

A high-angle photograph of an outdoor patio. In the top left, a dark wooden table holds a white cloth and silverware. Below it, a metal wire chair is partially visible. The ground is paved with large, light-colored rectangular tiles. A large, dark blue geometric shape, resembling a stylized star or a thick-lined 'X', is superimposed over the center of the image. Inside this shape is a white rectangular frame containing text.

STYLE WITHOUT COMPROMISE

PORCELAIN
STONEWARE
PAVERS



Archatrak



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RIGHT

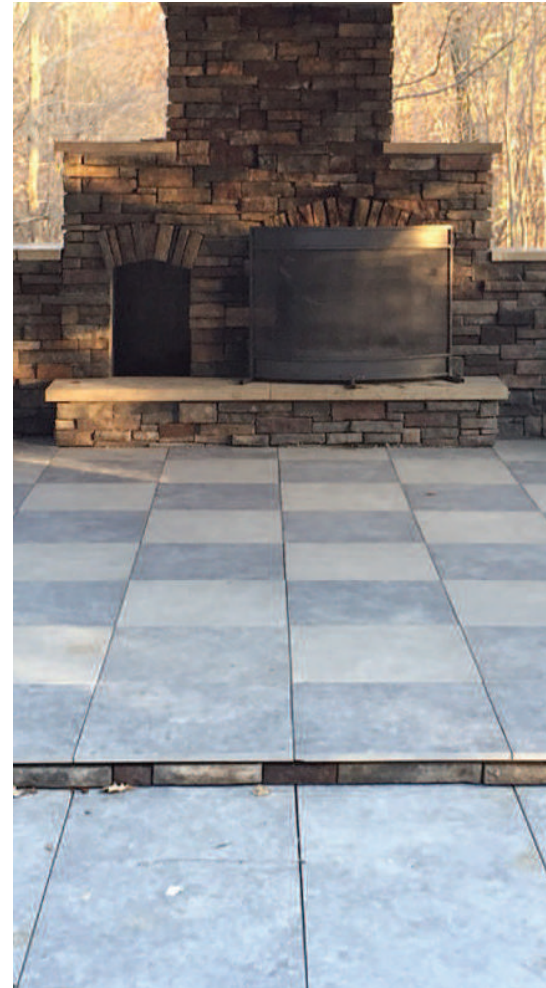
Kronos
Teknowood
Ebano





LEFT

Kronos WoodSide Nut 48" x 24"



ABOVE

Smoke & Kronos Neram



LEFT

Kronos WoodSide Kauri

WHY PORCELAIN PAVERS?

THE PERFECT BALANCE OF TECHNICAL FUNCTIONALITY WITH AESTHETIC APPEAL

Archatrak porcelain pavers offer the opportunity to create outdoor areas and contemporary landscapes of exceptional beauty, without compromising on technical performance. These elegant pavers are available in an unsurpassed range of colors and styles that blend perfectly with their surrounding environment, enabling a seamless transition from indoor flooring to outdoor paving.

The single $\frac{3}{4}$ " thick slab of load-bearing porcelain produces a paver of exceptional strength, density and hardness, specifically designed for building elevated decks using fixed or variable height pedestals as well as for laying on-grade, dry installed or with thinset and grout.

Together with their practically zero water absorption, the technical and aesthetic properties of porcelain pavers make them ideal for practically any outdoor decking or paving application, commercial or residential, especially where low maintenance is of prime importance.

The perfect balance of technical functionality, precise dimensions and visual appeal unique to porcelain pavers, cannot be matched by other paving materials such as concrete or stone.

BENEFITS:

- ◇ Frost resistant
- ◇ Fire resistant
- ◇ Stain resistant
- ◇ Slip resistant
- ◇ Fade resistant
- ◇ Scratch resistant
- ◇ Easy to clean
- ◇ Recyclable
- ◇ Easy to install
- ◇ Resistant to salt corrosion
- ◇ Resistant to mold & mildew
- ◇ Withstands heavy foot traffic
- ◇ Specifically designed for elevated decks
- ◇ Unsurpassed range of colors and styles
- ◇ Virtually maintenance free
- ◇ Removable and reusable
- ◇ Lighter than concrete pavers





