Great Ideas For Outdoor Living

Standard Series, Shadow
Courtesy of Alliston Stoneworks

2020 Your Hardscape Specialist Since 1989
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about our Aristokrat® Series
Porcelain Slabs

Images on pages 48-65

- Stain and mark resistant high density surface
- No efflorescence
- Use indoors or outdoors
- 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 Blackjack® Pedestal System, Expanded Polypropylene Panels (EPP), Aggregate or Mortar Set
- Can be used in permeable paving slab applications
Our commitment to the environment:

“Earth provides enough to satisfy every man's needs, but not every man's greed.” – Mahatma Gandhi

Abbotsford Concrete Products is committed to producing our products with environmental stewardship and community responsibility as a first priority.

Our production processes use recycled water, energy efficient methods and low impact ingredients such as ECOCEM®, in the fabrication of our products. **EcoCem® with its low carbon footprint, is an environmentally friendly alternative to normal Portland Cement. It is sustainable and also meets CSA specifications for Portland Limestone Cements.**

Our environmentally friendly pavers are ideal for driveways, walkways and patios. They are not only attractive, but they are virtually indestructible and low maintenance. The many styles, colors and patterns make for unlimited design possibilities that will enhance any property.

The individual nature of our pavers and retaining walls allow you to alter or add to your design at any time without any major disruption, giving you unparalleled freedom and low impact to the environment as well as your pocket book.

**Earn LEED® points with Abbotsford Concrete Products.**

What is LEED®? LEED®, or Leadership in Energy and Environmental Design is an ecology-oriented building certification program run under the auspices of the US and Canada Green Building Council. LEED® is changing the way we think about how buildings and communities are planned, constructed, maintained and operated. LEED® works for all buildings, from homes to corporate headquarters, at all phases of development.

Our products such as **AquaPave®** permeable pavers and the **Aristokrat® Series** 2cm Porcelain Slabs, can earn valuable LEED® points for designing sustainable buildings and hardscapes.

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**Visit our website**

for full Design Details, Photo Gallery and Dealer List at:

www.pavingstones.com
Our assurance to you:

Abbotsford Concrete Products has been an innovative industry leader in the manufacturing of Segmental Systems for more than three decades. Our state of the art manufacturing facilities ensure that you receive the best products, which meet or exceed strict ASTM and CSA Standards.

Why Insist On Face Mix?

Our exclusive **Face Mix**, two layer, unified manufacturing process will ensure that your next residential or commercial project will maintain its texture, a more intense color, and a superior abrasion resistant wearing surface than out-dated manufacturing processes.

In 1992 Abbotsford Concrete was one of the first manufacturers in North America to invest in this technology that was developed in Europe over half a century ago. Our advanced **Face Mix** technology matrix uses fine graded hard granite sands, high cement content, and an equally high pigment concentration to ensure long lasting aesthetics in your investment. Without **Face Mix**, coarse aggregates on the surface become worn quickly, within as little as a couple of years, exposing the natural colors of the aggregates below.

This exposure gives the appearance of a faded worn-out paver. Other brand manufacturers would have you believe that by having color throughout... you’ll receive a better paver. Color throughout has absolutely nothing to do with aesthetics or durability. Abbotsford Concrete’s **Face Mix** high performance matrix is concentrated where it counts.

Insisting on **Face Mix** for your next paver project will help ensure lasting beauty, and protect your investment for many decades to come.

Variation in color or shade is inherent in all concrete products. In this brochure we have attempted to achieve as close a representation to actual product as photography and printing will allow. We recommend that you check with your supplier of Abbotsford Concrete Products for actual samples.

When choosing an installer for your project, it is strongly advised that you choose an ICPI (Interlocking Concrete Pavement Institute) Accredited Installer or contact your Abbotsford Concrete Products dealer for their list of installers.
The **Standard Series** is the ultimate in adaptive design. The six sizes and large selection of colors can be used in a wide variety of patterns to reflect your personal style, from understated to dramatic.

**Standard**
- Length: 8 7/8” (225mm)
- Width: 4 1/16” (112.5mm)
- Area: 3.7 stones/ft²
- Thickness: 2 1/8” (60mm)
- 40 stones/m²

**Double Standard**
- Length: 8 7/8” (225mm)
- Width: 8 7/8” (225mm)
- Area: 1.8 stones/ft²
- 20 stones/m²
- Thickness: 2 1/8” (60mm)

**Half Standard**
- Length: 4 1/16” (112.5mm)
- Width: 4 1/16” (112.5mm)
- Area: 7.3 stones/ft²
- 80 stones/m²
- Thickness: 2 1/8” (60mm)

**California**
- Length: 11 7/8” (301mm)
- Width: 5 5/16” (151mm)
- Area: 2 stones/ft²
- 21.5 stones/m²
- Thickness: 2 1/8” (60mm)

**Nevada**
- Length: 11 7/8” (301mm)
- Width: 11 5/16” (301mm)
- Area: 1 stones/ft²
- 11 stones/m²
- Thickness: 2 1/8” (60mm)
Enhance the Beauty of Your Home

Standard Series, Desert Sand & Charcoal
Courtesy of Roman Pavers
California and Nevada available in limited stock colors.

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, pavers should be installed from several pallets to ensure color consistency, especially with multi-color blends.
Estate Stone

Estate Stone with its worn distressed appearance gives that historical ambience reminiscent of Old World Charm. Designed with its wider joint, Estate Stone uses polymeric joint sand to enhance and complete the installation. By simply choosing a different colored sand you can dramatically change your projects overall appearance.

Size:

Length: 11 7/8” (301mm)
Width: 5 1/16” (151mm)
Area: 2 stones /ft²
21.5 stones /m²
Thickness: 2 3/8” (60mm)

High Performance Polymeric Joint Sand

Estate Stone is installed in the same way as our other pavers, however requires the application of High Performance Polymeric Joint Sand designed for use with wide joint formats.

(see page 32)
With *Estate Stone*, you can use different colors of Polymeric Sand to complement and personalize your project.

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, pavers should be installed from several pallets to ensure color consistency, especially with multi-color blends.
Pacific Slate Finish with Face Mix
Classic Standard Series

Standard
Length: 87/8" (225mm)
Width: 47/16" (112.5mm)
Area: 3.7 stones/ft²
40 stones/m²
Thickness: 23/8" (60mm)

Double Standard
Length: 87/8" (225mm)
Width: 87/8" (225mm)
Area: 1.8 stones/ft²
20 stones/m²
Thickness: 23/8" (60mm)

Half Standard
Length: 47/16" (112.5mm)
Width: 47/16" (112.5mm)
Area: 7.3 stones/ft²
80 stones/m²
Thickness: 23/8" (60mm)

If your project requires the look of real stone, Pacific Slate is a "Natural"

Note: Due to this paver's unique profile, a special mat is required to be placed on the bottom of the compactor. Please contact your dealer for complete details.
Our Pacific Slate Finish, with the sophisticated appearance of natural stone, opens up a variety of combinations whether used on its own or in conjunction with the Classic Standard Series.

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, pavers should be installed from several pallets to ensure color consistency, especially with multi-color blends.
Old Country Stone

Today’s technology can transport European charm of the past right to your doorstep. Old Country Stone is a tumbled product that gives the aesthetics of a hand-hewn stone with the convenience and practicality of a paver.

**Old Country Stone, Tan/Brown, Walnut and Taupe**

Old Country Stone is the perfect choice for reflecting the incredible possibilities when old world charm meets the present.
Make a statement with the soft look of Old Country Stone.

Charcoal*  Desert Sand* Blend  Natural*
Tan/Brown* Blend  Walnut* Blend  Red/Black* Blend
Shadow* Blend  Taupe* Blend  La Jolla* Blend

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, pavers should be installed from several pallets to ensure color consistency, especially with multi-color blends.
Villa Stone with Face Mix

The Villa Stone Series allows you to make bold design statements using sweeping curves, dramatic fans, full and half circles as well as a random cobble pattern. This paver will accent any landscape.

**Type 1**
- Length: 9 7/16" (240mm)
- Width: 6 1/4" (160mm)
- Area: 2.4 stones /ft²
- Thickness: 2 3/8" (60mm)

**Type 2**
- Length: 6 5/16" (160mm)
- Width: 6 5/16" (160mm)
- Area: 3.6 stones /ft²
- Thickness: 2 3/8" (60mm)

**Type 3**
- Length: 6 5/16" (160mm)
- Width: 4 3/4" (120mm)
- Area: 4.8 stones /ft²
- Thickness: 2 3/8" (60mm)

**Circle Package**
- Three Quarter Stone: 4 3/8" x 6 1/4"
- Half Stone: 3" x 6 1/4"
- Small Circle Stone: 2 11/16" x 7 1/8" x 6 1/4"
- Large Circle Stone: 3 7/8" x 5 3/16" x 6 1/4"
- Center Stone: 3" x 6 1/4"

VillaStone, Sandalwood
*Courtesy of Greenfield Landscaping*

Villa Stone, Granite, Sandalwood & Teak
*Courtesy of Bricklok*
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, pavers should be installed from several pallets to ensure color consistency, especially with multi-color blends.

Note: Due to this paver’s unique profile, a special mat is required to be placed on the bottom of the compactor. Please contact your dealer for complete details.
FlagStone with Face Mix

FlagStone consists of six identically shaped pavers, each with its own unique pattern, in six beautiful color blends that easily fit together to create an authentic look of natural flagstone at a fraction of the cost.

