

Slabs

Shipping



- Shipping
- Handling
- Tools Needed
- Manipulation
- Floor wall Installation

FOR ALL PANELS FROM 120" X 60" & 60" X 60",
VERTICAL TRANSPORTATION IS PREFERRED BY USING A-FRAME PACKAGING:

- A-frame packaging can hold up to 50 pieces of 5'x10' porcelain panels vertically.



OTHER SIZE PACKAGING:

- 15"x30", 30"x30", and 30"x60" are regularly packaged in a box and shipped in wood crates. 60"x60" are shipped flat in reinforced crates, holding 24 pieces per crate, or on a vertical A-frame holding up to 48 pieces.

WHEN TAKING DELIVERY OF LARGE PORCELAIN PANELS 120" X 60" & 60" X 60"
PLEASE NOTE THE FOLLOWING:

- It is important to examine any shipment to notate any damage on BOL or a claim may be refused.
- If you detect any defect after taking delivery of the panels, and prior to cutting, do not proceed with the processing. Call your customer service or sales representative immediately.

We do not recommend using the same A-frame to ship with as that received from the factory

- When uncrating the panels, always apply clamps on an A-frame before strapping band is cut from the crate.



- Use a forklift boom & pitch clamp to carefully move the panels from the original slim factory A-frame, to an A-frame with a wider base and more obtuse angle. We recommend padding the A-frame prior to placing the panels on to each of its sides.



- Use 3 straps to tie the panels to the A-frame, and wrap plastic around the entire A-frame 3X to prepare the package for shipment.





- For the correct handling of the pallets, a fork lift truck must be used, at least 8 ft. long, with the forks positioned in the largest width position.
- Under normal conditions, the forks are positioned in the middle of the long side of the pallet, as they must grip the whole depth of the pallet.
- To allow the loading or extraction of the slabs easily and safely, it is recommended to position the pallets in a suitable area where the lift truck can be moved around all sides of the pallet.



- On all LTL shipments (12 panels or less), always strap A-frames securely inside of a cab. Never clamp them.



- Pump Activated Suction cup handles are recommended to move a panel a short distance. Panel weight is approx. 140 lbs. and no more than 2 experienced people are suggested to move.

- To safely transport up to 8 slabs of 6mm from warehouse to job site we strongly recommend the use of a transporter. The transporter is also designed to store slabs on the job site.



- Make sure to use proper base support when standing a panel. The use of two support pieces about 2" thick and 24" from each end of the panel, or a solid base with protective cushioning is recommended.

PLEASE USE PROPER HANDLING TOOLS WHEN MOVING THE PANELS OR CRATES

- Forklift Extension
- Suction Cups
- Large Porcelain Panel Tile Transporter
- Forklift Boom & Pinch Clamp



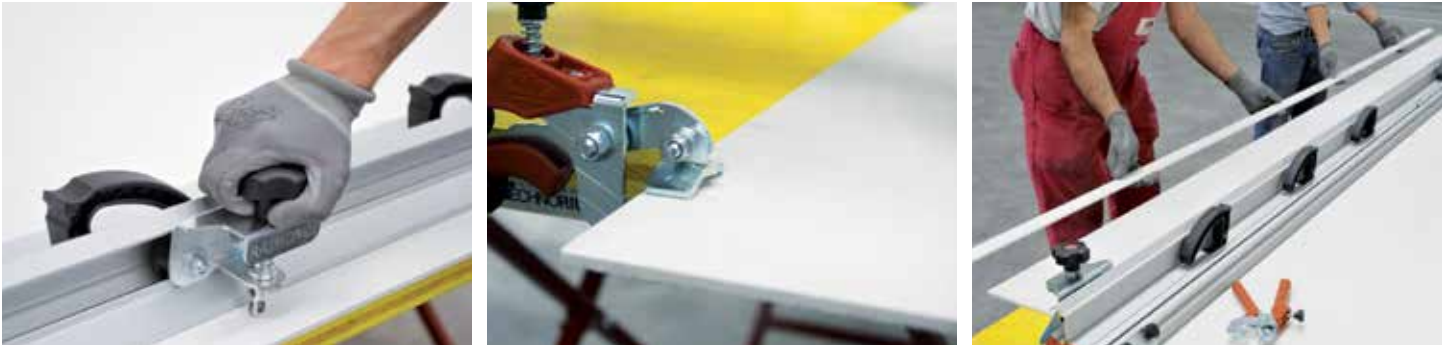
OTHER HANDLING TOOLS NEEDED

- Rigid Working Table to Match the Dimension of the Panels 120" x 60" or larger *See photo above.*
- Scoring Tools
- Variable Speed Grinder With Electroplated Diamond Blades

LIST OF TOOLS & MATERIALS NEEDED FOR PORCELAIN PANEL INSTALLATION JOBS

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- Tape measure
 - Framing square
 - Marking pencil / china marker
 - Chalk line
 - Grid (graph) paper
 - Carpenter's triangle
 - Safety glasses
 - Safety gloves
 - Knee pads
 - Buckets
 - Drill and mixing paddle
 - Spray bottle
 - Trowel specific to large panels
 - 2 x 4
 - Rubber mallet
 - Sponges
 - Abrasive stone
 - Manual tile cutter
 - Tile nipper
 - Grout float
 - Cheesecloth
 - Tile spacer / Leveling system
 - Water
 - Thin-set mortar
 - Grout
 - Painter's tape
 - Grout haze / film remover
 - Grout sealer
 - StainBlocker for grout
 - Paper towels

- The “score and snap” is the preferred method for straight cuts (from one end of the panel to the other) using a recommended tool.



