

Precautions to Be Taken Before Any Form of Installation

- Always call before you dig. It is important to contact all telecommunication and utility companies, in order to mark existing cables and pipes before excavation.
- Always read instruction manual for any equipment before use, and adhere to all safety instructions.
- Always use proper safety equipment when installing porcelain pavers: e.g. glove, safety goggle, knee pads, and hearing protection.
- When lifting product always use assistance, and proper lifting techniques.
- Always slope paved surface at least 2% away from buildings or foundations.
- Never use a plate compactor on porcelain pavers.

Preliminary Information

Cutting porcelain pavers

- Always read instruction manual for any equipment before use, and adhere to all safety instructions.
- Due to the thickness and natural hardness of porcelain paver, they require a wet saw with at least 1.5 HP, and a 10" or 8" diamond blade. Take into consideration the length of cut when choosing the appropriate saw for different sized porcelain pavers. The length of cut should be at least 24", or 38" for diagonal cuts.
- Be aware that all cut porcelain edges will be very sharp; handle with care.

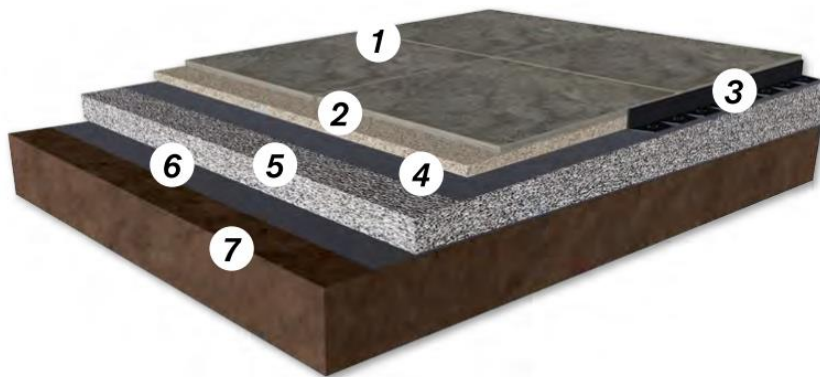
Handling porcelain pavers

- When lifting product always use assistance, and proper lifting techniques.

Cleaning and Maintenance

- Use a common neutral detergent and a direct water jet for proper cleaning of the surface.
- For a more intense cleaning be sure to use a brush or broom with soft nylon bristles.

Sand Set Installation (Pedestrian Foot Traffic)



- 1_ Porcelain Paver
- 2_ SETTING BED patio paver sand
- 3_ Edge Restraint
- 4_ Landscaping Fabric
- 5_ SUB BASE paver base
- 6_ need to get rid of this from the image
- 7_ Soil

Excavation

- When digging make sure to dig a depth that will include the entire base. The depth of the base will be determined by preexisting soil and climate conditions in your area.
 - Most normal soils will require a total depth of 6"

Soil Compaction

- Compact the soil ensuring a minimum of 2% slope away from buildings and foundations. This will increase the load bearing strength of the soil, and minimize movement due to freezing or thawing and other seasonal changes.

Sub-Base and Landscaping Fabric

- Prepare a sub-base 4" of paver base to allow for drainage and stability. Compact the sub base and level off, ensuring a 2% slope away from any buildings or foundations. Gently mist the compacted sub base to further compact this layer.
- Cover the top of the prepared sub-base with landscaping fabric. Be sure to follow the specific instructions of the landscape fabric producer. Landscaping fabric will increase the stability and the longevity of the installation.

Preparation of Setting Bed

- Lay 1" thick pipe (screed rails) parallel every couple of feet. Fill with 1" of patio paver sand (ASTM C33). Pass a flat board over the screed rails to level out sand base, ensuring a slope of at least 2% away from any buildings or foundations. Remove screed rails and fill gaps with patio paver sand, and level. Gently mist application before applying pavers, this will help compact the sand setting bed.

Installation of Slabs

- Select size and color of the pavers and install them on the prepared surface. Complete the laying scheme according to the project specifications or to your preferences.
- To achieve a more natural look randomly select pavers from different boxes. This will maximize the effect of shade variation on the installed surface.

- Always leave a joint between the slabs of at least 3/16" inch, while using proper plastic spacers. This will avoid porcelain to porcelain contact.



Edge Restraint

- Install edge restraints according to project specifications, and the indications of the restraint producer. This will help reduce horizontal creeping, and the loss sand or gravel at the edges of the installation. Edge restraints should be tall enough to contain setting bed materials and pavers, but not higher than the installation.

FILLING IN THE JOINTS

- Polymeric sand should be installed according to the instructions provided by the producer.
- **Never use a vibrating plate compactor on the porcelain paver surface.** A rubber/PVC mallet can be used instead to help adhere the pavers to the support.