ABOVE

Left: Kronos WoodSide Oak

Right: Kronos Alta

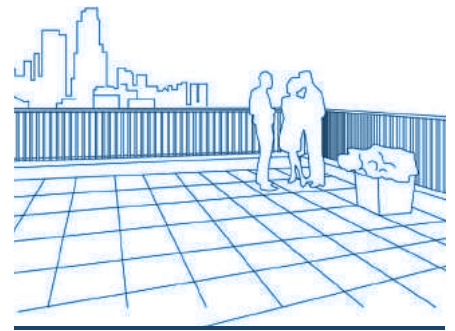


LEFT

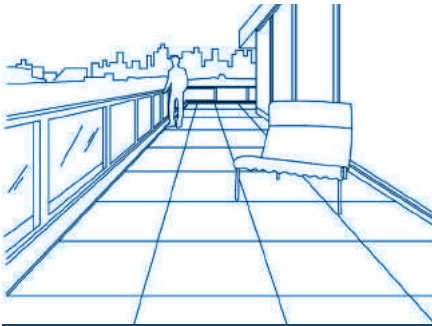
Kronos Teknowood Ebano

WHERE TO USE

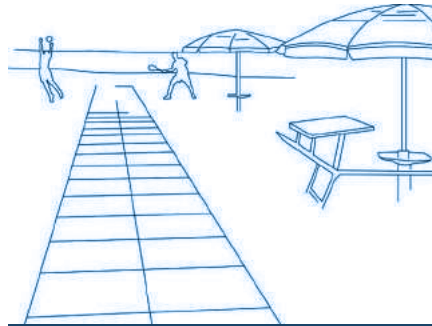
With their unmatched elegance, versatility and technical characteristics, Archatrak porcelain pavers can be used in an exceptionally wide range of exterior surfacing, decking and landscaping applications, both commercial and residential.



