



# GEOCERAMICA®

The Best of Both Worlds



# Endless Applications, **Limitless Beauty**

3 About GeoCeramica®

4 A Revolutionary Product

5 Product Components

7 Seamless Transitions

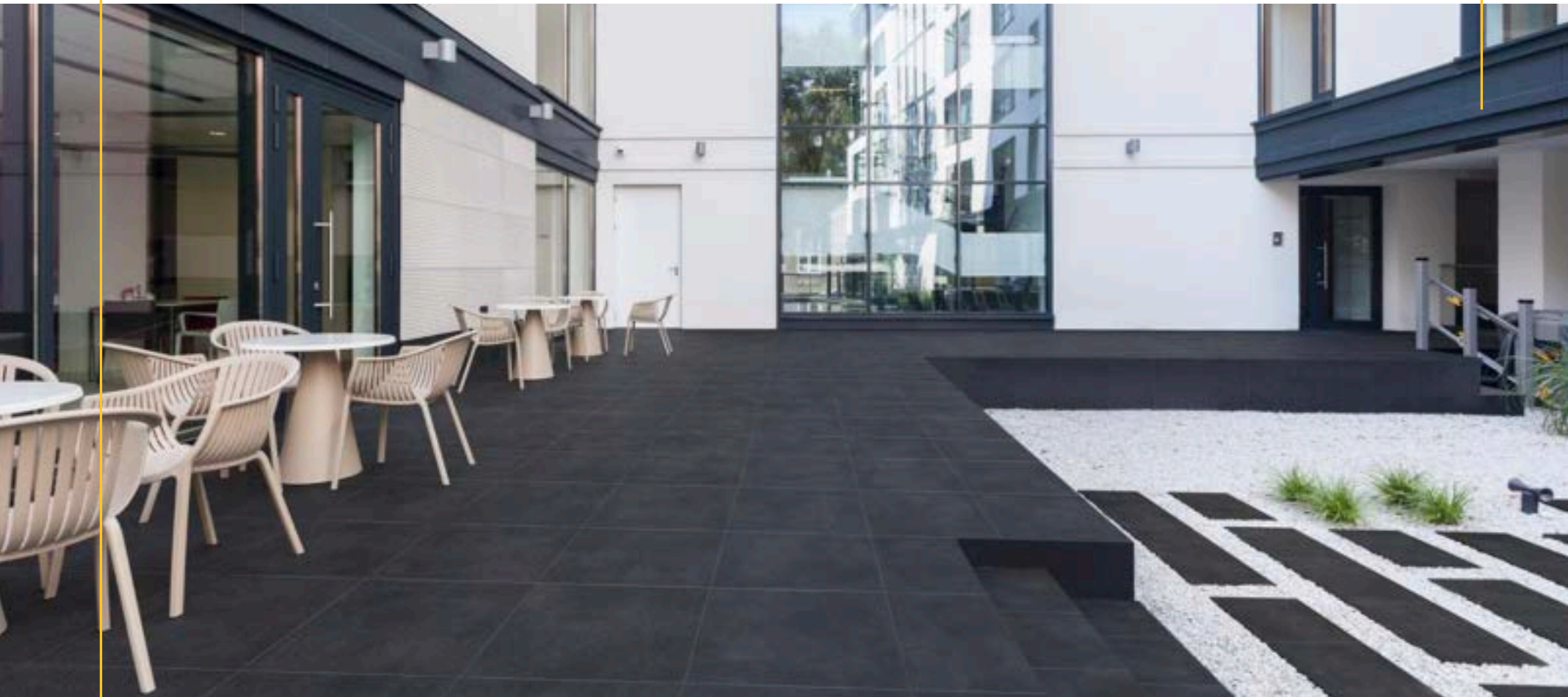
8 GeoCeramica® Advantages

9 Product Specifications

10 The Urban Collection

13 The Timeless Collection

16 High-Level Installation





# The Best of Both Worlds

Experience the beauty of porcelain combined with the practicality of concrete.

For the first time, the leading European innovation in paver technology is available in the U.S. With more than 8 years of research, testing, and 80+ million square feet installed, GeoCeramica® opens the door to boundless design possibilities for outdoor spaces.



