

WHERE FUNCTION MEETS STYLE

COURTLY SERIES

2cm HydraPressed Porcelain



ESG Gallery welcomes you to the Courtly Series, our latest HydraPressed Porcelain

This 2cm HydraPressed Porcelain is manufactured with an integral mix design, ensuring you the finest quality 2cm HydraPressed Porcelain on the market.

Traditionally porcelain has been used for extensive indoor applications but now with the advanced manufacturing technology, porcelain can be used for a wide variety of outdoor hardscape applications.

The Courtly Series is perfect for terraces, roof decks, patios, courtyards, swimming pools, water features or any traditional hardscape areas. HydraPressed porcelain delivers performance, style, versatility, and are resistant to staining, fading, marking, chemicals, and extreme weather. It is the ideal choice for residential or commercial outdoor applications but can also be used indoors for aesthetic continuity.

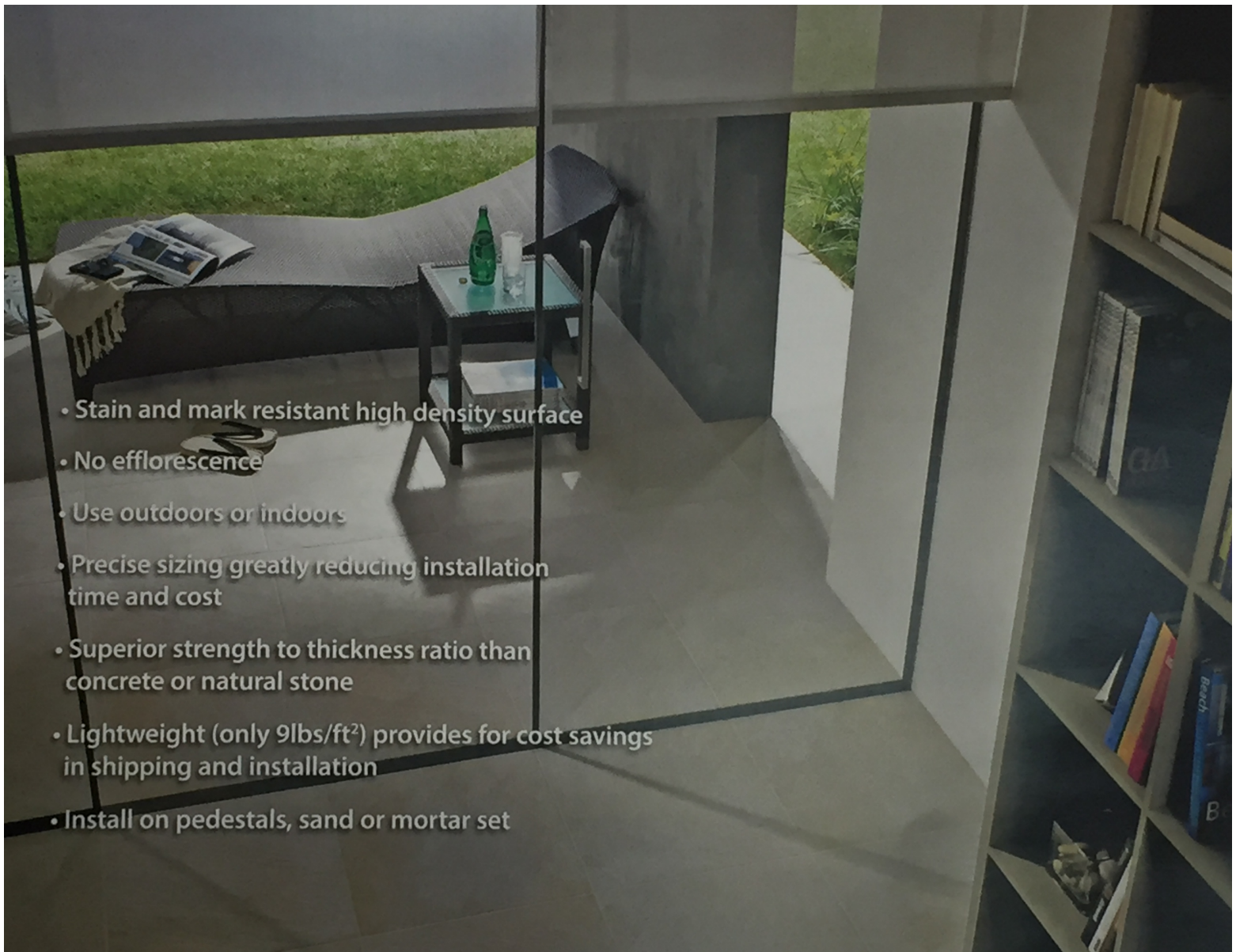
This unique product, with next-generation technology, can be used for exterior architectural cladding as an alternative to conventional masonry products, providing a low-maintenance, high-quality, elegant finish.

