

Brown's Concrete understands the importance of an outdoor is always looking to the future of residential, commercial and living space. It is a sanctuary that is uniquely your own, establishing a positive first impression and adds value to your provide you with a unique, attractive and innovative solution. property.

For more than a century, Brown's has been adding value to concrete. As a family owned and operated business, we rely on the strength of each other, just as our concrete relies on the strength of granite to provide a superior product. From our concrete construction block, to our Signature Collection, we always strive to provide only the best quality product to our winner. customers.

At Brown's, we are dedicated to developing new ideas, products and innovative solutions for your hardscape projects. Our team

institutional construction to find the next trend so that we may

As the trend towards green construction and environmentally friendly practices grows, so have our efforts to meet those trends. Our AquaPave by Brown's permeable paver system is a complete system that provides a proven solution for controlling rainfall and surface water run-off. With many systems in place for over a decade, the AquaPave system has proven to be a

From all of us at Brown's Concrete, we look forward to another great season.

#### PRODUCT APPLICATION LEGEND



SUITABLE FOR DRIVEWAYS

SUITABLE FOR ROADWAYS

SUITABLE FOR PATIO

AND PORCH OVERLAYS



SUITABLE FOR FIRE PITS

PERMEABLE PAVER



SUITABLE FOR PEDESTRIANS



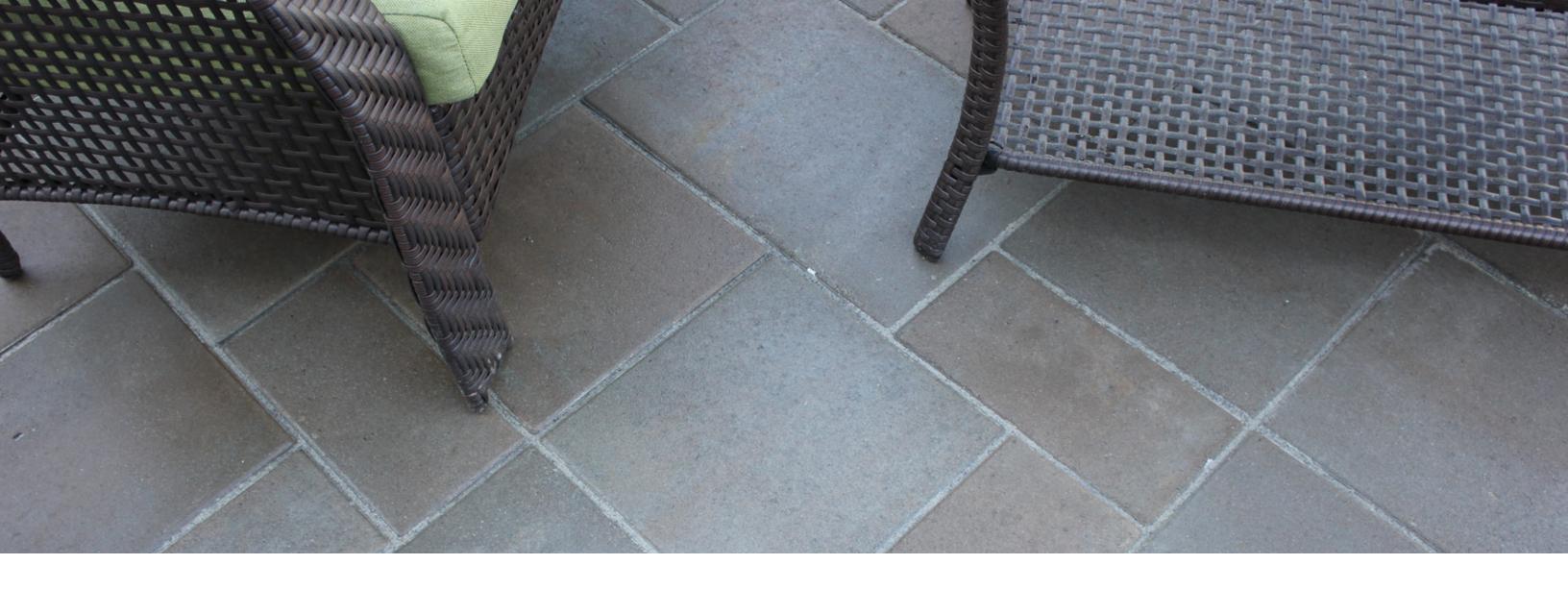
SUITABLE FOR STAIRS



SUITABLE FOR COMPACTOR USE



SUITABLE FOR COMPACTOR USE WITH RUBBER PAD



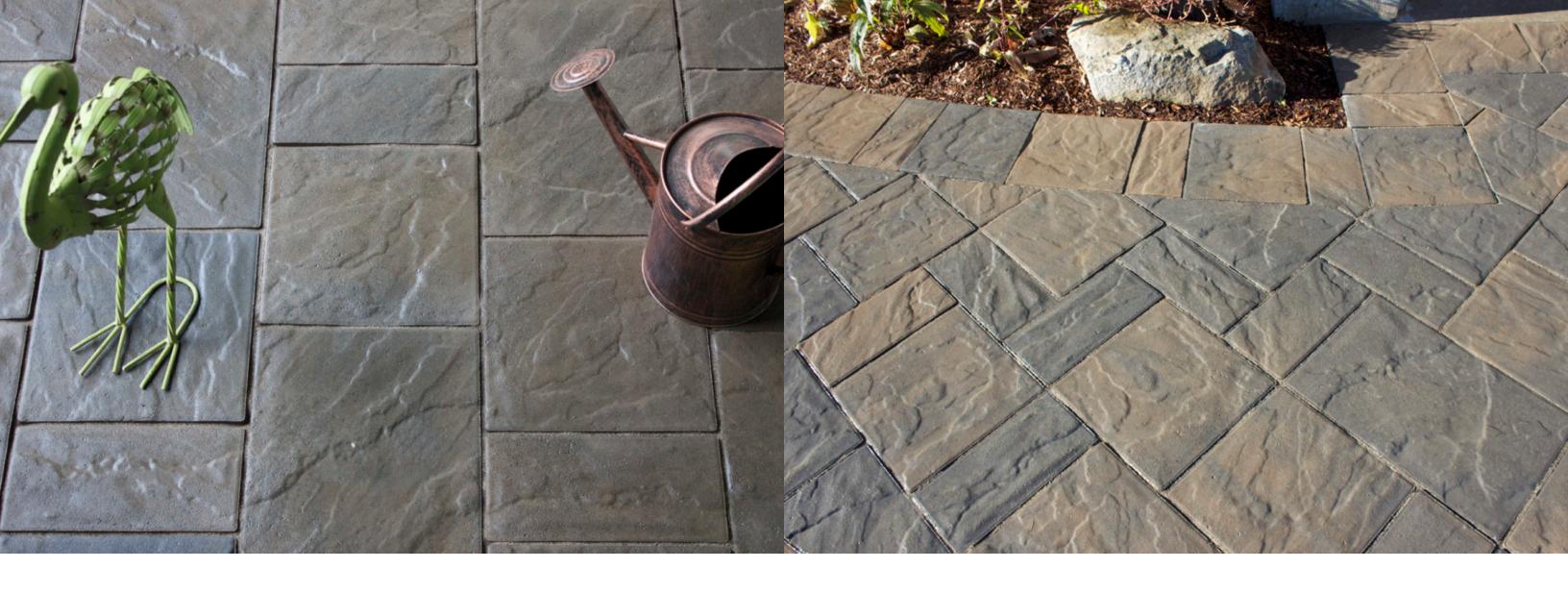
## DRY CAST PAVER COLLECTION

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Brown's Concrete Products Limited offers a wide range of landscape design products and expertise that will help you create an amazing reflection of your own good taste. Our quality products meet and exceed industry manufacturing standards that will ensure impeccable results for your dream projects.