# A Revolutionary Product

## Major Differences

GeoCeramica® is a first to market, patented, single-component 4cm outdoor flooring system that combines the timeless beauty of high-quality outdoor porcelain tile with the practicality and durability of concrete.

It can be utilized for patios, walkways, pool decks and rooftop applications. Driveway applications are possible with thicker 8cm product. (Available at a later date).

Limitless color and design options thanks to technological advancements in porcelain production.

GeoCeramica® will never fade or experience unsightly efflorescence. With slip resistant surfaces, durability, and stain resistance, the product remains maintenance free.

The GeoCeramica® production process creates a monolithic system, bonding the porcelain tile and the Stabikorn® base layer. The two materials are permanently fused under all conditions such as moisture, frost and heat.



# Product Components

## Built-In Spacer Bars

GeoCeramica® installs with similar practices and equipment used in concrete pavingstone and slab projects. The spacer bars allow for rapid placement and consistent joint widths throughout the project.

## Superior Drainage

The patented Stabikorn® base layer is made of open structured concrete, which prevents excessive capillary water from rising, and allows for differential rates of expansion and contraction between the tile and base.

## Permanent Aquaferm® Adhesive

After many years of research, technologists developed a proprietary formula of durable adhesive that permanently connects the porcelain tile with the Stabikorn® base layer.

- High Quality Outdoor Porcelain Tile
- Aquaferm™ Binding Layer
- Stabikorn™ Base Layer
- 3mm Spacer Bar

All measurements are approximate





2cm  
porcelain tile

**GeoCeramica® 4cm**  
porcelain + concrete for  
most outdoor applications

**GeoCeramica® 8cm**  
porcelain + concrete for  
driveway applications  
(Available at a later date)



## Seamless Transitions

Geoceramica® has been designed to seamlessly connect the great outdoors to indoor living areas via matching 1cm tiles. This creates more effective use of space and invites nature into the home.

GeoCeramica® offers fully customized trim options for copings, entryways, steps and borders. These bespoke units are hand-crafted to provide a truly amazing finished aesthetic.



# Geoceramica® Advantages



## Ease of Installation

Integrated spacer bars allow for rapid placement.



## Multiple Uses

Perfect for patios, walkways, pool decks and rooftop applications.



## Stabikorn® Base

The open-structured Stabikorn® base has been designed to allow for water to move more freely.



## Aquaferm®

The Aquaferm® binding paste fuses the porcelain layer to the Stabikorn® concrete base, creating a tenacious bond.



## Easy to Clean

Wine, ketchup, oil & grease are no match for GeoCeramica's high density, low absorption, stain resistant surface.



## Slip-Resistant

The surface of GeoCeramica® is structured to resist slips and is perfect for use around pools/spas.



## No Efflorescence

The surface will never show signs of efflorescence, a white chalky deposit that can affect concrete products.



## Colorfast

Colors will maintain their luster for many years to come.



## On-Trend

GeoCeramica's colors and styles have been curated to represent trends in today's hardscape market.



## Modular

Multiple designs and patterns create awe-inspiring installations.



## Bridging Indoor to Outdoor

GeoCeramica® is 4cm in thickness. 1cm tiles are available for interior or overlay applications to blend seamlessly into installation.