Dimensions: 19¾” x 15” x 23/8”  Actual area of each piece: 1.5 ft²

High Performance Polymeric Joint Sand

FlagStone is installed in the same way as our other pavers, however requires the application of High Performance Polymeric Joint Sand designed for use with wide joint formats.

(see page 32)
Flagstone requires the application of a High Performance Polymeric Joint Sand, which is designed specifically for products with wider joints. It is critical that you follow the manufacturer’s application instructions to ensure a successful installation. Please consult your Abbotsford Concrete dealer for full details.

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, pavers should be installed from several pallets to ensure color consistency, especially with multi-color blends.

Note: Due to this paver’s unique profile, a special mat is required to be placed on the bottom of the compactor. Please contact your dealer for complete details.
Our Piazza Series is a large format, linear paver designed for the contemporary urban landscape. From a simple patio or walkway to a Plaza, Grand Boulevard, Boardwalk, or Esplanade, an infinite array of patterns will allow you to create a focal point that will complement any landscape.

The Piazza Series can also be installed in conjunction with the 10cm Metropolitan Series and 10cm California (special order) to extend your pattern possibilities. Visit our website at www.pavingstones.com for more details.

Note: Type 1 and Type 2 Piazza Pavers are combined together in equal quantities on the same pallet.
The Piazza Series was designed for pedestrian applications. This paver is outside of the standard CSA/ASTM paving stone definition, however if the intended application is for light vehicular use, the base design should be reviewed by a geotechnical engineer. We encourage contractor/client consultation to ensure that best practices are implemented when installing Piazza Series in light vehicular applications. Abbotsford Concrete Products cannot take responsibility for ensuring the necessary site specific planning that is required.
Venetian Cobble Series

with Face Mix

The Venetian Cobble Series is one of our most innovative accomplishments to date. Venetian Cobble has the aesthetic appearance of natural cut stone, enhancing the Large Format design motif, while softening the lineal appearance by combining five interrelated shapes.

The Venetian Cobble Series can be installed in typical sand set applications. However, due to our next generation unique spacer bar design, it can also be installed as an AquaPave System.

Typical Laying Pattern

Can also be used with our AquaPave® Permeable On-Site Stormwater Source Control System
(see page 40)
On a pallet each layer of the Venetian Cobble Series comes from the factory in this repeating random pattern, making this series also suitable for machine laying. Machine layable pavers increase efficiency and lower the labor cost.

Note: Due to this paver’s unique profile, a special mat is required to be placed on the bottom of the compactor. Please contact your dealer for complete details.
Venetian Cobble Series

Copper Canyon with Charcoal Old Country Stone border. Granite Garden WallScapes
Courtesy of Set In Stone Hardscaping
Guide to Paving Stone Installation

Preliminary Planning
Initial planning and preparation are key factors that will ensure a successful and lasting paving stone installation. Proper planning guarantees fine quality work and makes everyone’s task easier.

Sketch a detailed diagram of the area to be paved, including all measurements required to calculate the amount of materials needed. The area being paved must contain some form of edge restraint.

Certain equipment is required to complete this work adequately. You will need a pair of safety glasses, a rake, shovel, tape measure, coarse bristle broom, masonry string line, line level, mechanical plate tamper, and some form of stone cutting equipment. Your Abbotsford Concrete dealer can assist you in obtaining the necessary materials and equipment needed to complete your paving stone installation.

When choosing an installer for your project, it is advised that you choose an ICPI (Interlocking Concrete Pavement Institute) Accredited Installer. See www.icpi.org for their list of installers.

Before you dig, call the following companies to ensure your safety: Power, Telephone, Gas and Cable TV. These organizations will provide you with the location of underground services.
1. Remove old pavement and/or existing soil, then excavate to the proper depth depending on the type of traffic.

2. Spread gravel (also referred to as 3/4” minus crushed rock or equivalent), uniformly throughout the excavated area. Using the mechanical tamper, compact the entire area evenly. A sprinkling of water, prior to compaction, will increase the density of the base material and control dust. Do not compact the base material in layers of more than 2 inches.

NOTE: Prior to base preparation, water run-off and grade detail should be considered.

3. The compacted base must be uniform and conform to the contour of the finished job. The elevation of the compacted base should be uniform 3-1/4” to 3-3/4” below the finished paving stone surface.

NOTE: The base should extend 12” beyond the finished edge of the pavers in order to provide a proper base to support and anchor your edge restraint.

4. Following the completed base preparation, edge restraints are installed to prevent lateral movement of interlocking paving stones and to enhance the aesthetic appearance of your installation. Edge restraints may be set in a manner to sit flush with, or slightly below your completed paving stone surface. Granular material is used as backfill on the outer edge of the restraint which meets sod or softer material.

NOTE: Care should be taken in determining the width of the area being paved in order to minimize the cutting of pavers, and optimize the use of edge pieces.

5. Spread 1” of coarse sand evenly over the compacted base to establish a bedding for placement of concrete pavers.

6. Screeding must be done to ensure that an even bedding surface is established. A screed board (i.e. 2” x 4”) is used to smooth the bedding layer to the shape of the completed surface. For distances greater than 12 feet, use a screed guide to level the bedding layer. Avoid walking on the screeded surface.

7. Commence placing pavers on the screeded bed in the pattern you wish to use. It is important that the pavers being installed are taken from several pallets to ensure a proper color dispersion. Start installation of pavers at the edge and in a corner if possible. This will maximize the use of edge stones and minimize the amount of cutting.

8. Hand place the stones close together. Spaces between individual units should be consistent with an allowable maximum of 1/8”. With the installer standing on the laid paving stones, the next row is placed. The occasional use of masonry string will ensure that your installation pattern will continue to run true throughout the project. To verify accuracy, the string should run along the front row of pavers. A screwdriver is used to move the pavers into proper alignment.

9. Any paving stone cutting should be done upon completion of laying your paving stone pattern. Using a stone cutter or masonry saw, stone should be cut to fill the spaces. If cut pavers leave small gaps, these can be filled with jointing sand. When cutting pavers with a wet saw, please take care not to cut on top of other pavers as you will generate a slurry mix. This slurry mix, if allowed to dry, will leave a permanent cement residue on your pavers.

10. Once all pavers have been placed, sweep the entire paving stone surface clean in preparation for tamping. Sweeping also aids in the removal of any foreign deposits that are on the pavers.

11. Using a mechanical plate tamper, begin tamping from the outside edge, moving inward. Tamp the entire paving surface in both directions until the surface is bedded down uniformly.

12. Broadcast jointing sand over entire paving stone surface, sweeping the sand to ensure that all joints are completely filled.

13. Leave excess jointing sand on the paving stone surface, tamp the finished area a second time and continue sweeping jointing sand until all joints are completely filled.

14. A paving stone sealer is recommended to enhance, protect and maintain the natural beauty of the paving stones. Sealing can take place immediately after installation or any time in the future, provided that certain guidelines are followed.

For best results use Abbotsford Concrete’s Interlocking Paver Joint Sand or Polymeric Joint Sand, available from your local dealer.

(see page 32)
Classic Standard Series / Pacific Slate Finish Patterns

- Offset Runner Pattern
- 45° & 90° Herringbone
- Parquet
- Double Standard - Standard 1
  - Double Standard = 50% of total area
  - Standard = 50% of total area
- Double Standard - Standard 2
  - Double Standard = 27% of total area
  - Standard = 73% of total area
- Double Standard - Standard 2
  - Double Standard = 45% of total area
  - Standard = 45% of total area
  - Half Standard = 10% of total area
- Parquet – 3:1
- 45° & 90° Herringbone – 3:1
- 45° & 90° Lattice
  - Double Standard = 45% of total area
  - Standard = 45% of total area
  - Half Standard = 10% of total area
- Pinwheel
  - Double Standard = 80% of total area
  - Half Standard = 20% of total area

Full page pattern drawings are available on our website at www.pavingstones.com
Old Country Stone Patterns

Type 1 – Offset Runner Bond
Type 2 – 45º Basket Weave
Type 1 – 45º Basket Weave
Type 1 – 90˚ Basket Weave
Type 1, 2 & 3 Offset Runner Bond
Type 2 comprises 40% of total area
Type 1 comprises 60% of total area
Type 1 comprises 50% of total area
Type 2 comprises 34% of total area
Type 3 comprises 16% of total area

Type 3 - Offset Parquet
Type 3 - 45º & 90º Herringbone
Type 1, 2 & 3 - Random Pattern
Type 1, 2 & 3 Offset Runner Bond

Full page pattern drawings are available on our website at
www.pavingstones.com
Piazza Series Patterns

Type 1 & 2 - 45º Herringbone
Type 1 comprises 60% of total area
Type 2 comprises 40% of total area

Type 1 & 2 - 90º Herringbone
Type 1 comprises 60% of total area
Type 2 comprises 40% of total area

Type 1 & 2 - Offset Runner
Type 1 comprises 60% of total area
Type 2 comprises 40% of total area

Type 1 & 2 - Pinwheel Pattern
Type 1 comprises 60% of total area
Type 2 comprises 40% of total area

Villa Stone

Type 1 - 90º Basket Weave

Type 3 - 90º Basket Weave

Type 1,2 & 3 - Runner Bond
The Villa Stone Offset Runner Bond and Random Cobble patterns use an equal number of Type 1, Type 2 and Type 3 pieces.

Type 1,2 & 3 - Random Cobble
Type 1 comprises 46% of total area
Type 2 comprises 31% of total area
Type 3 comprises 23% of total area.