The exceptional technical features of Courtly HydraPressed porcelain are not affected by the passing of time and can be installed by using one of the three following methods: Adjustable BlackJack Pedestals, sand set on aggregate base, or traditional mortar set.

Courtly porcelain is fully rectified for quarrels and is dimensionally consistent, reducing installation time and cost.

The Courtly Series is extremely versatile: it is thinner and lighter (only 9 lbs/sq ft) than concrete and natural stone slabs, while providing superior flexural and load-bearing capacity.

The Courtly Series is very low maintenance, durable, and stain resistant. All tiles come with a proven 'Anti-Slip' surface and are available in over 23 rich color blends with subtle variations and textures that emulate natural Limestone, Granite, Travertine, Marble, and Quartz. There are six modular sizes allowing a wide variety of layout combinations for complete design freedom.



- Stain and mark resistant high density surface
- No efflorescence
- Use outdoors or indoors
- Precise sizing greatly reducing installation time and cost
- Superior strength to thickness ratio than concrete or natural stone
- Lightweight (only 9lbs/ft²) provides for cost savings in shipping and installation
- Install on pedestals, sand or mortar set

Standard Sizes:

23-5/8" x 47-1/4" x 3/4" (60cm x 120cm x 2cm)

23-5/8" x 35-1/2" x 3/4" (60cm x 90cm x 2cm)

23-5/8" x 23-5/8" x 3/4" (60cm x 60cm x 2cm)

17-3/4" x 35-1/2" x 3/4" (45cm x 90cm x 2cm)

17-3/4" x 17-3/4" x 3/4" (45cm x 45cm x 2cm)