## Stay Cooler

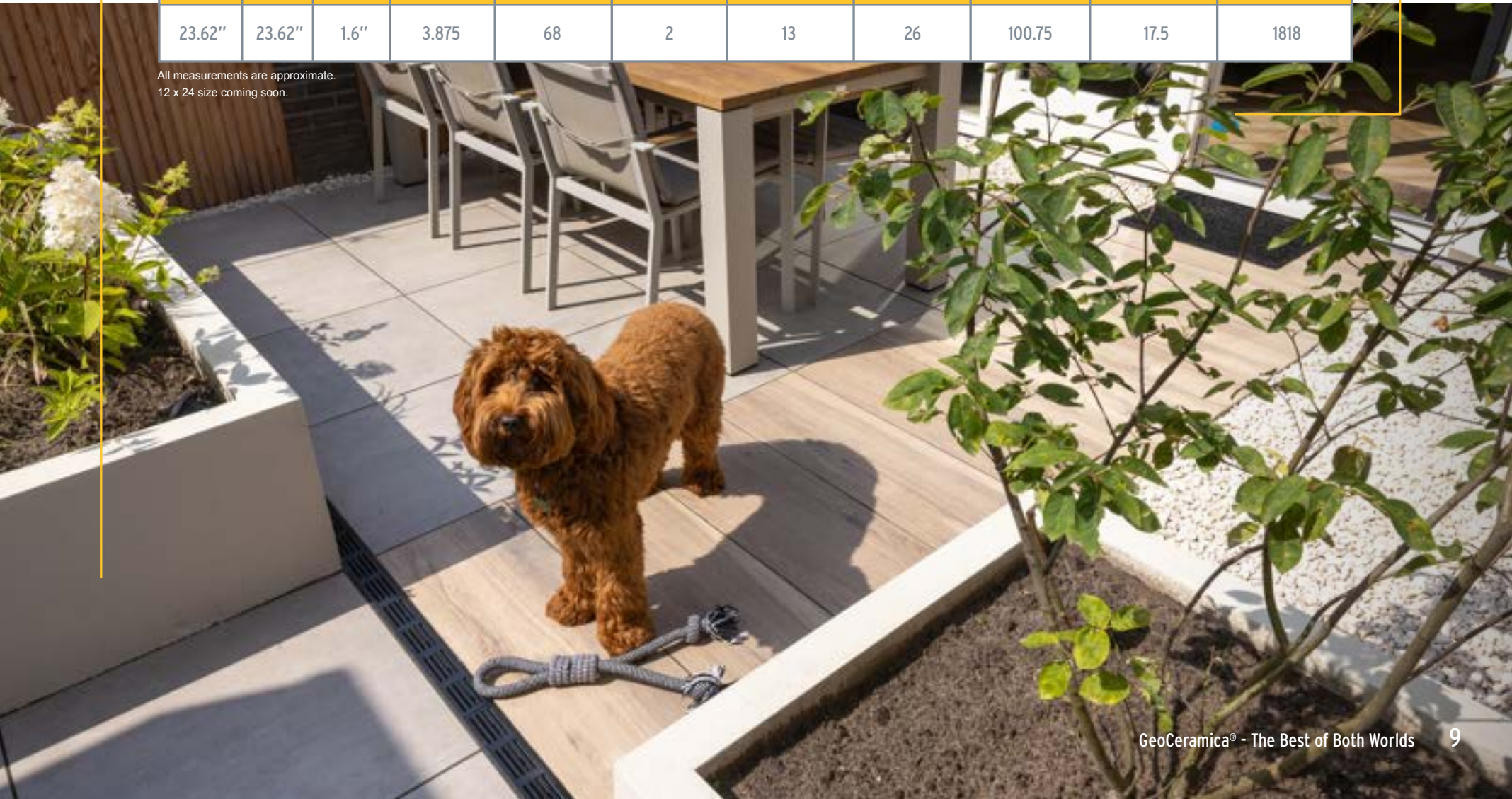
GeoCeramica's surface stays cooler than other paving surfaces like concrete or natural stone. It is also available in colors that have an SRI that qualifies for LEED certification.

# Product Specifications



Length	Width	Height	Sq.Ft./Unit	Weight/Unit	Units/Layer	Layers/Pallet	Units/Pallet	Sq.Ft./Pallet	Weight/Sq.Ft.	Weight/Pallet
23.62"	23.62"	1.6"	3.875	68	2	13	26	100.75	17.5	1818

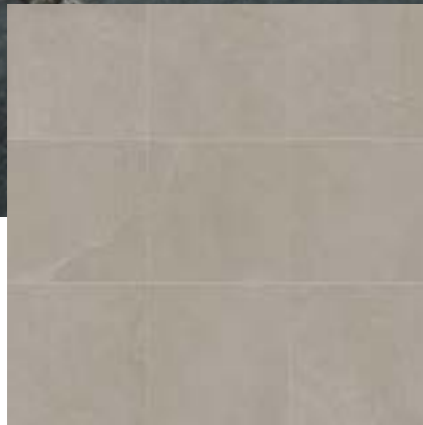
All measurements are approximate.  
12 x 24 size coming soon.



