



GEOCERAMICA®
Porcelain + Paver

**INSTALLATION
GUIDE**

INSTALLING GEOCERAMICA®

BUILT FOR PERFORMANCE. DESIGNED FOR SIMPLICITY.

GeoCeramica® combines a 10 mm premium outdoor porcelain surface with a high-performance concrete base, delivering a design-forward hardscape solution that installs like a paver while offering the durability of a structural system.

Engineered in Europe and proven across millions of square feet worldwide, GeoCeramica® is designed for patios, walkways, pool decks, rooftops, and other exterior applications where durability, stability, and aesthetics matter.

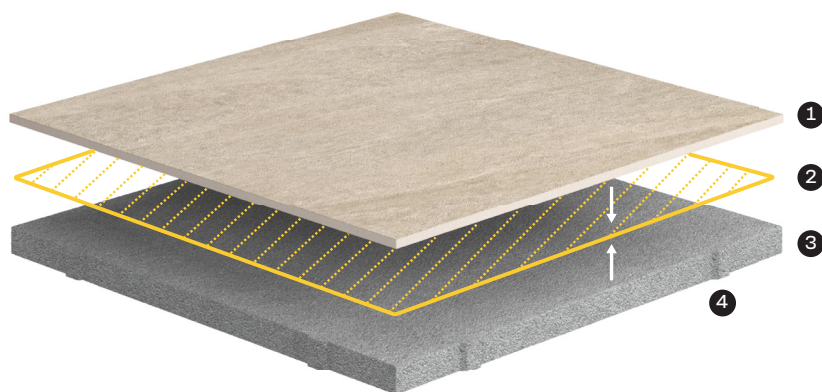
This guide outlines best-practice installation methods to ensure long-term performance, especially in freeze-thaw environments.

WHAT MAKES GEOCERAMICA® PERFORM:

- Porcelain surface permanently bonded to a concrete paver base
- Permanent AquaFerm® binding agent
- 3 mm Integrated spacer bars for consistent joints
- Installs using familiar concrete paver methods
- Optimized for open-graded base systems and demanding climates

TECHNOLOGY

- 1 Porcelain Surface Layer:**
Premium outdoor porcelain tile with long-term colour stability and refined surface textures.
 - 2 AquaFerm® Bonding Layer:**
Patented moisture-activated technology that securely fuses the porcelain to the concrete base.
 - 3 Stabikorn® Concrete Base:**
High-strength, permeable concrete engineered for freeze-thaw resistance and stability.
 - 4 Integrated 3 mm Spacer Bars:**
Precision spacing built into every unit for consistent joints.
- The GeoCeramica® system seamlessly integrates porcelain aesthetics with concrete durability.



SITE PREPARATION & EXCAVATION

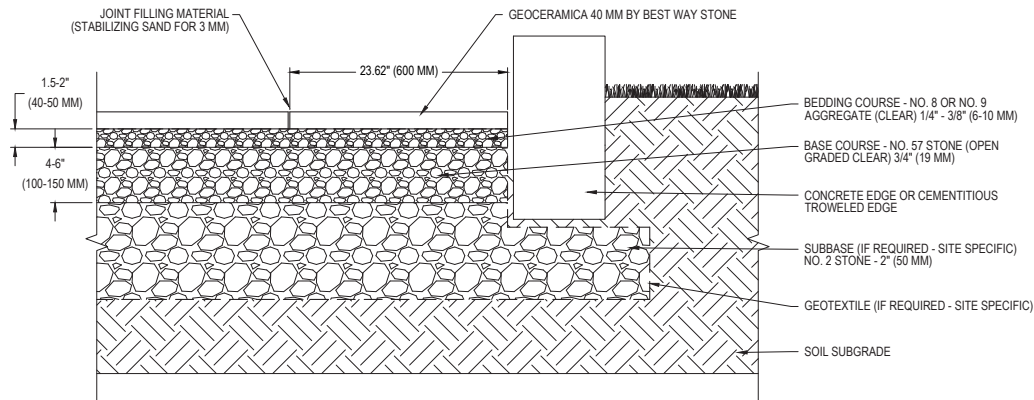
SET YOUR HARDSCAPE UP TO PERFORM.

GeoCeramica® units are 40 mm (1.6") thick. Excavation depth should be determined based on soil conditions, load requirements, climate, and local building codes.