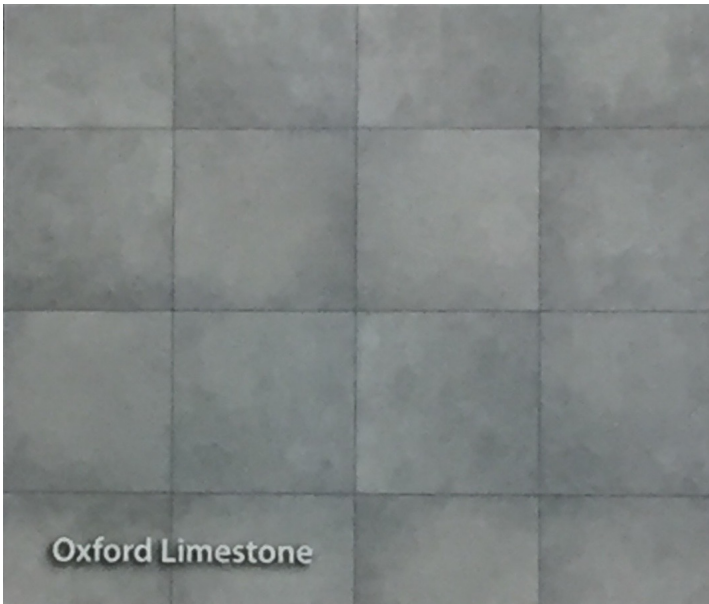
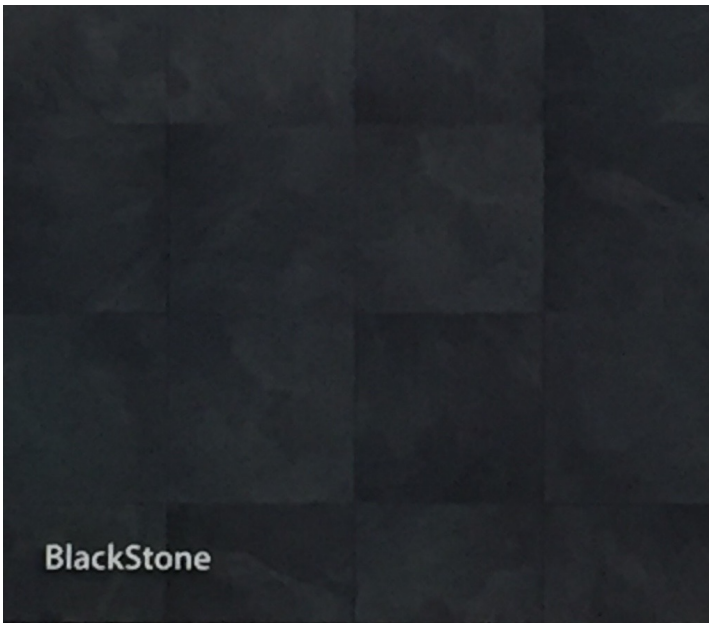
Wood Plank Sizes:

8-5/8" x 35-1/2" x 3/4" (22.5cm x 90cm x 2cm)

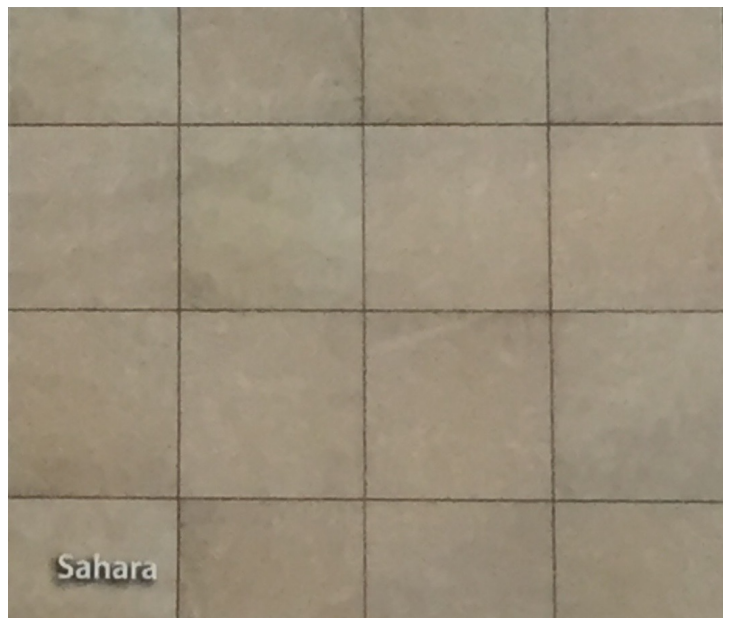
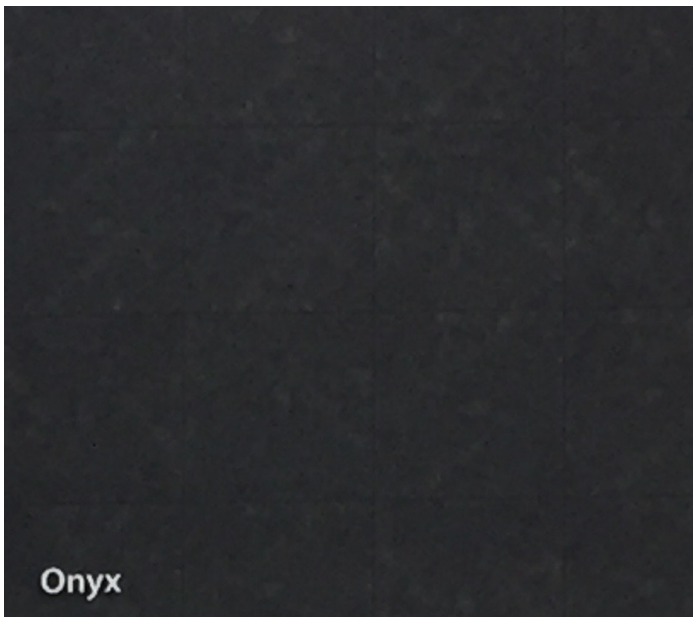
Bull-nosed Pool Coping and Stair Treads are available in all colors.