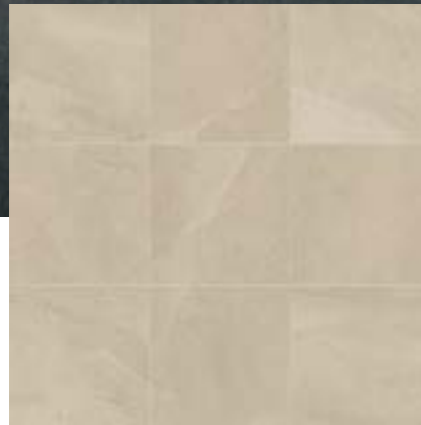
# The Urban Collection



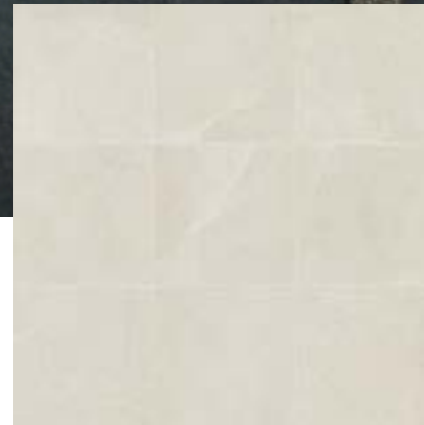
Urban Smoke




Urban Taupe



Urban Sable




Urban Pearle



Urban Smoke

A photograph of an outdoor patio area. In the foreground, a large, rectangular wooden dining table is set with several modern, light-colored wicker chairs. The table has a dark metal stand and a small black lamp. The patio floor is made of large, light-colored square tiles. In the background, there is a lush garden with green plants and purple flowers. A dark wooden fence is visible behind the garden.



Urban Pearle

A photograph of an outdoor lounge area. Two wooden lounge chairs with light-colored cushions are positioned on a large, light-colored square tile patio. A small round table with a few items on it is between the chairs. In the background, there is a dark wooden fence and a swimming pool. The pool is partially visible on the right side of the image.