### APPIAN 50

#### SHAPES & SIZES



APPIAN 70 13" x 6.5" x 2.76" 330mm x 165mm x 70mm APPIAN 50 13" x 6.5" x 1.97" 330mm x 165mm x 50mm



APPIAN 70 13" x 13" x 2.76" 330mm x 330mm x 70mm APPIAN 50 13" x 13" x 1.97" 330mm x 330mm x 50mm



APPIAN 70 19.5" x 13" x 2.76" 495mm x 330mm x 70mm APPIAN 50 19.5" x 13" x 1.97" 495mm x 330mm x 50mm



APPIAN 70 SOLDIER 13" x 6.5" x 2.76" 330mm x 165mm x 70mm



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APPIAN 70

### COLOURS



BLACKWOOD







NIPISSING



TIMBERWOOD





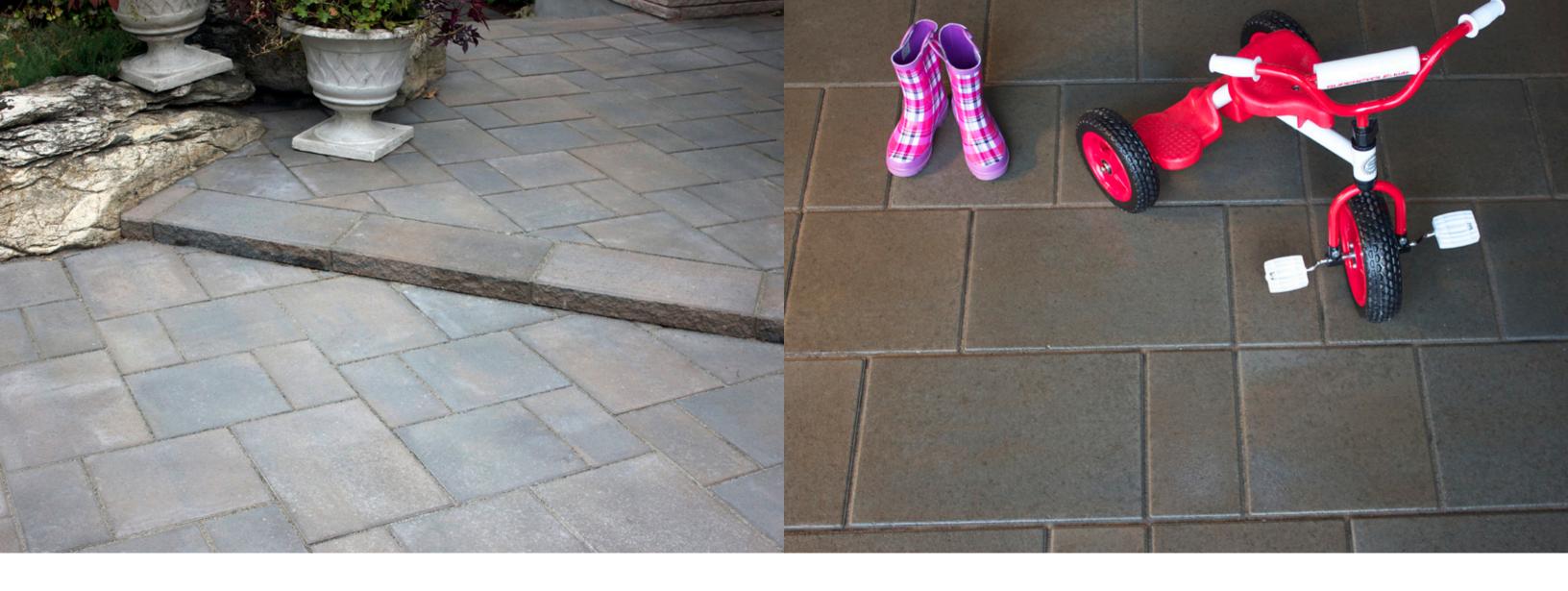
SANDSTONE (soldier only)