11-3/4" x 23-5/8" x 3/4" (30cm x 60cm x 2cm)

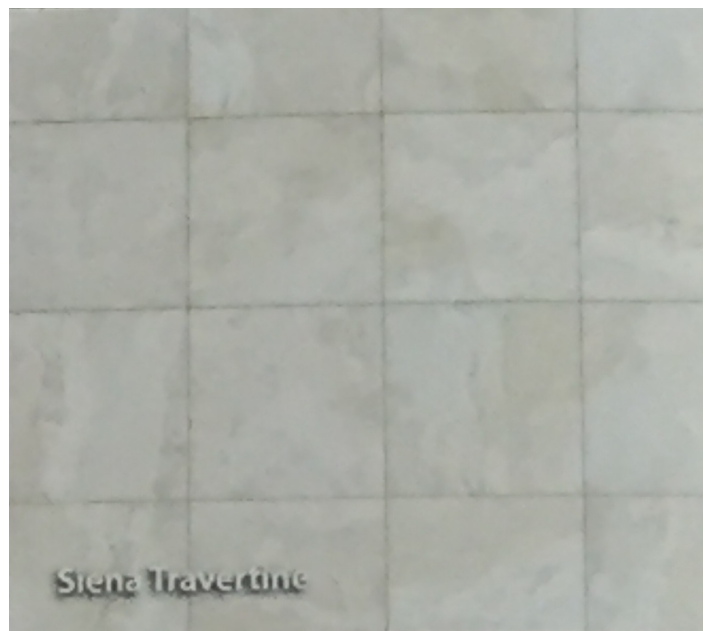
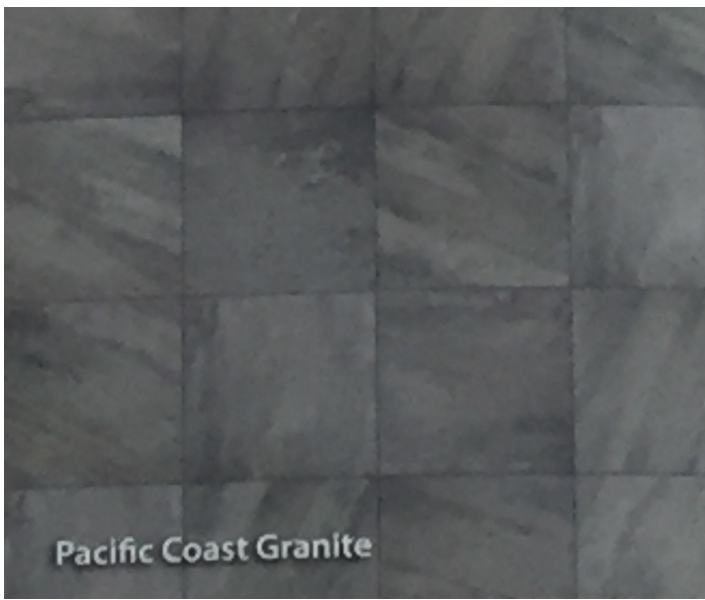
All sizes are Nominal