Villa Stone Circle Kit

Full page pattern drawings are available on our website at www.pavingstones.com
Related Installation Products

**Joint Sands and Stabilizers:**

*Joint sand is essential to the success of your paver installation, as joint sand completes the interlock component of a segmental paving system.*

**Abbotsford Concrete’s Interlocking Paver Joint Sand**

This dry joint sand is manufactured to the Interlocking Concrete Paver Institute’s (ICPI) technical standards to ensure a successful paver or slab installation.

**AquaPave® Joint Stabilizer**

This professional grade joint aggregate is washed, dried and screened to provide a product meeting the specialized requirements of Abbotsford Concrete Products’ AquaPave®. This product is NOT designed for use with any other interlocking paving units.

**Techniseal Smart Sand®**

Manufactured with the NextGel™ technology, SmartSand® is a cost-effective alternative to HP NextGel™, when a high-performance sand is not required. Its “quick activation” formula makes it ideal for everyday residential installations, such as driveways, patios and walkways with minimum slope, low traffic and low humidity.

- Pedestrian and low-traffic areas
- Designed for optimal jointing of interlocking paver installations
- Meets ASTM C144 standard
- For paver joints from 1.6 mm to 2.5 cm (1/16” to 1”) wide.

**Techniseal NextGel™ - High-Performance Polymeric Jointing Sand**

HP NextGel™ is the only true high-performance jointing sand on the market. Often imitated, the superior HP formula remains unsurpassed, both in terms of performance and ease of installation.

- Heavy-sloped and high-traffic areas
- High-humidity areas and pool decks
- Commercial, residential and public projects
- Ideal for concrete or clay pavers, natural stone, slabs and porcelain tiles
- For false or wide joints from 1.6 mm to 10 cm (1/16” to 4”)

*NextGel™ is required with our FlagStone and Estate Stone.*

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*Special care is required when applying Polymeric Joint Sand; please be sure to carefully read the detailed instructions on the bag.*
Paver Edge Restraints: A paver edge restraint system is a critical component for a successful installation.

EdgePro® ONE Paver Restraint
Heavy-duty vinyl edge restraint system for 60mm interlocking concrete or brick pavers. EdgePro® ONE has the familiar look of EdgePro® Paver Restraint, except with a spine of cross supports that can be clipped to transform from rigid to flexible in just a few seconds.

B.E.A.S.T.™ Plastic Paver Edging
Made from 100% recycled materials, BEAST provides strength, flexibility. Just one piece does both amazing straight lines and perfect curves.
- Allows installation of pavers on either side of edging
- Staggered lattice nailing to ensure maximum hold
- Extra wide base for increased stability

Professional Grade Poly Landscape Edging
A premium blend of recycled polyethylene gives EdgePro® Poly Landscape Edging its superior flexibility, strength, and resistance to weathering. The product will not crack, rot, or deteriorate from exposure to weather conditions.

Construction Adhesive:

Structure Bond Foam Adhesive
Structure Bond™ is an innovative super-strength foam adhesive that bonds a wide range of construction materials such as pavers, concrete, natural or synthetic stones, bricks, wood, plywood, composite materials, drywall, steel, aluminum, PVC, fiberglass and porcelain.
- Rapid application time
- Sets up in 8 minutes and fully cured in 24 hours
- Market leading precision - No mess, No waste
- Fully adjustable bead size
- One can is equal to twenty 10 oz. tubes

Application Gun
Gun is easily cleaned with cleaner cartridge.
GrassGrid

**What is GrassGrid?**

*GrassGrid* is a lightweight plastic structure manufactured from 100% recycled plastics designed to stabilize and support turf, grass or decorative gravel. GrassGrid is used in the landscape, construction and environmental remediation industries. Positioned under the grass surface, GrassGrid distributes loads from pedestrian and vehicular traffic to the base course below, minimizing grass and root compaction. The interconnected cells allow roots to develop with minimal restriction, resulting in a durable and stable grass surface.

GrassGrid provides you with a grassed alternative to concrete and asphalt surfaces that is practical, aesthetically pleasing and environmentally friendly.

**Applications:**

- Emergency and firelane access
- Vehicle overflow parking lots for commercial developments, homes, sports complexes, festival grounds, churches and more
- Golf cart paths
- Racetrack infield and pit areas
- Drainage channels
- Slope stabilization and erosion control
- Street shoulder parking

**Advantages:**

- Doesn’t lead to ‘Brown Out’ due to heat absorption associated with similar products made from concrete
- Reduces erosion and soil migration
- Permeable alternative to asphalt and concrete surfaces
- Reduces Urban Heat Island Effect
- Conforms to undulating surfaces
- Snap-on connectors ensure modules remain in place
- Enhances site appearance through restoration of vegetation
- Rapid installation with minimal installer training
- Stacking ability reduces storage and transport costs
- Made from 100% recycled materials
- Supports Green Building - LEED®
Sizes and Specifications:

- **Unit Size:** 19 5/8" (500mm) x 19 5/8" (500mm) x 1 9/16" (40mm)
- **Weight:** 9 lbs/yd² (4.7 kg/m²)
- **Material:** Recycled Polypropylene
- **Compressive Strength:** Core Filled 2,000 t/m²
- **Biological/Chemical Resistance:** Unaffected by molds and algae & good resistance to alkalis and bitumen
- **Service Temperature:** -22° F to 120° F (-30° C to 48° C)

GrassGrid has been tested in accordance with ASTM D695-08 to withstand compressive strength exceeding 2000 t/m² (2,844 psi) and exceeds typical load requirements of vehicles, namely:

- Passenger vehicle up to 28 t/m² (40 psi)
- Light duty van up to 42 t/m² (60 psi)
- Fire engine / Container truck up to 77 t/m² (110 psi)
- SCDF CP 2002 80 t/m² (113 psi)

Installation Procedures:

GrassGrid is easily assembled requiring no special tools. The product conforms to odd shapes or profiles, and excess cells may be trimmed with pruning shears.

- Prior to installation, calculate the area where GrassGrid is to be installed
- Excavate and/or level the area
- Install drainage systems, irrigation systems, and utility lines in the subgrade, as needed
- Lay and compact a road base or washed paving sand to provide support for projected weight-bearing loads
- Position GrassGrid cells on the compacted base
- Cover the GrassGrid cells with a recommended sand soil mix for turf establishment
- Apply recommended moisture, water retention agents and fertilizers
- Place seed, turf or hydro-seed onto the filled GrassGrid cells
- Implement regular maintenance schedules

*Note: Installation may vary with different geographical locations. GrassGrid effectively stabilizes decorative gravel.*
A Paving System We Can All Live With®

Desert Sand, Tan Brown & Walnut

Courtesy of Appian Construction
The AquaPave® Permeable On-Site Stormwater Source Control System is an important first effort to reduce excess stormwater runoff quantities and improve water quality.

The AquaPave® system allows commonly recurring rainstorms to infiltrate through a permeable concrete pavingstone surface into a clear crushed open-graded aggregate base before being released into storm sewers or watercourses. Known as permeable interlocking concrete pavement, the system acts as an infiltration facility for the storage, treatment, and improvement of released water.

If the soil subgrade and underlying geology are suitable, some or all of the water can infiltrate directly into the subgrade, thereby substantially reducing outflow rates. Alternately, the surface water can be temporarily stored in the sub-base before being slowly released into the receiving water system. The AquaPave® system helps to clean and improve the quality of runoff water by filtration through the base and microbial action. In many instances, with the use of a tanked system, the outflow can be harvested and re-used for irrigation of domestic and commercial landscapes.

Visit www.pavingstones.com/aquapave for more information about AquaPave® and a complete list of approved installers.
More and more, municipalities are putting the responsibility of stormwater management on developers and homeowners. 

**AquaPave®** is the perfect solution.

---

**Standard with Face Mix**

- Length: 8 1/4" (211.5mm)
- Width: 4 5/16" (110mm)
- Thickness: 3/8" (80mm)
- Area: 3.8 stones /ft², 40 stones /m²

Red, Red/Black, Desert Sand and Brown are available as special orders.
Old Country Stone
Type 1

Length: 87/8" (225mm)
Width: 71/8" (180mm)
Thickness: 23/8" (60mm)
Area: 2.3 stones/ft²
25 stones/m²

Red/Black, Taupe, Tan/Brown and Desert Sand are available as special orders.

*For best results, pavers should be installed from several pallets to ensure color consistency, especially with multi-color blends.
Venetian Series with Face Mix

The Venetian Cobble Series is one of our most innovative accomplishments to date. Venetian Cobble has the aesthetic appearance of natural cut stone, enhancing the Large Format design motif, while softening the lineal appearance by combining five interrelated shapes.

More and more, municipalities are putting the responsibility of stormwater management on developers and homeowners.

*AquaPave*® is the perfect solution.
Elephant Armor®

Choose the best Elephant Armor® formulation for your project:

- **Ultra High Performance Mortar/Overlay**
  is a single component, cementitious, high fiber based, medium to fast setting repair and overlay mortar.

- **DOT Industrial Grade Mortar**
  is an ultra-high performance mortar with its high early and superior bond strength (4000 psi in 4 hours) offers unlimited possibilities for repair work, maintenance, or new construction.

- **Ultra High Performance Asphalt Repair**
  is designed for easy, long lasting asphalt repairs. A cement based product that is odor free, environmentally friendly solution to asphalt repairs and micro-trenching reinstatement.

Designed for easy, permanent concrete repairs and overlays. Elephant Armor®’s patented design is so revolutionary, it makes all other cement-based mortars obsolete.