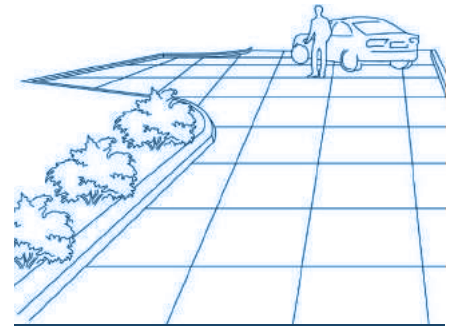
ROOFTOP DECKS



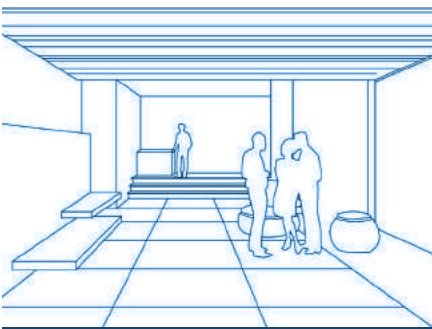
BALCONIES



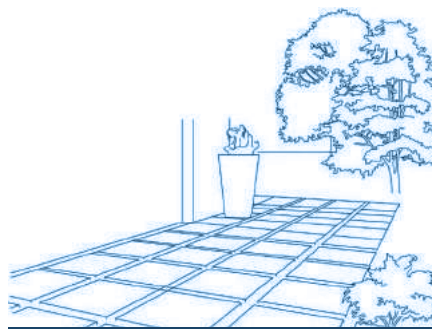
BEACH RESORTS



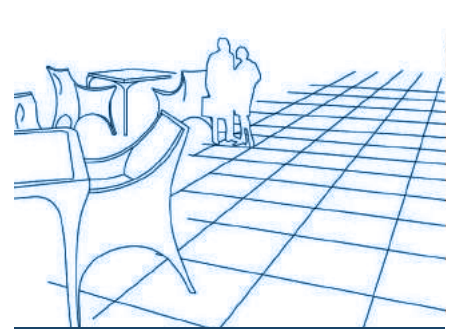
DRIVEWAYS & PARKING



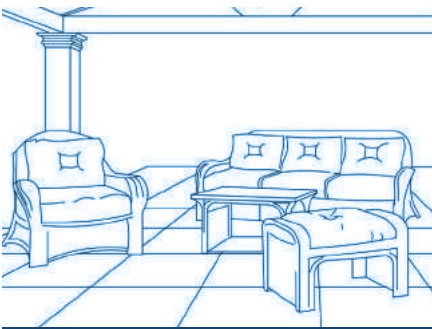
**EXHIBITION & EVENT
FLOORS**



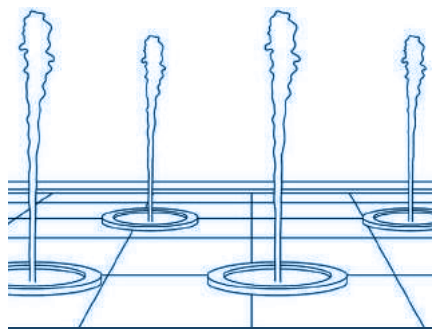
GARDENS & PATHWAYS



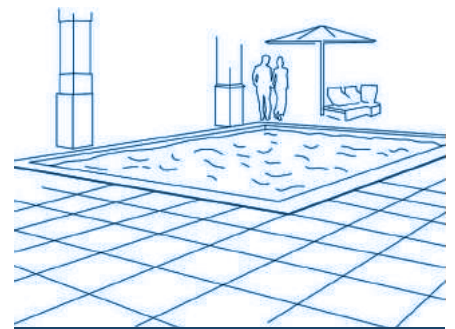
**OUTDOOR BARS &
RESTAURANTS**



PATIOS & TERRACES



WATER FEATURES



SWIMMING POOLS



ABOVE

Kronos Neram

UNDER

Kronos Basalto Vintage



INSTALLATION OPTIONS

Due to their thickness, strength and durability in all climatic conditions, Archatrak porcelain slab pavers can be laid over virtually any type of exterior surface – grass, sand, gravel, concrete or installed on pedestal systems for raised decking.

DIRECT INSTALLATION ON FLAT SURFACES ON GRASS

- ❖ Quick to install
- ❖ Easy to remove and reposition
- ❖ No skilled labor required
- ❖ Quick water drainage
- ❖ Ready to use immediately
- ❖ Ideal for seasonal applications



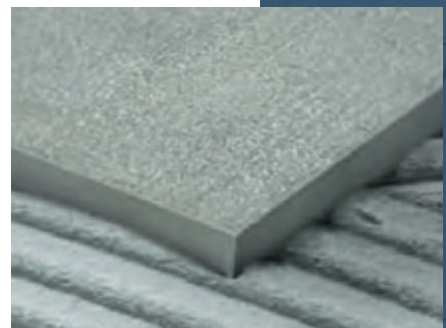
ON SAND OR GRAVEL

- ❖ Quick to install
- ❖ Easy to remove and reposition
- ❖ Rapid drainage via open joints
- ❖ No skilled labor required
- ❖ Ready to use immediately



MORTAR BED & GROUT

- ❖ High load bearing capacity
- ❖ Residential or commercial
- ❖ Seamlessly extend pedestrian areas to vehicle areas



ELEVATED INSTALLATION WITH PEDESTAL SUPPORTS

For sloping or irregular surfaces or
covering service pipes, cables or ductwork.

- ❖ Construct perfectly level surfaces
- ❖ Solves problems with uneven substrates
- ❖ Avoids expensive sub-structures
- ❖ Rapid installation
- ❖ No adhesives or mortar required
- ❖ Easy removal & repositioning
- ❖ Permits easy inspection of utility pipes
- ❖ Effective storm water drainage
- ❖ No visible drainage grids or pipes
- ❖ Better soundproofing
- ❖ Better thermal insulation
- ❖ Avoids problems with thermal expansion
- ❖ Lighter weight means reduced load on balconies and rooftops.
- ❖ Easier to transport on site
- ❖ Fire resistant
- ❖ Frost resistant

UNDER

Kronos
Teknowood
Faggio & Ebano



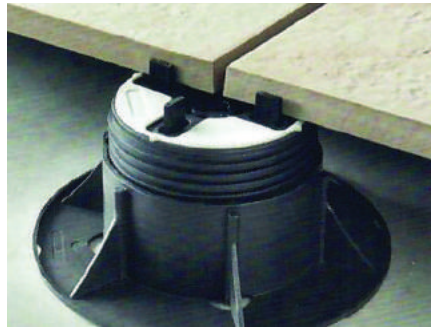
ELEVATED PAVING

Archatrak porcelain pavers are specifically designed for constructing elevated decks using fixed or adjustable height pedestals. Pedestal support options depend on the configuration of the installation, the intended use, the anticipated loading, the slope or variability of the substrate and the final deck height required.