- When planning a cut that will be the full length of the panel, either with a plunge cut, or starting at the edge, mark and drill a relief hole at the termination point of the cut, then cut towards the relief hole. Properly support piece equally across entire surface of the piece when setting in mortar and prior to handling for installation.
- When planning a plunge cut, drill a relief hole with an electroplated core bit at the termination point of the cut, prior to beginning the cut. Always cut towards the relief hole.
- When planning a “U” shaped cut, mark, and drill relief holes where the cut lines will intersect. Always make the shortest cuts first, leaving your waste/dropout attached to the largest part of your desired piece for the final cut.
- When planning an “L” shaped cut, mark and drill relief holes where the cut lines will intersect, always cut the shortest length first, and cut towards the relief hole.



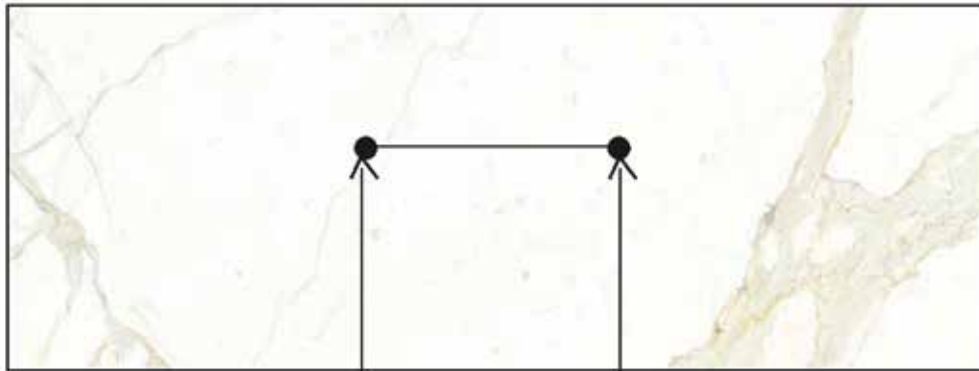
- When manipulating large porcelain panels, a variable speed right angle grinder is strongly suggested to reduce vibration. Electroplated diamond blades or electroplated diamond drill bits should be used for various cuts and manipulations.



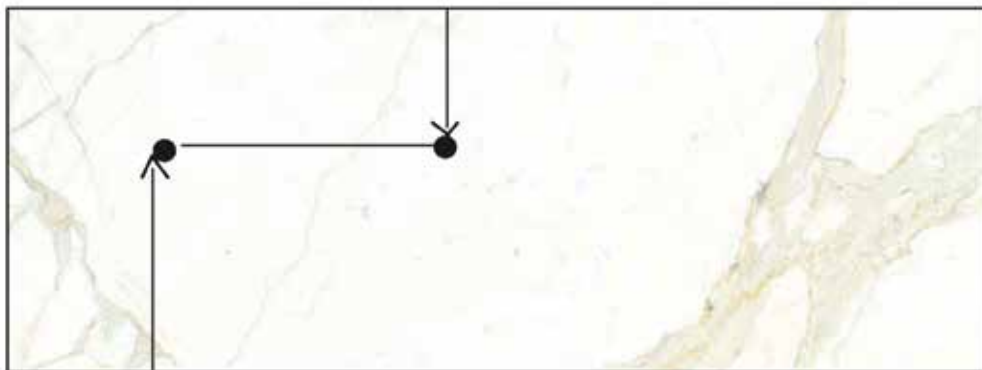
IMPORTANT: Always cut towards the relief hole.



When cutting a “U” shaped piece, mark, and drill relief holes where the cut lines intersect. Always make the shortest cut first.



When cutting an “L” , drill relief holes where the cut lines intersect, always make the shortest cut first.



Color matched or tinted polyester, epoxy compounds or equivalent are often used to fill edges and bring the pieces together to form a smooth transition.



ALWAYS PROPERLY SUPPORT EACH PIECE PRIOR TO INSTALLATION.



- Large porcelain panels can be installed over concrete or other suitable substrates. You must honor all expansion joints or any defects in the substrate and mitigate prior to installation.
- Substrate should be a minimum of 1/4" over 10 feet in flatness.
- The back of the panel and substrate should be spread the same direction at the shortest distance with a modified LFT thin set mortar to achieve 100% coverage.

- Self-leveling systems are required to achieve desired flatness between joints. Fill any voids with the mortar for complete support.
- Recommended tools and techniques need to be used to ensure full bond of the panel. Recommended techniques should be followed to move air out from underneath the panels.
- The setting material manufacturers have vast experience in the installation of porcelain tiles and large porcelain panels. Accordingly, we strongly recommend that the installer should contact the relevant setting material manufacturers and seek their advice prior to installation of our large porcelain panels.



- It is very important to spread thin set the same direction on both the substrate and the panel, the shortest direction of panels. Thin set brands we recommend are: LFT by Mapei, Prolite by Custom, 254 Platinum by Laticrete, and x77 Walls & x78 Floors by Ardex Tec.



Example of proper full mortar coverage

- Place tile into the fresh mortar and firmly press to cause the ridges to flatten out and come together into a continuous void free bed. Install desired spacers/levelers of preferred grout joint design width.
 - Polymer added sanded and unsanded grout, epoxy grout, silicone, or polyurethane can be used to fill the joints. If using
 - epoxy grout, make sure to follow proper cleaning instruction within the manufacturers' specific time frame.
- NOTE: Recommended 1/8" grout joint width should be maintained throughout the entire installation. Countertop seams can be butted.

Mondani does not accept any responsibility nor does it recommend a particular method of installation. It is the responsibility of the installer/buyer to design the tiling system based on the advice obtained from the setting material manufacturer.