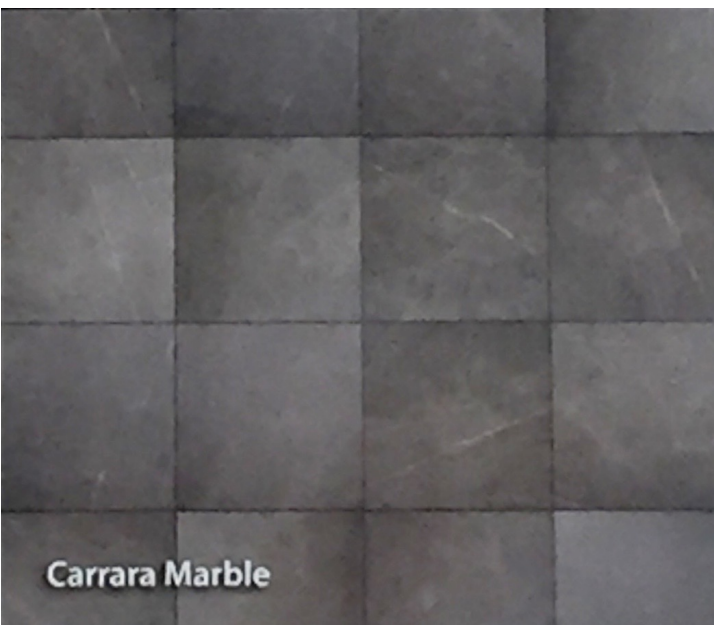
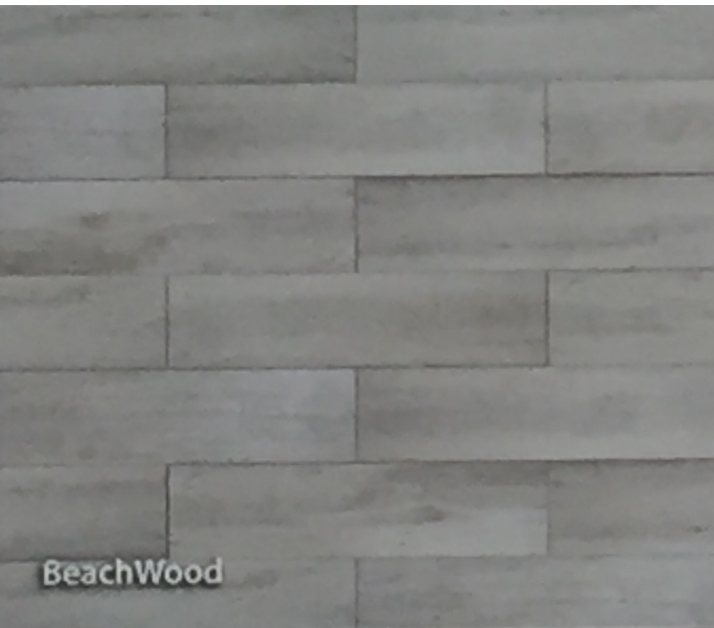
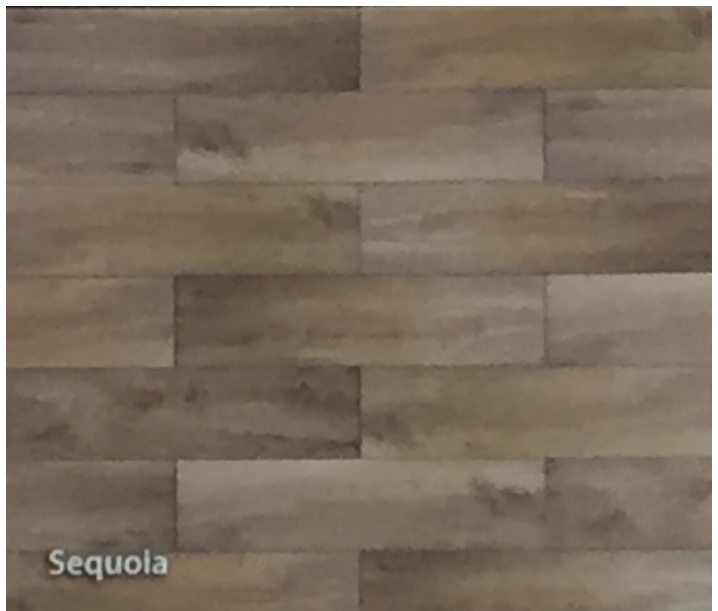
Photos should only be used as a guide. Actual samples should be viewed before making a final color selection.
For best results, tile should be installed from several pallets in random order to ensure overall consistency, especially with multicolor blends.