Recommended minimum excavation:

200–250 mm (8–10") below finished grade depending on soil conditions

RECOMMENDED BASE SYSTEM:



- Base layer (Sandy soils / non-freezing climates):
Minimum 100 mm (4") of ASTM #57 open-graded angular clear stone
- Base layer (All other soils / freezing climates):
Minimum 150 mm (6") of ASTM #57 open-graded angular clear stone
- Bedding Layer: Minimum of 1.5-2" (40-50 mm) of ASTM #8 or #9 angular clear stone (6–10 mm / ¼"–⅜")
- Maintain a minimum slope of 3 mm (1/8") per foot away from structures.

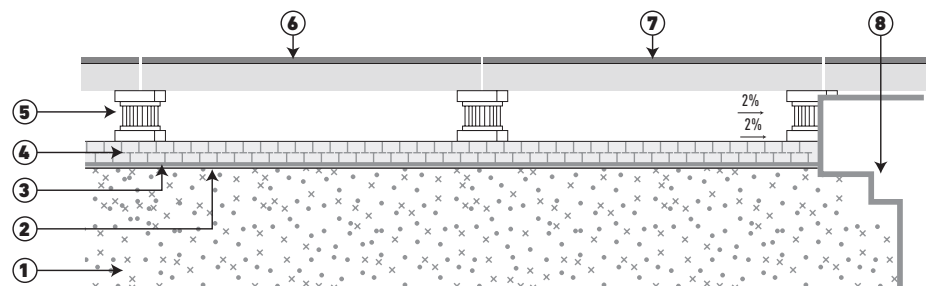
Edge Restraints:

A concrete curb, retaining wall or cementitious troweled edge restraint is recommended for best long-term stability. Aluminum or PVC edge restraints may be used where appropriate, provided they are compatible with open-graded base systems.



GEOCERAMICA ON PEDESTAL SET

- 1 Roof deck
- 2 Waterproof membrane
- 3 Protection board
- 4 Rigid insulation
- 5 Adjustable pedestal
- 6 GeoCeramica 600 x 600 x 40 mm Porcelain + Pavers
- 7 GeoCeramica 300 x 600 x 40 mm Porcelain + Pavers
- 8 Roof drain



When installing slabs on a pedestal set, ensure to consider load requirements. Refer to a project engineer for specific considerations.

INSTALLATION, CUTTING & COMPACTION

BEST PRACTICES PLACEMENT AND PERFORMANCE.



HANDLING & LAYOUT:

- Inspect product and verify colour consistency (using labelled shade codes).
- Pull units from multiple pallets during installation to ensure better dye lot distribution.
- Avoid dragging units or resting on edges.



PLACEMENT & ALIGNMENT:

- Built-in 3 mm spacer bars ensure consistent joints.
- Target joint width: ~3 mm ($\frac{1}{8}$ ").
- Correct height variations 3 mm or greater by lifting units, and adjusting the base.
- Use vacuum lifters for placement to prevent handling damage.
- If needed, use a rubber mallet to gently reset tiles to the correct height/position.



CUTTING:

- For best practices, use a water-cooled table saw with a continuous-rim porcelain blade.
- If using a quick-cut saw, ensure to cut using water with a porcelain blade. Keep the saw as steady as possible while cutting to avoid micro chipping.
- **Do not** use a segmented concrete blade.



COMPACTION:

- Adjust areas with variations of 3 mm or greater by hand before compaction.
- Use a roller compactor only.
- Do not use vibratory plate compactors.
- Ensure rollers are rubber- or plastic-coated.

JOINTING, FINISHING & MAINTENANCE

A SUPERIOR FINISHED SURFACE.



JOINT FILLING:

- For best practices and a longer term performance a stabilizing sand for 3 mm joints is recommended.
- Follow jointing manufacturer instructions.



FINAL CLEANING:

- Use low-pressure washing (max. 1600 PSI).
- Avoid excessive pressure in repetitive areas.



LONG-TERM CARE:

- No sealing required.
- Stain- and fade-resistant porcelain.
- Open graded system and stabikorn open structure designed for freeze-thaw durability.

MANUFACTURED BY:

Learn more at [geoceramicacanada.com](https://www.geoceramicacanada.com)

BWS BEST WAY
STONE