Easy to Use, Just Add Water

The World’s Most Amazing Cementitious Repair and Overlay Product!

Ideal for repair and overlay use on concrete walkways and driveways, curbs, ramps, slabs, spalls, cracks, bridges, parking structures, tunnels, dams, industrial plants or anywhere a high strength concrete repair mortar is called for.

Repair your concrete sidewalk and stairs with an Elephant Armor® overlay without deconstruction.

Concrete curb repair

Elephant Armor® can be colored and textured

Create counter tops or table tops for outdoor living areas.
**HydraPressed Slabs**

Abbotsford Concrete Products’ HydraPressed Slabs are ideal for applications that require durability and strength with the look of elegance.

HydraPressed Slabs come in three finishes: Texada, Saturna and Sandstone.

**Standard Sizes:**
- 610mm x 610mm x 50mm (24” x 24” x 2”)
- 457mm x 457mm x 40mm (18” x 18” x 1 1/2”)
- 610mm x 305mm x 50mm (24” x 12” x 2”)

Abbotsford Concrete’s HydraPressed Slabs are made to precision sizes with true edges that fit together tightly. Top edges are chamfered for a neat appearance.

HydraPressed Slabs are hydraulically pressed using an advanced method of producing concrete paving that requires 400 tons of hydraulic pressure, resulting in a cured slab with incredible strength and durability.
“Texada” HydraPressed Slabs have a light shot-blast “architectural finish” producing subtle colors with a distinctive elegant appearance.

This series is named after the rugged and beautiful Gulf Islands of the Pacific Northwest.

Actual product colors may vary slightly from chart.
“Saturna” HydraPressed Slabs receive a deep shot-blast “architectural finish” exposing the natural hues of the aggregates, creating rich color accents.

Choose from a variety of colors and textures to achieve that perfect look. Custom colors and sizes can be ordered to meet your special requirements.

Actual product colors may vary slightly from chart.
"Sandstone" HydraPressed Slabs have a similar surface appearance to that of our Pacific Slate paver series but with a light shot-blast “architectural finish”. Ideal for applications where the look of natural stone is required.

Create unique and beautiful patterns by using a combination of any of our other HydraPressed Slab Series. The possibilities are yours to imagine.
Cortez Series Paving Slabs

with our exclusive Face Mix, two layer, unified manufacturing process now allows us to offer a beautiful choice of color blends.

Unleash your creativity on your next project using a variety of colors, shapes and sizes to define your unique style.

Standard Sizes:
- 610mm x 610mm x 50mm (24" x 24" x 2")
- 457mm x 610mm x 50mm (18" x 24" x 2")
- 305mm x 610mm x 50mm (12" x 24" x 2")
- 457mm x 457mm x 50mm (18" x 18" x 2")
- 305mm x 457mm x 50mm (12" x 18" x 2")

Cortez Series Paving Slabs can be installed with our New York Stone Series to provide an even greater range of design possibilities.
New York Stone Series Paving Slabs with our exclusive Face Mix, two layer, unified manufacturing process is a reinvention of our popular York Stone series.

This series with its natural stone-like appearance offers unlimited possibilities with a choice of beautiful color blends in a variety of shapes and sizes.

**Standard Sizes:**
- 610mm x 610mm x 50mm (24" x 24" x 2")
- 457mm x 610mm x 50mm (18" x 24" x 2")
- 305mm x 610mm x 50mm (12" x 24" x 2")
- 457mm x 457mm x 50mm (18" x 18" x 2")
- 305mm x 457mm x 50mm (12" x 18" x 2")

Mix the New York Stone Series Paving Slabs with our Cortez Series for an even greater range of design possibilities.
Aristokrat® Series

2cm Porcelain Slabs

The Aristokrat® Series 2cm Porcelain Slab is manufactured with our patent pending integral mix design, ensuring you the finest quality 2cm Porcelain Slabs on the market.

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

Limestone, Granite, Marble and Quartz Finishes

The Aristokrat® Series Porcelain Slabs are perfect for terraces, roof decks, exterior cladding, patios, court yards, swimming pools, water features or any traditional hardscape areas. Porcelain slabs deliver 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 Aristokrat® Series Slabs are not affected by the passing of time and can be installed by using one of the four following methods: Adjustable Blackjack® Pedestal System, Expanded Polypropylene Panels (EPP), Aggregate or Mortar Set.

Aristokrat® Series Porcelain Slabs are fully rectified for squareness and are dimensionally consistent reducing installation time and cost.

The Aristokrat® Series is extremely versatile: it is thinner and lighter (only 9lbs/ft²) than concrete and natural stone slabs, while providing superior flexural and load-bearing capacity.

Aristokrat® Series Porcelain Slabs are very low maintenance, durable and stain resistant. All slabs come with our proven ‘Anti-Slip’ surface and are available in over 20 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.

**Benefits:**
- No efflorescence
- Use outdoors or indoors
- Stain and mark resistant high density surface
- Precise sizing greatly reducing installation time and cost
- Superior strength / thickness ratio than concrete or natural stone
- Lightweight (only 9lbs/ft²) provides cost savings in shipping and installation
- Install on Blackjack® Pedestal System, Expanded Polypropylene Panels (EPP), Aggregate or Mortar Set
- Can be used in permeable paving slab applications
Standard Sizes:

- 23 1/2" x 47 1/4" x 3/4" (598mm x 1200mm x 20mm)
- 23 1/2" x 35 1/16" x 3/4" (598mm x 898mm x 20mm)
- 23 1/2" x 23 1/2" x 3/4" (598mm x 598mm x 20mm)
- 17 5/8" x 35 1/16" x 3/4" (448mm x 898mm x 20mm)
- 17 5/8" x 17 5/8" x 3/4" (448mm x 448mm x 20mm)

Wood Plank Sizes:

- 8 3/4" x 35 1/16" x 3/4" (222mm x 898mm x 20mm)

All sizes are nominal.

Bull-nosed Coping and Stair Treads are available in all colors, except wood plank colors.

- 11 3/4" x 23 5/16" x 3/4" (298mm x 598mm x 20mm)
Aristokrat® Series Frequently Asked Questions

Will the Aristokrat® Series Porcelain Slabs scratch with my lawn furniture on it?
Most materials will scratch over time HOWEVER the Aristokrat® Series Porcelain Slabs finish is so strong, that you can sharpen a knife or screwdriver on it, so your lawn furniture should not be a problem.

How long will the color last?
UV testing has not shown any fading. We have had the product installed in all weather extremes for many years without any deterioration.

What about efflorescence?
Efflorescence will not occur in the Aristokrat® Series Porcelain Slabs. They are not manufactured using cement powder, which is the key factor in the development of efflorescence.

Can I seal my Aristokrat® Series Porcelain Slabs?
No, do not seal your Aristokrat® Series Porcelain Slabs as they have such low absorbency and are very stain resistant. However, if your installation method requires grouted joints, then it is recommended to seal the grout to prevent staining.

How do I clean them?
Any mild or harsh cleaner may be used. Aristokrat® Series Porcelain Slabs are not affected by acids, alkalies, solvents or abrasives. You can power wash the slabs but most marks can be removed with a mild detergent and water (far better for the environment).

How much do they weigh?
Aristokrat® Series Porcelain Slabs weigh 9 lbs. per square foot, compared to 2" concrete slabs which are 24 lbs. and natural stone can be in excess of 30 lbs. per square foot. The lower weight saves on delivery cost, installation time and reduces engineering requirements for the reinforcement of decks.

How can the Aristokrat® Series Porcelain Slabs be installed?
Aristokrat® Series Porcelain Slabs can be aggregate set (permeable or impermeable), mortar set, installed on Expanded Polypropylene Panels (EPP) or on the adjustable BlackJack Pedestal System.

Do the Aristokrat® Series Porcelain Slabs require spacing between them?
Yes, spacing is required between the slabs to avoid squeaking and chipping that may occur with natural movement. All units of the Aristokrat® Series Porcelain Slabs are pre-engineered to be used in combination with a 3mm joint, allowing the creation of a wide range of patterns.

How do you cut the Aristokrat® Series Porcelain Slabs?
Any good quality continuous diamond blade will cut the slabs. The finer the blade the smoother the cut.

How strong are they?
Aristokrat® Series Porcelain Slabs are very strong. Four times stronger than concrete and up to 10 times stronger than natural stone. As with all porcelain products, if heavy objects are dropped on the surface, fracturing may occur. If the area will be subject to this possibility, extra support may be required.

Are they fireproof for use under my BBQ or in front of my outdoor fireplace?
Aristokrat® Series Porcelain Slabs are totally fireproof but care should be used that your supporting structure is also fireproof.

How many sizes and colors are available?
In our Abbotsford plant, we stock over 20 colors in 6 different sizes available for immediate shipping.

Standard Sizes:
• 23 1/2” x 47 1/4” x 3/4”
• 23 1/2” x 35 5/16” x 3/4”
• 23 1/2” x 23 1/2” x 3/4”
• 17 5/8” x 35 5/16” x 3/4”
• 17 5/8” x 17 5/8” x 3/4”

Also available in the Standard Size colors are 11 3/4” x 23 1/2” x 3/4” Stair Treads and Bull-Nosed Coping, except Wood Plank colors. (IronWood, Sequoia, BeachWood, Tamarack)

Wood Plank Size:
8 3/4” x 35 5/16” x 3/4”

All sizes are nominal.