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BlackJack OneStep Pedestal

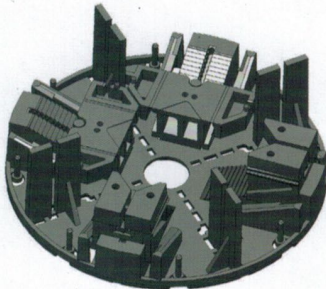
OneStep is a pedestal for slab support engineered to reduce material, construction and life-cycle costs.

It has a height range of between .95" and 1.77" (24mm and 45mm) that may be increased using BJ 20E and/or BJ 40E extenders.

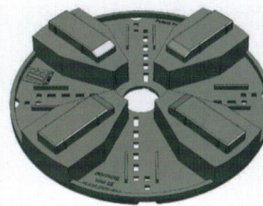
Individual chocks can be adjusted independently in 1mm increments to compensate for uneven installation surfaces.

OneStep can be separated into halves or quarters enabling flush placement along wall edges as well as inside and outside corners.

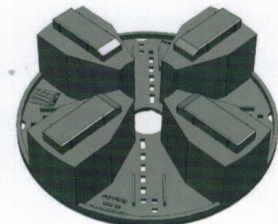
Supports Green Building - LEED points available



BJ OneStep



BJ 20E, 3/4" (20mm) Extender



BJ 40E, 1 1/2" (40mm) Extender

Applications:

BlackJack OneStep is used to support a wide range of concrete, natural stone and marble slabs on:

- Roofs
- Plaza decks
- Balconies
- Swimming pool surrounds
- Verandas
- Patios

Advantages

- Minimum height of .95" (24mm)
- Easy to install and lightweight
- Progressive 1mm height adjustment
- Made from recycled polypropylene
- Accommodates slabs of inconsistent thickness
- Reduces construction time
- Reusable, suitable for temporary paving or retrofitting

Construction Benefits

Height extensions and height adjustments are easy and convenient. Independent chock adjustments can be made to compensate for differences in slab thickness.

Eliminates need for bedding sand or cement screed, reducing the load burden on building structures. It also reduces installation time and costs.

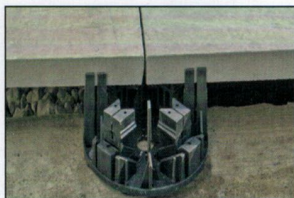
Joint sealant and grouts are unnecessary between slabs. The slab gaps provide surface drainage and allow for expansion and contraction.

High Compressive Strength

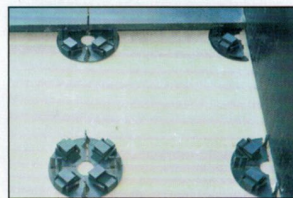
BlackJack OneStep with Extenders up to 4.13" (105mm) has ultimate compressive strength of ≥ 5618 lb (25 kN).

LEED Points Available

BlackJack OneStep is manufactured from recycled polypropylene.



BlackJack OneStep Extenders provide height extension up to 4.13" (105mm).

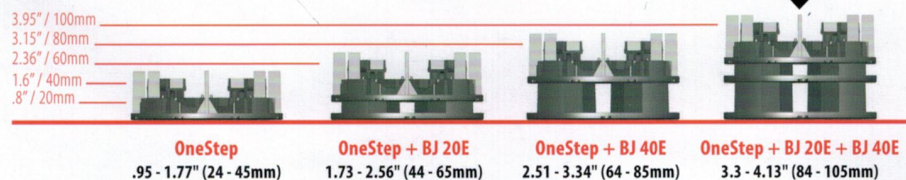


BlackJack OneStep separated into halves enable flush placement along edges.

