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| <ol style="list-style-type: none"> 1. Paver edging. Mortared border piece. 2. 3CM Porcelain Paver. 3. Bedding sand $\frac{1}{2}$" to 1" Max. 4. Permanent Hardscape spacer. | <ol style="list-style-type: none"> 5. Joint Mason sand or polymeric sand. 6. Crushed rock / road base / concrete base. 7. Filter fabric. |
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PLEASE NOTE

REQUIRED TOOLS:	
1.	Wet Saw
2.	Continuous Diamond Blade
3.	Compactor w/ Mat

JOINT FILLING OPTIONS

When installing porcelain paver on sand set base, fill paver joints with these options:

TRADITIONAL SAND – USE 1/16" SPACER

Fill the open joints with traditional dry sand until completely filled. Sweep any excess sand off the pavers. Refilling of the joints with sand may be needed in the future due to wind and rain erosion.

POLYMERIC SAND – USE 1/8" SPACER

Polymeric sand is a blend of polymers which harden when subjected to moisture.

Use a squeegee to install the sand into the open joints until completely filled.

Use a roller compactor to compact the polymeric sand into the joints. This will assure there are no air gaps which could cause the polymeric sand to fail. Once the polymeric sand has settled the joints, re-application will be necessary to fill them. Any excess sand and dust must be swept from the surface. Use a blower for the final dust removal to make certain all excess sand is removed. Any residual sand or dust can result in staining of the surface. Once the filling of the joints and the cleaning of the surface is complete, mist the pavement with water which activates the polymer and cures the mixture.

NORTHERN STATES CLIMATE

INSTALLATION INFORMATION AND RECOMMENDATIONS

Specific details and instructions are given for each of the following installation options. Different climates and geographical locations will affect the thickness of the base. Depending on the location, contractors will install the standard base thickness to install porcelain pavers for the needs of the area. When installing porcelain pavers, the bedding course sand must be pre-compacted and then struck off with a screed to the required thickness as shown in the drawings. Before the laying of the porcelain pavers, the sand layer underneath must be pre-compacted. The sand layer needs a 5 to 6% moisture content to insure a smooth strike off finish.

Compacting dry sand will not give the desired results.

- Only use a paver saw with a wet cut porcelain blade to wet cut porcelain pavers.
- Before installing your porcelain pavers in sand set installations, pre-compact and strike off your sand leveling course.
- Plastic 3/16" or 1/8" spacers must always be used to install pavers on sand set and permeable installations.
The photo illustrates the use of the 3/16" or 1/8" spacer to support and space the 4 paver corners.
- Never install pavers with porcelain to porcelain contact
- The use of plate compactors is not recommended to be used on the porcelain pavers.

TYPICAL FLEXIBLE BASE INSTALLATION (Pedestrian Foot Traffic)

Practical Installation

- Base Material is to be over dug 6" to 8" beyond the edge restraint with a vertical height or 1.5" (4cm)
- Insure that pavement is constructed with a 1" 10" slope that it is pitched away from any building.
- Insure the plastic 3/16" or 1/8" spacers are installed at all corners of the installed pavers, in order to prevent pavers from touching each other (and potentially chipping) and to allow better water drainage.