Are there variations in color between slabs?
Our designers have aspired to create unique patterns and finishes to imitate the look of natural stone. Each color or piece in the Aristokrat® Series has subtle shading and pattern changes to emulate as though it were quarried from the piece next to it. Keeping in mind that nature creates but never duplicates, it is important when installing that you select slabs from numerous pallets to ensure even blending throughout your project.

How does the price compare with other forms of paving?
Aristokrat® Series Porcelain Slabs are about twice the price of concrete slabs and similar in price to natural stone. The advantage lies in the quality and consistency of the product. No fading, durable, scratch resistant, easy to clean, light weight, ease of installation and superior strength.

What about water on the surface?
Aristokrat® Series Porcelain Slabs will absorb almost no water (less than .2 %). Water will actually bead up on the surface, just as it would on a sheet of glass and will with time evaporate. A broom or squeegee will accelerate this process. This is also the reason why most stains are easily cleaned.

Are they slip resistant?
The Aristokrat® Series Porcelain Slabs are manufactured with an anti-slip finish. Independent lab testing results confirm a low probability of slipping.

What about frost and de-icing the Aristokrat® Series Porcelain Slabs?
Like any surface, if there is an accumulation of moisture that is subject to freezing, ice could form resulting in a slippery surface. This can be easily rectified with the use of standard de-icing products.
This installation guide is designed for use by professional hardscape contractors experienced in construction techniques, design considerations and have the required experience and skill set for the installation of hardscape products like: Concrete Paving Stones and Concrete Slabs. Although the Aristokrat® Series Porcelain Slabs are now a hardscaping product, they have an extremely high flexural (transverse) strength and care should be used when handling them to avoid chipping and breaking.

**Characteristics**

Thank you for choosing Aristokrat® Series Porcelain Slabs. Your new product has some unique properties that make the Aristokrat® Series Porcelain Slabs a great choice for your project:

- Precise sizing greatly reduces installation time and cost, as well as providing an overall consistent aesthetic finish.
- A 2 cm (¾”) thick Aristokrat® Series Porcelain Slab is equal in strength to a 4 cm (1½”) minimum thickness of natural stone. This greatly reduces shipping and installation costs.
- The weight of the Aristokrat® Series Porcelain Slabs is only approx. 9 lbs. per sq. ft. compared to 25 lbs. per sq. ft. for 2” concrete, saving on delivery costs, installation time and reducing reinforcement requirements for elevated deck installations.
- The Aristokrat® Series Porcelain Slabs contain no cement so there is no potential for efflorescence.
- The extremely dense surface allows the Aristokrat® Series Porcelain Slabs to have a high resistance to staining, water will actually bead up on the surface of the slab (known as surface tension). In fact the surface tension will not allow sealers to penetrate the slab.
- The Aristokrat® Series Porcelain Slabs have a very high freeze thaw resistance due to their density and very low water absorption < 0.2%.
- The compressive strength is greater than 30,000 psi and has a Flexural Strength for the 18” x 18” greater than 3900 psi and greater than 3,100 psi for the 24” x 24”. As a comparison, the Aristokrat® Series Porcelain Slab at 24”x24”x2cm (¾”) has a minimum of four times the flexural strength of a 24”x24”x2” concrete slab.
- The slip resistance measured as a Dynamic Coefficient of Friction wet or dry is exceptional, leading to a very low probability of slipping.
- Numerous dimensions are available allowing for diverse laying patterns.
- Aristokrat® Series Porcelain Slabs can be used on both the exterior as well as interior of your project ensuring a seamless design.
- LEED credits are available for the Solar Reflectance Index as most Aristokrat® Series Porcelain Slab colors have an SRI of 29 or greater.

**The Aristokrat® Series Porcelain Slabs are rectified at the factory to exacting standards per CSA 231.1–19, ASTM C1782 / C1782M –19 slab tolerances are -1.0 mm to +2.0 mm.**

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

Installation Methods

Set on BlackJack® Pedestal System
over sloped surfaces and utility pipes and conduits
- pedestrian only

Mortar Set
congrete base with thin-set mortar or construction adhesive - pedestrian and vehicular traffic

Expanded Polypropylene Panels (EPP)
on aggregate base
- pedestrian only
- for residential projects

Aggregate Set
on aggregate base
- pedestrian only

Polymeric Tile Sand can be used for Expanded Polypropylene Panels (EPP) Installations as well as Aggregate Set and Mortar Set Installation Methods

Carrara Marble
Courtesy of Landscape 2000
Aristokrat® Series Porcelain Slabs should be installed using the BlackJack® Pedestal System.

The BlackJack® Pedestal System is available in heights ranging from 4 mm (3⁄16”) to 1016 mm (40”), although we recommend a maximum height of 150 mm (6”) be used with the Aristokrat® Series Porcelain Slabs to provide maximum stability and safety.

The OneStep Pedestal is the easiest pedestal to install and it adjusts in 1 mm increments, can be split into halves and quarters and is made from 100% recycled plastic. It has a height range of between 24 mm and 45 mm (9/8” and 1¾”) that may be increased using BJ 20E and/or BJ 40E extenders.

The BlackJack® Pedestals can be used with any pattern, as the spacer tabs are simple to remove.

The BlackJack® Pedestals must be installed over a firm base such as concrete, reinforced wood deck or minimum 60 PSI rigid insulation with protection board to spread the load.

The Aristokrat® Series Porcelain Slabs MUST be installed tight to the pedestals and edge restraints, allowing for no movement. When installing square or large rectangle slabs, the maximum distance between pedestals shall be 600 mm (24”) in any direction. Aristokrat® Series Porcelain Plank Slabs should not exceed more than a 457 mm (18”) spacing.

If heavier static or dynamic loads are expected, then additional pedestals can be used (typically in the middle).

Spacers or pedestals must be used on all sides to prevent chipping and allow for proper drainage.

The Aristokrat® Series Porcelain Slabs may be shimmed in the corners to compensate for uneven laying surfaces; the shims used must not be compressible material such as rubber or roofing shingles but should be firm plastic shims.

The final Aristokrat® Series Porcelain Slab elevation can be perfectly flat, as it allows any surface water to travel through the 3 mm (1⁄8”) pedestal joints to the drains below.

It should be noted that due to the nature of porcelain, a small amount of water will remain on the surface of the slab. This is caused by the surface tension of the slab, just as you would experience with a glass table top. This water will evaporate over time or can be swept into the 3 mm (1⁄8”) gap between the Aristokrat® Series Porcelain Slabs.

This installation method is suitable for pedestrian use only; no vehicles of any kind should be allowed to be used over a pedestal installation.

See pages 66-67 for more information about the BlackJack® Pedestal System

Note: In most built up roof details, rigid insulation is used above or below the protection board. Any application that incorporates rigid insulation in a pedestal support system, the rigid insulation must be a minimum of 60 psi to support the slabs and usage payload. We recommend that you do not exceed a height of 6 inches without the use of additional pedestal support in the centers of the Aristokrat® Series Porcelain Slabs.
The BlackJack® Pedestal System ensures a perfectly level surface.

Spacer tabs are easily removed or trimmed when necessary. Spacer tabs should never extend beyond the finished surface.

Provide proper protection of pre-existing site conditions during installation (i.e. wet cutting residue).

Using the BlackJack® Pedestal System you can achieve perfect finished grades and meet multiple elevation benchmarks.

Placement of slab using hand held suction tools.

Softening the sharp cut edge with a grinding stone.

Pedestal Set with BlackJack® Pedestal System

Dover Grey

Courtesy of J. Mac Contracting
Mortar Set – For Garage and Driveway Applications

Aristokrat® Series Porcelain Slabs can be laid with a thinset mortar set over concrete or for interior applications, over wood suitable for tile laying. The concrete base must be reinforced so as to not crack or settle over time. The concrete surface must contain a minimum 2 degree slope away from the building and toward drains.

The anti-fracture membrane prevents any movement in the concrete base to be transferred directly to the Aristokrat® Series Porcelain Slabs. All Aristokrat® Series Porcelain Slabs have an embossed backing texture to maximize adhesion to the thinset mortar. Some heavier applications require applying thinset to back of slab.

Install using a thinset mortar and grout that is designed for exterior applications. Typically this will be a synthetic or polymer modified exterior tile setting adhesive. Follow the manufacturer’s recommendations for installation and proper application. The finished surface must be sloped to provide water flow to the drains.

The Aristokrat® Series Porcelain Slabs must be cut and jointed over concrete control joints to avoid cracks propagating through the surface of the Aristokrat® Series Porcelain Slabs.

Mortar set Aristokrat® Series Porcelain Slabs are suitable for light passenger vehicles use only, heavy vehicles may crack the structural concrete slab leading to a damaged finished surface.

For interior applications install cement board on a solid and sound sub-floor. **Typical detail:**

1. Plywood subfloor ½” – ¾”
2. Latex/modified thinset primer
3. ½” cement board
4. Fiberglass tape joints
5. Exterior synthetic polymer modified tile adhesive
6. Aristokrat® Series Porcelain Slabs
7. Grout (exterior grade)
8. Seal grouted joints

*NOTE: Anti-fracture / waterproofing membrane will be installed over control joints and areas subject to stress. This will mitigate propagation of cracks going to the surface of the Aristokrat® Series Porcelain Slabs.
Expanded Polypropylene Panels (EPP) – Ideal for Residential and Commercial Projects

Expanded Polypropylene Panels (EPP) were developed to solve several site challenges at once. The system involves a compacted subbase, laying a geo-textile, a layer of free draining 1/4" - 3/8" aggregate (No. 8 stone) for leveling, an Expanded Polypropylene Panel (EPP), Blackjack® BJ-4mm spacers, the Aristokrat® Series Porcelain Slabs and Edge Restraint to contain the installation.