Engineered to reduce material, construction and life-cycle costs.



Made from 100% recycled plastics



BlackJack ScrewJack Pedestals *Adjustable support systems for HydraPressed Slabs*



BlackJack is a height and slope adjustable pedestal for slab and decking support, engineered to reduce material, construction and life-cycle costs.

It caters to a wide range of height requirements, from 27/8" - 40" (74mm - 1016mm), using only three main components (Top, Coupler and Base).

Accessories include top slope-correctors, spacer tabs, couplers and joist holders.

High Compressive Strength

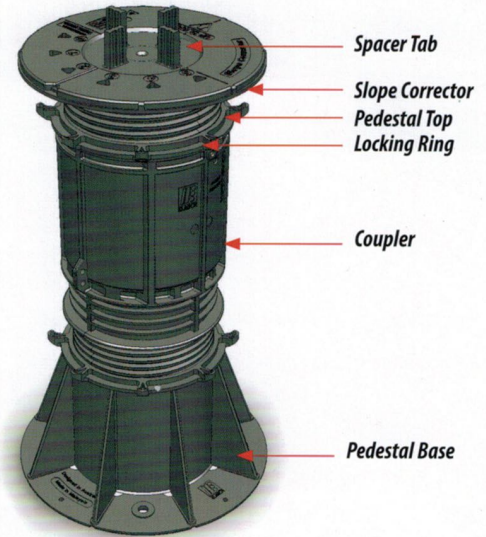
BlackJack has high ultimate compressive strength for various height combinations.

Supports Green Building

BlackJack is manufactured from recycled polypropylene, LEED points available.

Advantages

- Easy to install and lightweight
- Progressive height increments
- Top slope correction
- Easily removed and reused
- Made from recycled polypropylene

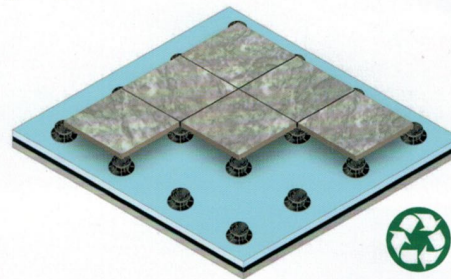


Construction Benefits

BlackJack provides a quick to install alternative to on-site fabricated concrete or metal piers.

It allows convenient progressive height adjustments and correction for fall. Desired height is secured with integrated Locking Rings.

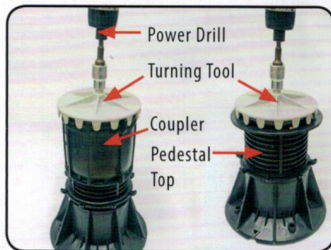
The large flat base and rounded edges do not penetrate and compromise waterproofing membranes. The base flange design prevents water ponding and breeding of pests.



Unique **BlackJack** Turning Tool (pictured below) connected to a power drill permits height adjustments to be made with minimum effort. Available from your Abbotsford Concrete Representative.

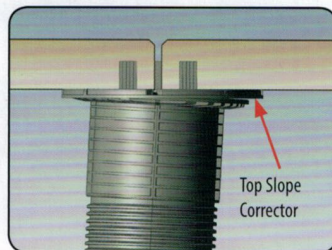
Turning Tool

Turning Tool greatly reduces the time needed for height adjustments.



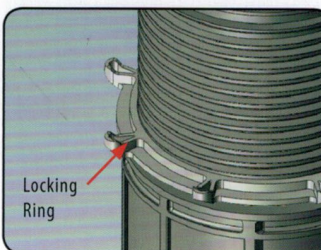
Top Slope Corrector

Top Slope Correctors provide for slope compensation up to 5%, keeping slabs level on a sloping surface.



