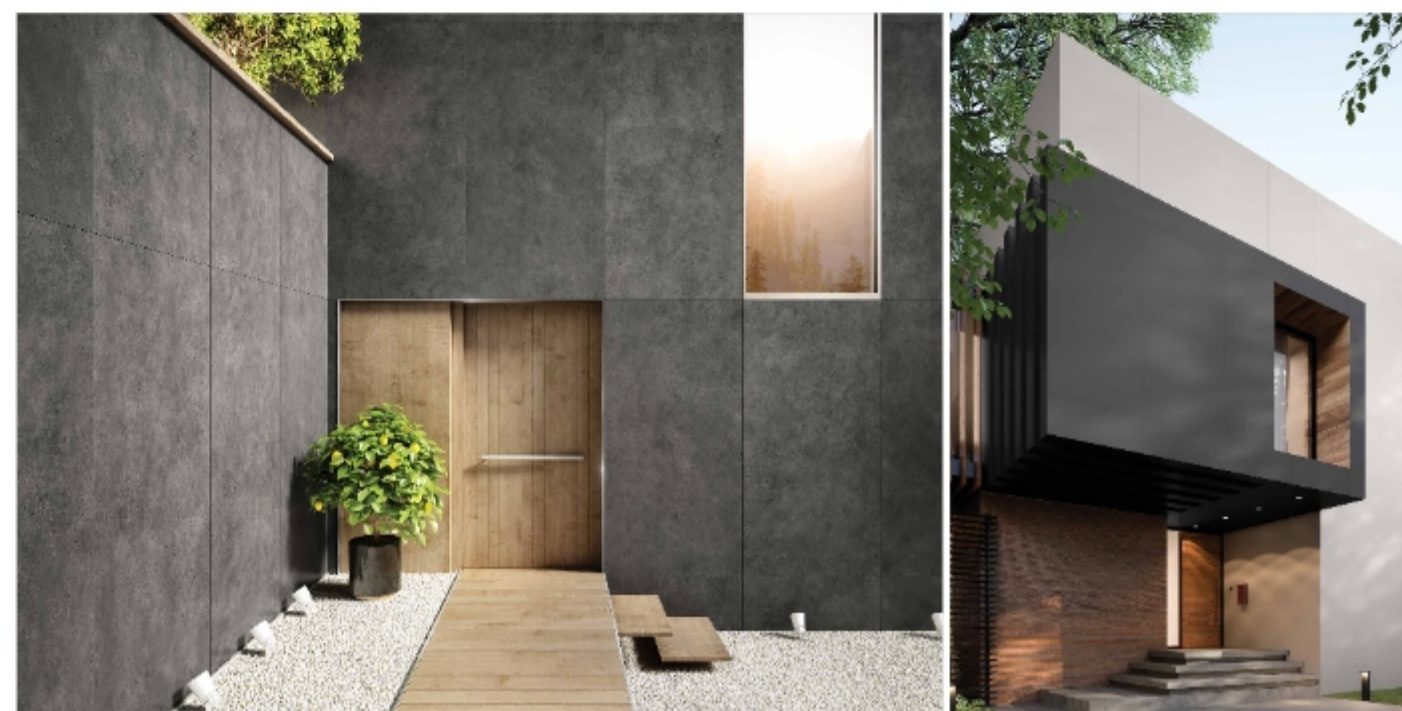
- Ensure that the surface to be covered is solid, flat and free from dust.
- Cement-based powder adhesive for full spread, class "C2E according to EN12004 and S1 according to EN12002 standards".
- Spread the adhesive onto the surface to be covered with a 15 mm round toothed trowel across an area of 5/10 cm more than the dimensions of the slab.
- With the slab in a vertical position on the handling frame, spread the adhesive onto the back of the slab with a 3x3 mm square toothed trowel.
- Using the handling frame in a vertical position lay the slab.
- Before releasing the slab from the handling frame, ensure that the adhesive will hold it in place.
- To guarantee complete bonding of the slab and eliminate any air, tap from the middle towards the edges using the non-bounce plastic mallet.
- Before bonding the next slab, fix the hidden mechanical hook to the wall with the relevant nails (length 27 mm) using the gas-powered nailing machine.

### Ventilated Façade

#### Maximus Mega Slab – Ventilated Façade Systems

A ventilated façade is a coating system on the outside of a building which leaves a ventilated chamber between the coating (façade) and the building insulation. Considered as the best solution for maximising insulation whilst reducing unwanted condensation or thermal bridge problems, ventilated façades provide excellent thermal-hygrometric solutions.

- Advantages of Ventilated Façade Systems
- Energy Saving – Excellent thermal insulation, reduction in heat/cool dispersal, and less heat absorption in warm climates.
- Technical and Aesthetic Durability – Significant reduction in deterioration due to pollution, does not absorb dust or dirt, easy to clean and maintain and promotes humidity dispersal.
- Healthier Environment – Increased comfort for users and meets all hygiene, health and environmental protection standards.



# RAK

CERAMICS

RAK CERAMICS India Pvt. Ltd.  
Carnival House, 1st Floor,  
Near Dindoshi Fire Station,  
Off Gen. A. K. Vaidya Marg,  
Malad (East). Mumbai 400097.  
Maharashtra. India.  
[RAKCERAMICS.COM/INDIA](http://RAKCERAMICS.COM/INDIA)  
Toll Free: 18001025829

---

[RAKCERAMICS.COM](http://RAKCERAMICS.COM)

---