The advantages of Expanded Polypropylene Panels (EPP):
- reduced excavation,
- better drainage,
- better freeze/thaw protection,
- better load transfer,
- solid edge retention

Expanded Polypropylene Panels (EPP) are very helpful in laying Aristokrat® Series Porcelain Plank Slabs due to its pre-leveled design.

For more information: www.pavingstones.com

This system is suitable for foot traffic only.

NOTE: If the compacted subgrade has a high clay content, 3/4" minus road base may be required.
There are two types of aggregate set installation:

**Permeable**, where the water drains between the Aristokrat® Series Porcelain Slabs to a permeable layer below. The best material to be used for a bedding layer is 1”-2” of No. 8 (¼” - ⅜”) clear crush fractured aggregate. The base material will consist of 4”-6” of No. 57 (¾”) clear crush fractured aggregate. This allows all water to infiltrate to the subbase preventing frost heaves or water problems. Both the subbase and bedding layers should be compacted providing a very solid free draining system. To minimize future migration of the No. 8 stone into the No. 57 stone, a light compaction is necessary to eliminate settlement. The use of geotextiles will enhance base performance based on pre-existing poor soil conditions.

**Impermeable**, where the installation uses grout or Polymeric Tile Sand to seal the joints and surface water flows to drains. This polymeric sand is swept into the joints, moistened and dries to a firm grouted joint. This sand has been developed to bond to the sides of Aristokrat® Series Porcelain Slabs and provide years of solid performance.

Over the bedding layer, the BlackJack® BJ-4mm Pedestal System is used at the corners of the Aristokrat® Series Porcelain Slabs to provide spacing and stability. The spacing of the pedestals should never exceed 18 to 24 inches in any direction depending on the dimension of the Aristokrat® Series Porcelain Slab. The Aristokrat® Series Porcelain Slab in the plank configuration should have a pedestal every 12 to 18 inches, depending on the installation method chosen. The installation must be retained on all sides with an edge restraint such as concrete, plastic or metal.
Aristokrat® Series Installation Tips

**Tools**
- All cutting of Aristokrat® Series Porcelain Slabs **MUST** be done with a wet saw of a suitable size to accommodate the Aristokrat® Series Porcelain Slab. Table and rail saws are available up to 60” in length. A high RPM saw is recommended and the blade used **MUST** be a continuous rim designed for porcelain slab cutting to avoid unnecessary damage to the cutting edge.
- A vacuum suction cup lifter, often used for the handling of glass, is very handy to place Aristokrat® Series Porcelain Slabs under flashing or to remove Aristokrat® Series Porcelain Slabs to make adjustments, or to be able to access maintenance concerns. Do **NOT** use mechanical clamps or screwdrivers to lift or shift the Aristokrat® Series Porcelain Slabs as it could damage the slab.
- Safety glasses and gloves should always be worn when handling Aristokrat® Series Porcelain Slabs to protect your eyes and your hands.

**Cutting**
For best results consider grinding equipment for edge detail after cutting occurs to soften the sharp 90 degree cut edge.

**Vacuum Placement**
2 man battery operated vacuum equipment may be used to increase production, placement and handling.

**Spacers**
All Aristokrat® Series Porcelain Slabs have been pre-engineered to be installed with a 3 mm gap using the Blackjack® Pedestal System. The configuration of all patterns is based on the 3 mm gap size of the Blackjack® Pedestal System. For mortar set applications, standard 3 mm commercial tile spacers may be used.

**Compaction**
Regardless of the installation method used, all base materials **MUST** be pre-compacted or rigid as in the case of concrete or roof top membranes. Any movement in the base will be reflected in the finished surface.

**Retention**
All Aristokrat® Series Porcelain Slabs must be laid tight to the spacer tabs and retained on the perimeter to keep the installation firm and prevent lateral shifting.

**Handling**
- Pallets of Aristokrat® Series Porcelain Slabs are packaged with all-weather plastic covers to protect corners and edges from chipping in transit.
- Care **MUST** be taken not to contact the Aristokrat® Series Porcelain Slabs with other Aristokrat® Series Porcelain Slabs or other hard surfaces as chipping can occur.
- Protective covering should be left on the Aristokrat® Series Porcelain Slabs until they are ready for installation.
- All protective covering is made of wood or plastic which can be recycled, no cardboard is used.
- If any of the Aristokrat® Series Porcelain Slabs break, the edges will be very sharp and must be handled with care.
- Since the Aristokrat® Series Porcelain Slabs are vertically placed on pallets, support the outside edge to prevent slabs from falling off the pallet after the plastic is removed.
- A plate compactor should **NEVER** be used over the Aristokrat® Series Porcelain Slabs.

**Sealers**
Do **NOT** attempt to seal the surface of the Aristokrat® Series Porcelain Slabs. The low absorption rate prevents the sealer from absorbing into the surface of the Porcelain Slab causing the sealer to flake off. Cement grout joints should be sealed using manufacturer’s recommendations to prevent staining and assist in on-going maintenance.

Under no circumstances should the Aristokrat® Series Porcelain Slabs ever be laid tightly together without a spacer as chipping will occur in time.
Our designers have aspired to create unique patterns and finishes to imitate the look of natural stone. Each color or piece in the Aristokrat® Series has subtle shading and pattern changes to emulate as though it were quarried from the piece next to it. Keeping in mind that nature creates but never duplicates, it is important when installing that you select slabs from numerous pallets to ensure even blending throughout your project.
While the colors shown here are represented as accurately as possible, they should only be used as a guide. Actual full size samples should be viewed before making a final color selection.

Visit our website at www.pavingstones.com or a dealer near you for full size samples and complete details about this exciting new product.
Aristokrat® Series

Pattern Guide to help you order and layout your project

Random Pattern 4
Milan, Siena and Tuscan Travertine

With over 20 colors and 5 sizes, the possibilities are endless!

Plank Runner Bond 1
8¼” x 35½” – 100% of area
Every 101.25 sq ft requires approx. 110 pedestals

Plank Runner Bond 2
8¼” x 35½” – 100% of area
Every 101.25 sq ft requires approx. 170 pedestals
Random Pattern 1
24"x48" (60cm x 120cm) 23% of area
24"x36" (60cm x 90cm) 23% of area
24"x24" (60cm x 60cm) 11% of area
18"x36" (45cm x 90cm) 26% of area
18"x18" (45cm x 45cm) 17% of area

Every 105 sq ft requires approx. 59 pedestals

Random Pattern 2
18"x36" (45cm x 90cm) 57% of area
18"x18" (45cm x 45cm) 43% of area

Every 121.5 sq ft requires approx. 76 pedestals

Random Pattern 3
24"x48" (60cm x 120cm) 40% of area
24"x36" (60cm x 90cm) 30% of area
24"x24" (60cm x 60cm) 30% of area

Every 100 sq ft requires approx. 43 pedestals

Random Pattern 4
24"x48" (60cm x 120cm) 25% of area
24"x36" (60cm x 90cm) 19% of area
24"x24" (60cm x 60cm) 13% of area
18"x36" (45cm x 90cm) 24% of area
18"x18" (45cm x 45cm) 19% of area

Every 94.5 sq ft requires approx. 59 pedestals
Runner Bond Pattern 1
24”x48” (60cm x 120cm) 36% of area
24”x36” (60cm x 90cm) 28% of area
24”x24” (60cm x 60cm) 27% of area

Every 98 sq ft requires approx 51 pedestals

Random Pattern 5
24”x48” (60cm x 120cm) 46% of area
24”x36” (60cm x 90cm) 27% of area
24”x24” (60cm x 60cm) 27% of area

Every 104 sq ft requires approx 47 pedestals

Runner Bond Pattern 2
18”x36” (45cm x 90cm) 44% of area
18”x18” (45cm x 45cm) 56% of area

Every 101.25 sq ft requires approx 86 pedestals

Random Pattern 6
18”x36” (45cm x 90cm) 67% of area
18”x18” (45cm x 45cm) 33% of area

Every 101.25 sq ft requires approx 66 pedestals
Herringbone 45° and 90°
18”x36” (45cm x 90cm) 100% of area
Every 99 sq ft requires approx 62 pedestals
24”x48” (60cm x 120cm) 100% of area
Every 96 sq ft requires approx 38 pedestals

Basket Weave 45° and 90°
24”x36” (60cm x 90cm) 100% of area
Every 96 sq ft requires approx 48 pedestals

Lattice Pattern
18”x36” (45cm x 90cm) 44% of area
18”x18” (45cm x 45cm) 56% of area
Every 110.25 sq ft requires approx 64 pedestals
24”x48” (60cm x 120cm) 44% of area
24”x24” (60cm x 60cm) 56% of area
Every 120 sq ft requires approx 40 pedestals

Parquet Pattern
18”x36” (45cm x 90cm) 100% of area
Every 108 sq ft requires approx 63 pedestals
24”x48” (60cm x 120cm) 100% of area
Every 128 sq ft requires approx 45 pedestals
Two adjustable support systems for installing slabs.

**BlackJack® Screw Jack Pedestals** are a height and slope adjustable pedestal for slab and decking support, engineered to reduce material, construction and lifecycle costs. It caters to a wide range of height requirements, from 2 7/₈ - 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, LEED® points available**

BlackJack® is manufactured from recycled polypropylene, LEED® points available.