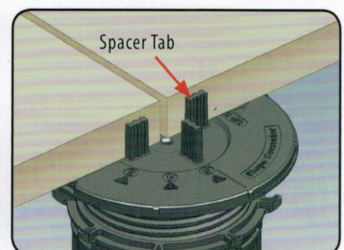
Locking Ring

Locking Rings ensure pedestals are secured at desired heights and are easily removed when not required.



Spacer Tab

Spacer Tab height 5/8" (15mm) with a thickness of 1/8" (3mm) between slabs.



The Courty Series can also be installed using traditional mortar set and sand set methods



Sand Set

on aggregate base
- pedestrian only



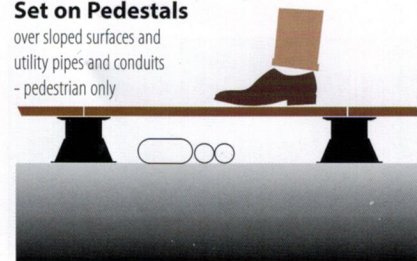
Mortar Set

concrete base with thinset
mortar or construction
adhesive - pedestrian
and vehicular traffic



Set on Pedestals



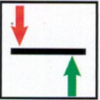



over sloped surfaces and
utility pipes and conduits
- pedestrian only








When choosing an installer for your project, it is advised that you choose an ICPI
(Interlocking Concrete Pavement Institute) Accredited Installer.

See our list of Accredited Installers at www.pavingstones.com

Advantages

Test Method	Result
 <p>Water Absorption CSA A23.2-11C ASTM C140</p>	≤ 0.2%
 <p>Freeze/Thaw Resistance ISO 10545-12</p>	Resistant
 <p>Flexural Strength CSA-231.1 (24"x24") CSA-231.1 (18"x18")</p>	≥22 Mpa (3191 psi) ≥27 Mpa (3916 psi)
 <p>Compressive Strength ASTM C140</p>	≥208 Mpa (30,000 psi)
 <p>Abrasion Resistance ISO 10545-6</p>	≤ 145 mm ³
 <p>Eco-friendly <i>The Leadership in Energy and Environmental Design (LEED) Green Building Rating System is a third-party certification program for the design, construction and operation of environmentally efficient buildings.</i></p>	
<p>LEED Points Available:</p> <ul style="list-style-type: none"> • Light color mix design recycle content of material for mainbody 24.5%, 100% recycled water. • Dark color mix design recycle content of material for mainbody 41.7%, 100% recycled water. • SRI Value (Solar reflective index) ASTM E903 35 to 67 	

Please visit our website at www.pavingstones.com for specific product values.

Test Method	Result
 <p>Thermal Expansion ISO 10545-8</p>	$\alpha \leq 7 \times 10^{-6} \text{C}^{-1}$
<p>Thermal Shock Resistance ISO 10545-9</p>	Resistant
 <p>Chemical Resistance ISO 10545-13</p>	Resistant
 <p>Stain Resistance ISO 10545-14</p>	Resistant
 <p>Slip Resistance AMSI/NFSI B101.3 Dynamic Coefficient of Friction</p>	Wet > 0.7 Dry > 0.6
 <p>Size and Color Uniformity</p>	

- With the patent pending, advanced technology of **integral mix design**, our Aristokrat Series Porcelain Slabs will avoid the problems encountered with other manufacturing processes or with natural stone. Problems such as shading, internal cracks and color fading.
- Precise sizing greatly reduces installation time and cost as well as providing an overall consistent aesthetic finish.
- A 2 cm thick porcelain slab is equal in strength to a 4 cm minimum thickness of natural stone. This greatly reduces shipping and installation costs.

While the colors shown here are represented as accurately as possible, they should only be used as a guide. Actual samples should be viewed before making a final color selection.

For best results, slabs should be installed from several pallets in random order to ensure overall consistency, especially with multi-color blends.