Urban Sable



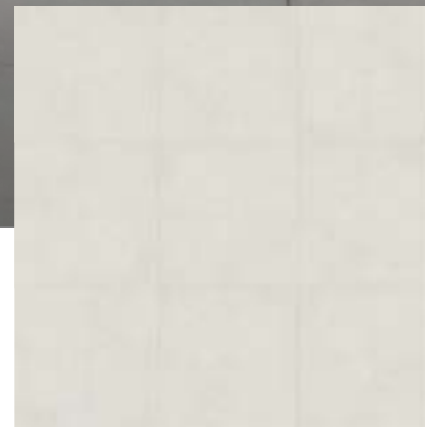
# The Timeless Collection



Timeless Arctic

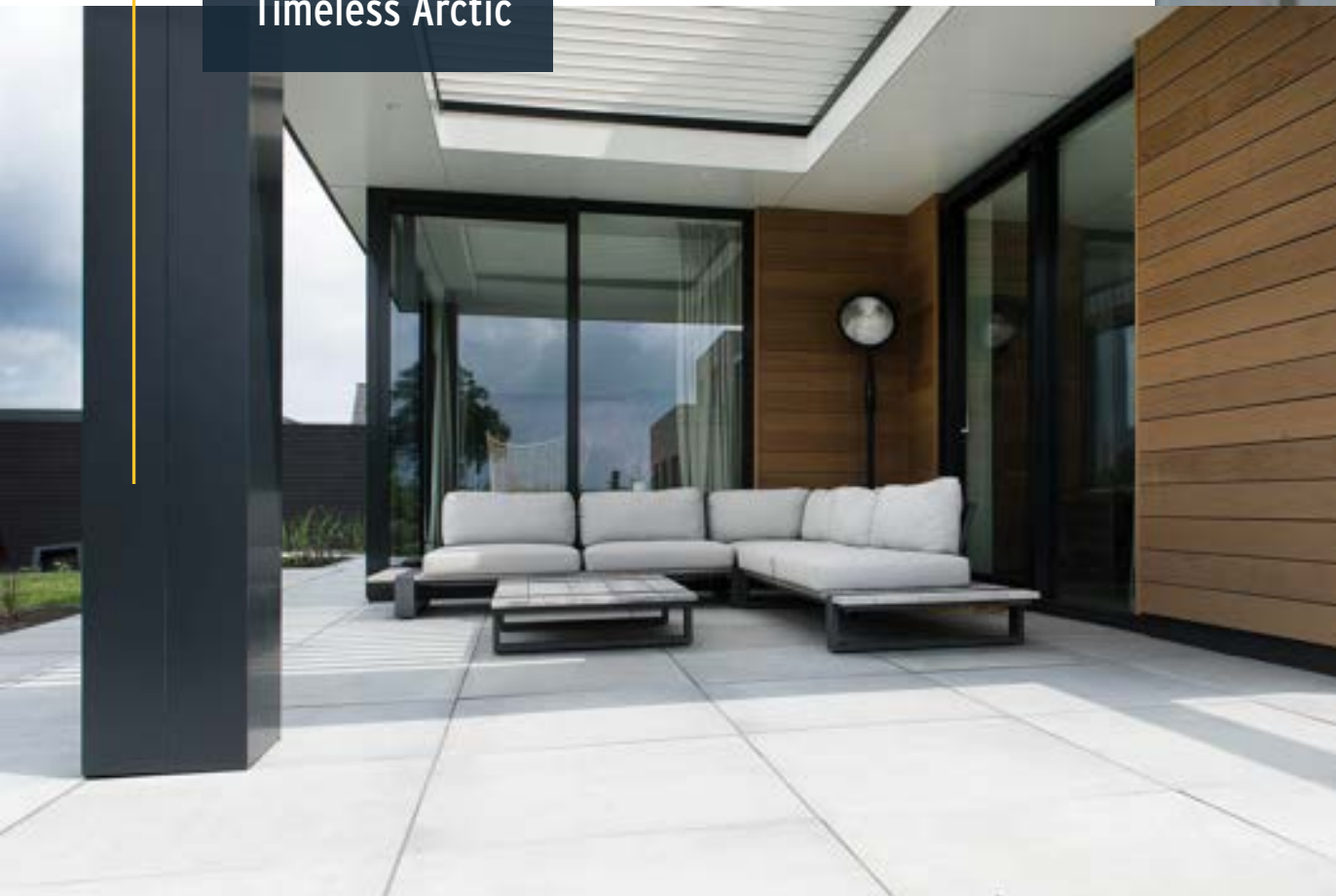


Timeless Platinum



Timeless Silver

Timeless Arctic



Timeless Platinum





Timeless Silver

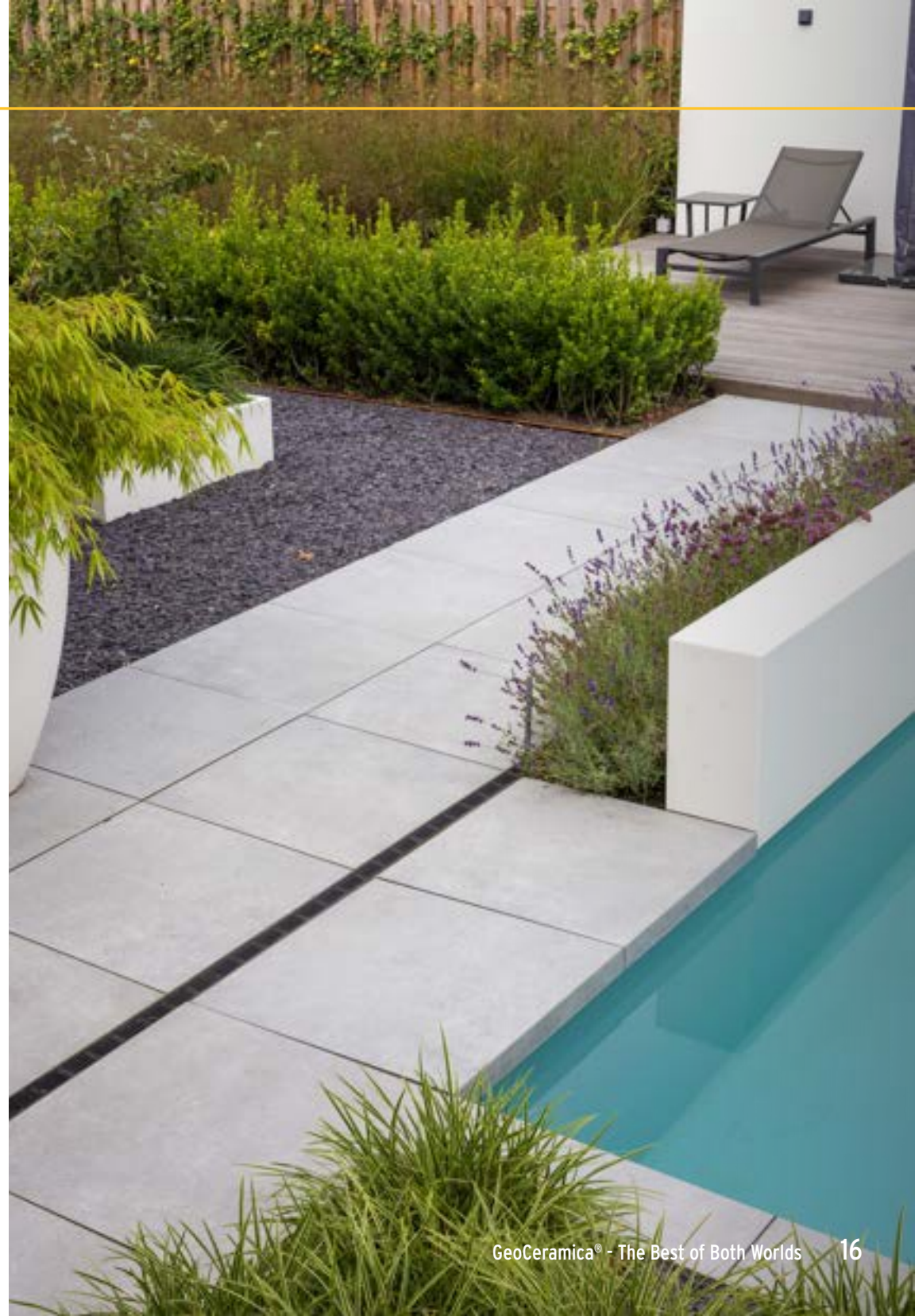
# High-Level Installation

## Site Prep / Base

GeoCeramica® units are 1.6" in thickness, therefore depth of excavation should be a minimum of 10" below finished grade. Ultimate depth of base will be contingent upon several factors including soil conditions, regional climate as well as local building codes. Be sure to consult your local codes prior to design.

It is recommended to install GeoCeramica® on an open graded/hybrid base, consisting of a base layer with a minimum thickness of 6" ASTM #57 ( $\frac{3}{4}$ " open graded crushed stone) along with a setting bed of ASTM #8 or #9 ( $\frac{1}{4}$ " -  $\frac{3}{8}$ " clean stone chip). Be sure to maintain positive drainage away from all structures by using a minimum slope of  $\frac{1}{8}$ " per foot.

Commonly available edge restraint systems are used with GeoCeramica®, including metal, PVC, low profile and cementitious. Be sure to consult your preferred manufacturer's installation details or compatibility with open graded/hybrid bases.



## Product Installation

Examine all products, ensuring shipping documents match colors and styles ordered. Report any discrepancies or damage immediately to your authorized GeoCeramica® dealer.

GeoCeramica® is banded to wooden shipping pallets with edge protection on all four corners as well as the top perimeter. For further protection, hot melt strips or plastic beads are added to each layer to protect the surfaces from rubbing against each other. These beads and/or hot melt strips can be easily removed prior to installation.

Remove all packaging and document production labels for future reference. Discarded packaging can be used on jobsite for added protection of units during installation.



Handle GeoCeramica® units with extreme care. Although porcelain by nature is very durable, its edges will chip if not cared for throughout the entire installation process. Vacuum/suction systems are recommended for the effective handling and placement of GeoCeramica® units.