**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.

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**Top Slope Corrector**

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

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**Locking Ring**

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

---

**Spacer Tab**

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

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**Joist Holder (special order)**

Joist Holders accommodate joist width from 1 1/₄" to 3 1/₄" (35mm - 80mm) to keep joists firmly in place on pedestals.

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Visit our website at www.pavingstones.com to download a complete BlackJack® Product Guide.
**Applications:**
BlackJack® OneStep System is used to support a wide range of concrete, natural stone and marble slabs on:
- Roofs
- Plaza decks
- Balconies
- Swimming pool surrounds
- Verandas
- Patios

**System Advantages:**
- Minimum height of .16" (4mm)
- Easy to install and lightweight
- OneStep provides progressive 1mm adjustment
- Lock height adjustment in place with locking pins
- 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 4.1" (104mm) has ultimate compressive strength of ≥ 5618 lb (25 kN).

**LEED® Points Available**
BlackJack® OneStep System is manufactured from recycled polypropylene.
Whether you're a professional or a do-it-yourselfer, the StoneHenge Series is the ultimate building block to create those unique one of a kind pieces for the ultimate in outdoor living spaces. Imagination will be the only limit of your distinctive creations.
Great ideas to make your dream outdoor living space
Open-air Kitchens, Pizza Ovens & Grills, Fire Pits & Fire Tables, Refreshment Bars, Pub-style & Kitchen Tables, Water Features, Bench Seats - linear or curved, Fireplaces, Privacy Walls and Fences, Pergolas & Pavilions, the list is endless.
Wall Patterns 1 and 2

Wall Patterns 3 and 4

Wall Patterns 5 and 6

Use tapered and standard units to create curved walls or benches.

Imagine enjoying the atmosphere of your favorite get-away right in your own yard. Abbotsford Concrete’s StoneHenge allows you to create these breathtaking outdoor surrounds at a fraction of the cost, while greatly enhancing the value of your home.

Choose from four beautiful color blends to enhance your hardscape:

- Walnut
- Charcoal
- Sandalwood
- Granite

Pattern 1
Standard Units Only
72 pcs /11 linear feet of wall

Pattern 2
Standard Units Only
65 pcs /10 linear feet of wall

Pattern 3
Standard Units Only
65 pcs /10 linear feet of wall

Pattern 4
Standard and Tapered Units
75 pcs /10 linear feet of wall
1:1:1 ratio

Pattern 5
Standard Units Only
65 pcs /10 linear feet of wall

Pattern 6
Standard Units Only
50 pcs /10 linear feet of wall
Table Designs

- **24” x 24” base – 40” high**
  - 32 pcs. required

- **20” x 20” base – 40” high**
  - 26 pcs. required

- **32” x 32” base – 40” high**
  - 48 pcs. required

Pillar Designs

- **28” x 28” – 8” high rows**
  - 8 pcs. / row

- **20” x 20” – 4” high rows**
  - 4 pcs. / row

- **32” x 32” – 4” high rows**
  - 8 pcs. / row

- **32” x 32” – 4” high rows**
  - 12 pcs. / row

- **20” x 20” – 4” high rows**
  - 6 pcs. / row

- **32” x 32” – 4” high rows**
  - 12 pcs. / row

**StoneHenge units** install quickly and easily by simply adhering to each other using a premium grade concrete construction adhesive, available at any of your Abbotsford Concrete Dealer Representatives.
**PisaLite® Wall System**

The PisaLite® retaining wall system offers the ultimate in flexibility of design from taming that steep slope, to creating a beautiful focal point in your landscape design. With its lightweight composition it is easy to install and requires little maintenance. PisaLite® with its multi-piece system allows you to create sweeping curves and unique patterns to reflect your individual taste. PisaLite® enables you to manage and optimize grade changes on your project to create incredible raised patios, terraces, planters and parking areas.

### Standard Unit
- Size: 200mm (w) x 150mm (h) x 300mm (d) or 8”(w) x 6”(h) x 12”(d)
- Weight: 31 lbs

### Tapered Unit
- Size: 200mm (w) x 150mm (h) x 300mm (d) or 8”(w) x 6”(h) x 12”(d)
- Weight: 29 lbs

### Jumbo Unit
- Size: 300mm (w) x 150mm (h) x 300mm (d) or 12”(w) x 6”(h) x 12”(d)
- Weight: 44 lbs
  - Functions Horizontally or Vertically

### Half Unit
- Size: 100mm (w) x 150mm (h) x 300mm (d) or 4”(w) x 6”(h) x 12”(d)
- Weight: 15 lbs

### Corner Units
- Size: 200mm (w) x 150mm (h) x 300mm (d) or 8”(w) x 6”(h) x 12”(d)
- Weight: 40 lbs

### Cap
- Size: 610mm (w) x 330mm (d) x 80mm (h) or 24”(w) x 13”(d) x 31/8”(h)
- Weight: 73 lbs

To complement and provide extra character to your PisaLite® project, exact replica sized units have been created with lights or speakers in them. For more details, please contact your Abbotsford Concrete dealer representative.

To download our complete design and installation manual, visit [www.pavingstones.com](http://www.pavingstones.com)
Abbotsford Concrete Products manufactures PisaLite® in six attractive color blends that can be used individually or can be combined with each other to create a unique palette to complement any project.

- Natural
- Granite
- Charcoal
- Sandalwood
- Moroccan Sunset
- La Jolla

Cap Units are available in Brown, Charcoal, Natural and Sandalwood.
**Pisa OneStone™ Wall System**

The Pisa OneStone™ is a large format engineered segmental retaining wall system that can be used for a variety of architectural styles and designs from residential to commercial.

**Standard Unit**
18”(w) x 8”(h) x 12”(d)
457mm (w) x 203mm (h) x 305mm (d)
80 lbs

**Combo Unit**
(Left and Right)
18”(w) x 8”(h) x 12”(d)
457mm (w) x 203mm (h) x 305mm (d)
80 lbs

**Corner Units**
18”(w) x 8”(h) x 9”(d)
457mm (w) x 203mm (h) x 229mm (d)
77 lbs

**Cap Unit**
24”(w) x 13”(d) x 31/8”(h)
610mm (w) x 330mm (h) x 80mm (d)
73 lbs

Pisa OneStone™ comes in one size with three different faces, allowing you to create different patterns without having to use a multi-stone system.

**To download our complete design and installation manual, visit** www.pavingstones.com
Abbotsford Concrete Products manufactures Pisa OneStone™ in six attractive color blends that can be used individually or can be combined with each other to create a unique palette to complement any project.

Natural
Granite
Charcoal
Sandalwood
Moroccan Sunset
La Jolla

Offset Runner Bond
Pattern One
Pattern Two
Pattern Three

Offset Runner Bond
Pattern Two
Pattern Three

Rear Wings Remove for Convex Curved Walls
Integral Shear Knob
Integral Offset Groove for Automatic Alignment
False Joint for Variable Patterns Available in Left & Right
Classic Split-face Texture

Caps Units are available in Brown, Charcoal, Natural and Sandalwood.

The unparalleled flexibility of Pisa OneStone™ creates an impressive array of harmonious design possibilities for your next project.
Finally... a mortarless garden wall system that’s easy to handle!

**Classic Face**
- 12"(w) x 6"(h) x 7½"(d)
- 25 lbs

**Corner Unit**
- 14"(w) x 6"(h) x 8"(d)
- 57 lbs

**Cap**
- 18"(w) x 9"(d) x 23/8"(h)
- 29 lbs

**Tumbled Cap**
- 7½"(w) x 9"(d) x 2½"(h)
- 12 lbs

Cap Units are available in Brown, Charcoal, Natural and Sandalwood.

With Abbotsford Concrete’s **Garden WallScapes**, you can create beautiful retaining walls, stairs and raised garden beds that will enhance any landscape for many years to come.
Stair Details

Stairs are easy to build with Garden WallScapes and Old Country Stone.

- Inside Rectangle
- Outside Rectangle
- Inside Curve
- Outside Curve
- Interlocking Concrete Connector Detail

Position alignment lugs on the bottom of blocks into the cavity of the course below.

Granite WallScapes
Courtesy of Haddow Ground Works
Step Down With Planting

Corner & Capping Details
Incorporate planters with the design of your stairs to create a softer, more natural look.

Step Down Capping Detail

Step Down Capping Detail

Minimum Outside Diameter 5'(approx)

Garden WallScapes Installation Guide

1. Dig a base trench 16 inches wide and 6 inches deep. Remove all vegetation and unsuitable organic soils. (Do not use these for structural backfill)

2. Compact the soil base properly.

3. Fill the trench with 4 inches of well-graded gravel material, (1/2” minus or 3/4” minus road mulch) compacting firmly in 2-inch layers to ensure proper compaction.

Note: Hand tamping tools may be used, but vibrating compaction equipment is recommended.

4. Level the gravel base from front to back and side to side. This procedure will ensure a straight and stable wall.

5. Lay your first course using a string line to help with alignment. Place each unit edge-to-edge, lining up the back of the units with the string. For smooth curves use flexible 1” PVC pipe as your guide.

A perforated drainage pipe must be placed at the base of the wall and must be sloped toward a catch basin or drainage area.

6. As you lay each unit of the first row, check the level of the block from side to side and front to back. Careful preparation of this base row is the key to having a successful and attractive finished project.

7. Start stacking the remaining rows making sure the alignment lugs are face down. Be sure to sweep the top of each course of units to clear debris. Half stagger the next row so each unit is centered on two units below. Pull each unit forward to lock connecting lugs in place. Corners must be secured using an approved concrete adhesive.