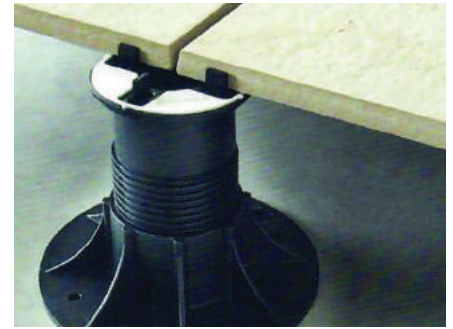
FIXED HEIGHT RUBBER SUPPORT PADS

- ♦ Quickest and lowest cost solution for laying pavers on flat substrates
- ♦ Low height (3/8" min.) enables pavers to be installed with low threshold requirements
- ♦ Supports can be stacked up to 1 1/2" (approx.) height
- ♦ Soft rubber pads provide superior frictional properties
- ♦ Inbuilt spacer tabs are easily cut with a knife
- ♦ Shock resistant and sound absorbing
- ♦ Rubber shims provide minor height adjustment



ADJUSTABLE WITH FIXED HEAD

- ♦ Adjustable heights from 1" to 10.5" with only 5 pedestal models
- ♦ Soft, rubber faced head for superior anti-slip and noise reduction
- ♦ Wide 8" diam. smooth base
- ♦ Inbuilt spacer tabs can easily be removed
- ♦ Special key enables height adjustment even after installation
- ♦ Grooved lines on base facilitate accurate cutting



ADJUSTABLE WITH SELF LEVELLING HEAD

- ♦ Self levelling head automatically adjusts for slopes up to 5%
- ♦ Adjustable heights from 1.125"-21.75"
- ♦ Soft, rubber faced head for superior anti-slip and noise reduction
- ♦ Wide 8" diam. smooth base
- ♦ Inbuilt spacer tabs which can easily be removed
- ♦ Special key enables height adjustment even after installation
- ♦ Grooved lines on base facilitate accurate cutting



ABOVE

Kronos Alta 48" x 24"

UNDER

Kronos Teknowood Ebano



TECHNICAL CHARACTERISTICS

Typical specifications for Archatrak porcelain pavers are given below. Specifications may vary depending on the color/style of paver.

Please contact Archatrak for technical data on specific colors or styles.



PROPERTY	STANDARD	VALUE
Weight of 3/4" thick paver		9lb/sq.ft.
Water absorption	ISO 10543/3	≤ 0.5%
Breaking strength	ISO 10545/4	>2200 lbf
Modulus of rupture	ISO 10545/4	>7000psi
Frost resistance	ISO 10545/12	Conforms
Stain resistance	ISO 10545/14	5
Chemical resistance	ISO 10545/13	GA-GLA-GHA
Slip resistance	DIN 51130	R11
Slip resistance	ASTM C 1028/07	>0.60 wet >0.60 dry
Resistance to thermal shock	ISO 10545/9	Resistant
Color stability with light and UV	DIN 51094	No evident variation
Fire resistance	EN 3501-1	A1 - A1 FL
Static load	EN 12825	Center >1700lbf Center point of side >1200lbf Diagonal >1500lbf
Resistance to abrasion	ISO 10545/6	<175 mm²
Impact resistance	ISO 10545/5	0.88
Bending strength, breaking force	EN 1339	Class 14



RIGHT

Kronos Alta

LEFT

Kronos Neram

BELOW

Rustic Terracotta





RIGHT

Kronos
WoodSide Nut
& Basalto

LEFT

Kronos Greige

INSTALLATION CONSIDERATIONS WITH ELEVATED DECKS

There are currently no specific regulations or standards relating to the use of porcelain pavers for elevated exterior flooring. The closest standard is that applying to concrete paving slabs (EN 1339). Under this test procedure, Archatrak porcelain pavers comply with the standard on comparative tests.

The shock resistance of porcelain pavers should always be considered with pedestal installations to avoid the risk of damage or injury. Project managers, specifiers and customers should carefully assess the technical specifications of the porcelain slabs in relation to their intended use. Despite the intrinsic density and stiffness of porcelain pavers, slabs may crack or break if a heavy object is dropped from a significant height. Where hard and heavy objects are likely to be used or where floor heights are greater than 4', it is recommended to apply appropriate reinforcement to the underside of the pavers, such as glued glass fiber mats or metal trays.