Be sure to pull units from multiple pallets during installation to ensure colors and patterns are evenly distributed. DO NOT drag units across one another or allow them to rest on their edges as this will scratch or chip the surface of GeoCeramica®.



GeoCeramica's Stabikorn® base incorporates 3mm spacer bars allowing for consistent installation. When installed, the spacer bars create an approximate joint width of  $\frac{1}{8}$ ". Use of a resin-based jointing compound is recommended to fill joints.

GeoCeramica's thickness varies slightly. When placing units, ensure that any height inconsistencies exceeding  $\frac{1}{8}$ ", (3mm) between units are corrected by adjusting base materials or replacing/re-orienting units. Variances in height under  $\frac{1}{8}$ ", (3mm) will be removed with the use of a roller compactor.

Although extremely durable, never strike GeoCeramica® units with anything other than a soft rubber mallet to make minor adjustments during installation.

When adjusting units to maintain alignment, be sure to use a non-marring pry bar instead of bare metal tools, as these will crack/chip units.



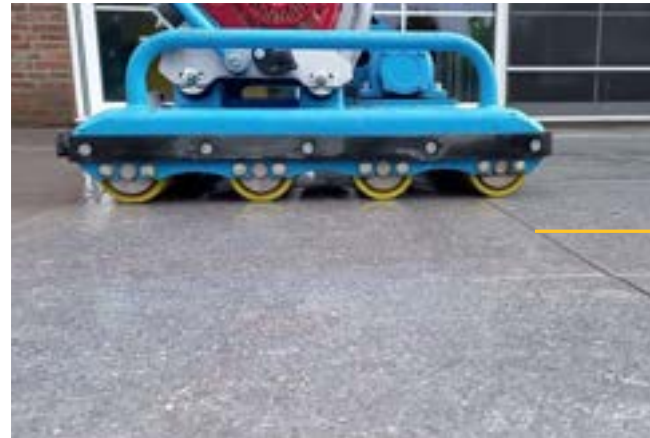
GeoCeramica® units are cut on a stationary, water cooled tile saw equipped with a continuous rim, non-segmented blade specifically designed for cutting porcelain.

Ensure that the saw can safely accept the large size format or GeoCeramica®, and that the RPM rating for the porcelain blade meets or exceeds the RPM rating for the saw. DO NOT use excessive force to push the product into the blade.

Allow the saw to cut at its own pace, maintaining proper RPM's. This will minimize the risk of pulling/chipping along GeoCeramica's cut edge. Projects with intricate details may require the use of a hand operated chop saw or small battery powered hand grinder. For these scenarios be sure to follow the same guidelines listed above, introducing water during the cutting process.



Once placement of GeoCeramica® is complete, use of a roller compactor is essential. Never use a vibratory plate compactor of any kind on GeoCeramica®, as it will damage units. Ensure the roller compactor has non-marring, rubber or plastic coated rollers.



After compaction, the use of a resin-based joint filler is recommended. Be sure to follow all manufacturer's recommendations and installation instructions.



## Final Steps

Final cleaning may be necessary to remove any stains resulting from installation and/or the manufacturing process. A low-pressure power washer is recommended with a maximum output of 1600 psi. Using any more pressure can cause damage to the surface of GeoCeramica® units. It should also be understood that pressure washing can remove jointing material and that re-sanding may be required. In rare cases, Aquaferm® stains can be removed with a solvent based cleaner, and cement-based stains can be removed with a diluted masonry detergent. Be sure to follow the cleaner manufacturer's instructions for use.



# GEOCERAMICA®

## The Next Generation of Outdoor Flooring

GeoCeramica® is set to revolutionize the world of outdoor flooring, making elegance accessible and installation a breeze. Contact our helpful team to start exploring the future of outdoor living with GeoCeramica®.

Visit: [geoceramicausa.com](https://geoceramicausa.com)







# GEOCERAMICA®

[www.geoceramicausa.com](http://www.geoceramicausa.com)

Manufactured by:



**LIBERTYSTONE™**  
HARDSCAPING SYSTEMS

[www.liberty-stone.net](http://www.liberty-stone.net)