8. Fill the hollow core of the units and the trench behind the wall with free-draining crushed gravel, making sure to carefully compact this material to help lock the units in place. Repeat this procedure for each row.

9. Place filter fabric on top of the backfill and drainage materials. This will ensure that the “drainage chimney” remains clear. Cover with topsoil.

10. Sweep off the top course of units. Secure caps to the top of the wall using an approved concrete adhesive. Use a level piece of string to properly align the capping.

Easy Calculation Chart

Match the number of rows with the length of your wall to find the number of blocks you will need. Garden WallScapes should not exceed 5 rows in height without consulting a professional engineer. One corner unit is required for every corner in a row as well as each step-down.

Notes: 1. Each course of Garden WallScapes has a 3º batter or setback which is approx 3/8” per course.

2. When terracing, you must step back twice the distance of the height of the lower wall.

<table>
<thead>
<tr>
<th>Wall Height</th>
<th>5'</th>
<th>10'</th>
<th>15'</th>
<th>20'</th>
<th>25'</th>
<th>30'</th>
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<tbody>
<tr>
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<td>15</td>
<td>20</td>
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<td>50</td>
<td>75</td>
<td>100</td>
<td>125</td>
<td>150</td>
</tr>
</tbody>
</table>

Incorporate planters with the design of your stairs to create a softer, more natural look.

Minimum Outside Diameter 5'(approx)
• “Natural” split face finish on both sides makes the wall attractive from any angle
• Mortarless self aligning interlocking system
• Lightweight (17 lbs/unit) – Easy to install
• Virtually no maintenance
StackWall Unit
8"(w) x 4"(h) x 8"(d)
17 lbs

StackWall Coping
8"(w) x 4"(h) x 8"(d)
17 lbs

StackWall Corner
11"(w) x 4"(h) x 8"(d)
28 lbs

Position bottom channel to fit on the alignment lugs on top of blocks.

Create your own uniquely shaped planters.... It’s easy with StackWall
1. Dig a base trench 16 inches wide and 6 inches deep. Remove all vegetation and unsuitable organic soils. (Do not use these for structural backfill)

2. Compact the soil base properly.

3. Fill the trench with 4 inches of well-graded gravel material, (1/2" minus or 3/4" minus road mulch) compacting firmly in 2-inch layers to ensure proper compaction. Note: Hand tamping tools may be used, but vibrating compaction equipment is recommended.

4. Level the gravel base from front to back and side to side. This procedure will ensure a straight and stable wall.

5. Lay your first course using a string line to help with alignment. Place each unit edge-to-edge, lining up the units with the string. For smooth curves use flexible 1" PVC pipe as your guide.

6. As you lay each unit of the first row, check the level of the block from side to side and front to back. Careful preparation of this base row is the key to having a successful and attractive finished project.

7. Start stacking the remaining rows; make sure to sweep the top of each course of units to clear debris. Half stagger the next row so each unit is centered on two units below. Corners must be secured using an approved concrete adhesive.

8. Fill the trench behind the wall with free-draining crushed gravel. Repeat this procedure for each row.

9. Sweep off the top course of units. Secure caps to the top of the wall using an approved concrete adhesive.

### Corners

Corners are a snap with the StackWall corner unit. Alternate the direction of the corner units for each course as shown here.

### Straight Walls

To construct a solid wall that requires the aesthetics of the split face finish on both sides, alternate the units as shown here.

If the wall is viewed on one side only, you can install the units by aligning the larger faces as shown here. This type of layout is necessary for curved walls.

### Curves

The minimum diameter for a curve is 42" for inside curves, and 58" for outside curves. For inside curves, either the larger or smaller face can be used to create the curve you desire. The larger face must be used on all outside curves.

Where a wall changes direction, start the change by simply reversing the units.

### Easy Calculation Chart

Match the number of rows with the length of your wall to find the number of blocks you will need. StackWall should not exceed 6 rows in height including coping, without consulting a professional engineer. One corner block is required for every corner in a row as well as each step-down.

Note: When terracing, you must step back twice the distance of the height of the lower wall.

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<tr>
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<table>
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<th>Semi-Solid Wall Length</th>
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<tr>
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<td>8&quot;</td>
<td>13 25 37 49 61</td>
</tr>
<tr>
<td>10&quot;</td>
<td>16 31 46 61 76</td>
</tr>
</tbody>
</table>
Frequently Asked Questions

1. What are Interlocking Concrete Paving Stones (ICPS)?
   Pavers are individual precast concrete units. They are produced on specially designed paving stone machines. This specialized manufacturing process ensures an exacting quality controlled environment that produces pavers of higher strength and durability than normal concrete. Pavers are a minimum of 8000 psi, compared to about 2500 psi for poured in place concrete.

2. How Long Have Paving Stones Been in Use?
   The original paving stone solution was put in place by the Roman armies of early A.D. They built roads using an aggregate base with the placement of stones on top. These roads are still in place today and wind their way through the European countryside.

3. How Does the Interlocking System Work?
   Interlocking concrete paving stones are used at airports, container facilities, railway facilities, municipal streets, plazas, parks, driveways, walkways and patios. Pavers have gained prominence ever since.

4. What Types of Areas Are Appropriate for Interlocking Pavers?
   Interlocking concrete paving stones are used at airports, container facilities, railway facilities, municipal streets, plazas, parks, driveways, walkways and patios. Pavers are the perfect solution for almost any application because of their high quality, aesthetic value, and lower life cycle cost in comparison to asphalt or concrete.

5. How Does The Weather Affect ICPS?
   Upon experiencing freeze/thaw cycles pavers will not crack or spall as normal cast in place concrete.

6. Are Paving Stones Slippery?
   No. Interlocking concrete paving stones actually surpass the standards for slip resistance established by the American Disabilities Act.

7. Can I Drive on my HydraPressed or Paving Slabs?
   No, you cannot. The slabs are strictly designed for pedestrian areas such as plazas, patios and walkways. Any pavers larger than 12 x 12 x 2-3/8 inches thick is deemed to be unsuitable for vehicular traffic due to flexural issues by CSA, and ASTM specifications.

8. What is the White Stuff on My Pavers?
   Calcium oxide inside the paver reacts with water in the capillaries and forms calcium hydroxide. This seeps to the surface, and reacts with the carbon dioxide in the air to form calcium carbonate, a whitish residue called efflorescence. When moisture on the surface evaporates, the white efflorescence becomes visible. If efflorescence is present, it will wash or wear off over the course of time. If you wish to become more aggressive in the removal of efflorescence, there are cleaners available that are designed to remove efflorescence.

9. Should I Seal My Pavers?
   Absolutely, you've made a considerable investment in your hardscape project, why would you not protect it like other parts of your home. Using a high solids content, gas and oil resistant sealer will achieve 5 goals:
   1. The pavers will be protected from gas, oil, grease, food and leaf stains.
   2. The sealer will help maintain and protect the original colors.
   3. Limits vegetation growth.
   4. Prevents efflorescence from recurring.
   5. Helps with general overall maintenance.

10. Will Vegetation Grow From Underneath?
    The sealing process can take place immediately upon completion of installation or at anytime in the future provided you have 4-5 days of warm dry weather. If you've used Polymeric Joint Sand, instead of Abbotsford Concrete's Interlocking Paver Joint Sand, you must refer to the polymeric joint sand and/or sealer manufacturer's recommended application instructions.

11. Can We Overlay ICPS on Pre-existing Asphalt or Concrete?
    The sealing process can take place immediately upon completion of installation or at anytime in the future provided you have 4-5 days of warm dry weather. (If you've used Polymeric Joint Sand, instead of Abbotsford Concrete's Interlocking Paver Joint Sand, you must refer to the polymeric joint sand and/or sealer manufacturer's recommended application instructions.)

12. Where can I find an ICPI Accredited Installer?
    From Underneath?

NOTE: Caution should be used when cleaners are applied near vegetation. Do not use muri-
Specifications:

ABBOTSFORD CONCRETE PRODUCTS
Pavers are manufactured to ASTM C936/C936M-18 and CSA A231.2-19 specifications.

HydraPressed Slabs to CSA A231.1-19 ASTM C1782/C1782M-19 specifications.

**Compressive strength:** 8000 PSI (55 MPA)
**Absorption:** shall not exceed 5%
**Weight:**
- 1-1/2" (40mm): approx. 20lbs/ft² (98kg/m²)
- 2" (50mm): approx. 25lbs/ft² (122kg/m²)
- 2-1/8" (60mm): approx. 32lbs/ft² (150kg/m²)
- 3-1/8" (80mm): approx. 37lbs/ft² (188kg/m²)

NOTE:
Efflorescence is a whitish powder like deposit of calcium carbonate that may appear on the product. It is a natural by-product of the cement hydration process and is inherent in all concrete products. It will usually wash or wear off in the course of time. If you do not wish to wait for this natural process to occur, cleaners designed specifically for removal are available. Contact your local dealer. DO NOT USE MURIATIC ACID directly as it will damage the color. Efflorescence in no way affects the integrity of the product, and is not a cause for rejection.

Cleaning and sealing can take place immediately after installation, weather permitting. If you’ve used Polymeric Joint Sand, instead of Abbotsford Concrete’s Interlocking Paver Joint Sand, you must refer to the polymeric joint sand and/or sealer manufacturer’s recommended application instructions.

Visit our website for more great ideas
www.pavingstones.com

Aristokrat® Series, Coffee Cream Courtesy of Inside Out Design and Build