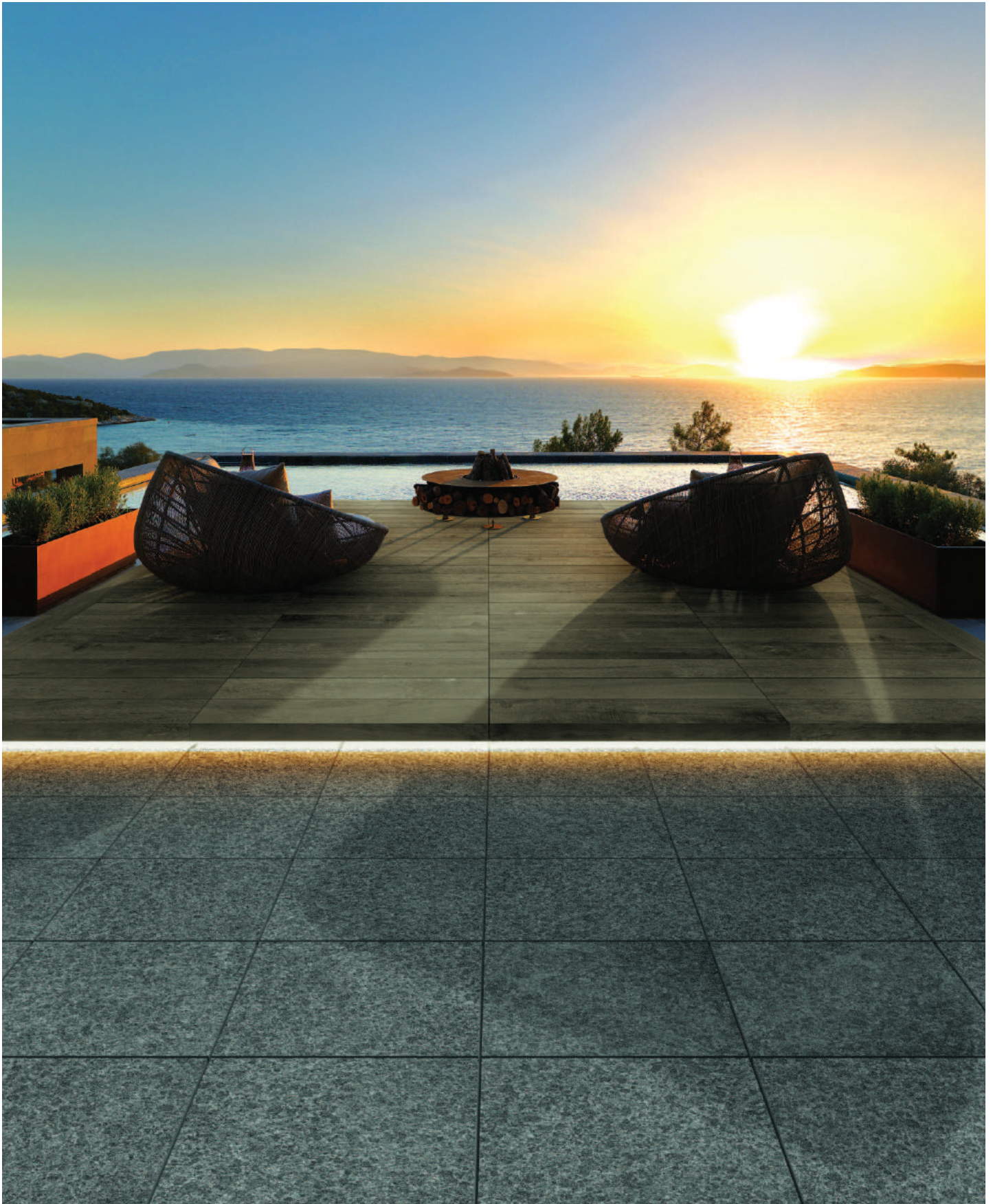
WIND UPLIFT

When porcelain pavers are installed on a pedestal system, they essentially rely on gravity, their own weight, tight spacing between the pavers and tight containment around the perimeter to keep the pavers in place without movement. The open joint space between pavers allows wind to flow above, below and around the deck surface, which tends to reduce uplift forces somewhat and restricts movement of the pavers.

It should not however be inferred that uplifting of the pavers by wind will never occur as it is difficult, if not impossible, to test for every contingency or circumstance where wind uplift may be possible.

The only wind uplift test for roofing products known to Archatrak is the Florida Building Code 2007 TAS 108 Test Procedure for testing air permeable rigid discontinuous roof systems. Whilst this test procedure may have some relevance to pavers installed in 'floating' deck applications, Archatrak engaged the Florida International University International Hurricane Research Center to devise a test program to evaluate the resistance of porcelain pavers to wind uplift under typical installation parameters.

Variables incorporated in the test program using FIU's Wall of Wind facility included different wind angles, pedestal height and type, parapet wall height, paver layout and the use of locking devices along the parapet walls. A summary of the test results is available on request but this test data should not be construed as offering or implying a guarantee or warranty of any kind, including but not limited to warranties of merchantability or fitness of porcelain pavers for a specific purpose.





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