



Introduction

Porcelain pavers can be installed over Sand, Grass, Gravel, Concrete or raised pedestals. ***However, we believe the best practice is mortar over concrete. If you choose to sand set all recommendations must be followed for edging, polymeric sand, spacers, and appropriate tile system.**

Porcelain pavers will arrive wrapped in heavy duty plastic and cardboard boxes. Pallets should be blended if installing more than one pallet. ***Do not install without checking all shades on included boxes match up to 2 shades up or down from each other example 58D plus up to 60D or down to 56D and blend installation,**

These installation instructions were created to assist professional hardscape contractors, Tile or Paver installers who already have the necessary skills and experience to install stone pavers.

Proper Tools • A wet cut tile saw equipped with a diamond blade manufactured for wet cutting porcelain that is $\frac{3}{4}$ "-1.18" thick. The saw should be designed to safely cut a 24"-48" long porcelain paver. ** www.alpha-tools.com www.rubi.com/us/diamond-blades-s12

For mortar set installations: Trowels and grout float (based on recommendations from grout manufacturers.)

IMPORTANT: Always pre-compact and strike off your sand leveling course before installing your porcelain pavers in sand set installations. Do not compact the surface of a Porcelain paver. The sand layer will require being compacted.

Plastic Porcelain paver spacers should be used for sand set installations.

Joint Filling Instructions: Sand set Installation ***See recommendations for sand** <https://alliancegator.com> https://techniseal.com/pro_enus/all/accessories

Remove all excess sand and dust from the surface. After the joints are full and the surface is clean, wet the area of the pavement with water to activate the sand. Use polymeric sand to fill in joints. Make sure the sand is fine-grained enough to pass through and fill 4mm joints. The two-part polymeric sands are a great option, like the Azpect, Easy Grout. Sweep sand into open joints until they are the polymer and cure the mixture. When using polymeric sand, it is important to follow the manufacturer's instructions to avoid surface staining and allow proper hardening. Polymeric sand locks in the pavers and limits movement.

***See recommendation sheet**

Sand Set Over Compacted Road Base Installation – Pedestrian only-When digging, consider the thickness of the $\frac{3}{4}$ " paver, the compacted sand, and the road base. (The required road base thickness is determined by soil and climatic conditions.) 3. Compact the soil ensuring a slope away from buildings and foundations. 4. After digging out and

compacting the subgrade you can lay geo textile if it is needed (Geotextile is a filter fabric that allows water to pass without disturbing the particles underneath. It separates the base from the soil and limits weed growth.) 5. Install the base and ensure it is well compacted. 6. Install bedding sand (granite fines), compact and screed to ensure layer is flat. This helps support pavers and prevents lippage. 7. Lay pavers. Use spacers to ensure .15" inch joint space between pavers. Use a level to determine any high or low spots. (Note: Always, make sure pavers are sloped away from buildings and foundations.) 8. Install a metal edging edge restraint, or mortar-set pavers along the edge. 9. Fill joints with polymeric sand. Clean out the joints and then sweep sand into open joints until they are completely full. After all the joints are full and the surface is clean, wet the pavers with water to activate the polymer and cure the mixture. Caution: Do not saturate the surface with a hose. It will wash the polymer binder out of the sand mixture and remove sand from joints.

Mortar Setting on a concrete base – Lighter Vehicular Traffic

***See product recommendations.**

Make sure pavement is constructed with a 2-degree pitch, angled away from any building.

Use a large and heavy tile mortar like a Premium Large Format Tile Mortar or Crack Prevention Large Format Tile Mortar.

Use grout approved for exterior use.

For cementitious adhesive and grout installation, refer to the adhesive and grout manufacturer's outdoor installation instructions.

Pedestal installation: As an option for patios, terraces can be installed over pedestal systems. The benefits of a pedestal are that wiring, or heating system can be laid under the system. Pedestals are great for laying large areas quickly.

***When using any paver larger than a 24"x24"x2cm the pavers should be installed on a 1/3 bond 33% offset to prevent lippage and cracking. We also always recommend using the at minimum the minimum joint requirement. See catalogs or binders for details. A running bond (brick) pattern is not recommended with large format tiles or pavers.**

Savannah Stone Source accepts no responsibility for installation or installation methods used. All projects and jobs are unique in nature and the installer and dealer should be referred to when making these decisions. Savannah Stone Source assures our products are in good condition on arrival. Savannah Stone Source accepts no responsibility on behalf of the dealer or installer if product recommendations and best practices are not followed.