CHARCOAL (soldier only)





DRIFTWOOD



### AZTEC 50

### SHAPES & SIZES



AZTEC 70 13" x 6.5" x 2.76" 330mm x 165mm x 70mm AZTEC 50 13" x 6.5" x 1.97" 330mm x 165mm x 50mm



AZTEC 70 13" x 13" x 2.76" 330mm x 330mm x 70mm AZTEC 50 13" x 13" x 1.97" 330mm x 330mm x 50mm



AZTEC 70 19.5" x 13" x 2.76" 495mm x 330mm x 70mm AZTEC 50 19.5" x 13" x 1.97" 495mm x 330mm x 50mm



### AZTEC 70









TIMBERWOOD







### SHAPES & SIZES



9.25" x 4.53" x 3.15" 235mm x 115mm x 80mm



10.83" x 4.53" x 3.15" 275mm x 115mm x 80mm



12.4" x 4.53" x 3.15" 315mm x 115mm x 80mm



14" x 4.53" x 3.15" 355mm x 115mm x 80mm



9.25" x 3.35" x 3.15" 235mm x 85mm x 80mm



10.83" x 3.35" x 3.15" 275mm x 85mm x 80mm



12.4" x 3.35" x 3.15" 315mm x 85mm x 80mm



14" x 3.35" x 3.15" 355mm x 85mm x 80mm

## **ATHENIAN**

### SHAPES & SIZES



6.42" x 6.42" x 2.76" 163mm x 163mm x 70mm





327mm x 163mm



409mm x 163mm x 70mm

### COLOURS



BLACKWOOD



NIPISSING

#### COLOURS



BLACKWOOD

**AVENNIO** 









GRANITE



## NORDIC

# $AQUAPAVE^{\circledR}$

### SHAPES & SIZES



NORDIC 7.91" x 3.97" x 2.36" 200mm x 100mm x

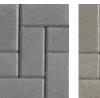
NORDIC SQUARE 7.91" x 7.91" x 2.36" 200mm x 200mm x 60mm (Special order) Nordic is available in 80mm and 80mm Herringbone Pattern

### COLOURS





BLACKWOOD CHARCOAL





GRANITE



LAURENTIAN



ROBINSON



TIMMINS





### SHAPES & SIZES



AQUAPAVE® 7.91" x 3.97" x 3.15" 200mm x 100mm x 80mm











### **COLONIAL**

### SHAPES & SIZES



6" x 6" x 2.36" 150mm x 150mm x 60mm

3" x 6" x 2.36" 75mm x 150mm x 60mm (not shown - 20 pieces)



6" x 9" x 2.36"





9" x 9" x 2.36" 225mm x 225mm x 60mm

#### COLOURS



BLACKWOOD



SANDSTONE



**VENETIAN** 

### SHAPES & SIZES



240mm x 240mm x 60mm



VENETIAN SQUARE VENETIAN CIRCLE 9.5" x 9.5" x 2.36"



VENETIAN RANDOM

4.8" x 4.8" 2.4" x 4.8" x 2.36" x 2.36" 120mm 60mm x 120mm x 120mm x 60mm x 60mm

COLOURS



BLACKWOOD LAURENTIAN



ROBINSON



12 1.800.461.4888 | BROWNSCONCRETE.COM MADE STRONG WITH THE FINEST GRANITE AGGREGATE



### SHAPES & SIZES



**12" x 12" x 2.36"** 300mm x 300mm x 60mm



9" x 9" x 2.36" 225mm x 225mm x 60mm



6" x 12" x 2.36" 150mm x 300mm x 60mm



6" x 9" x 2.36" 150mm x 225mm x 60mm

### COLOURS

BLACKWOOD



**BELGIUM** 

LAURENTIAN



ROBINSON

NIPISSING (6x9 only)

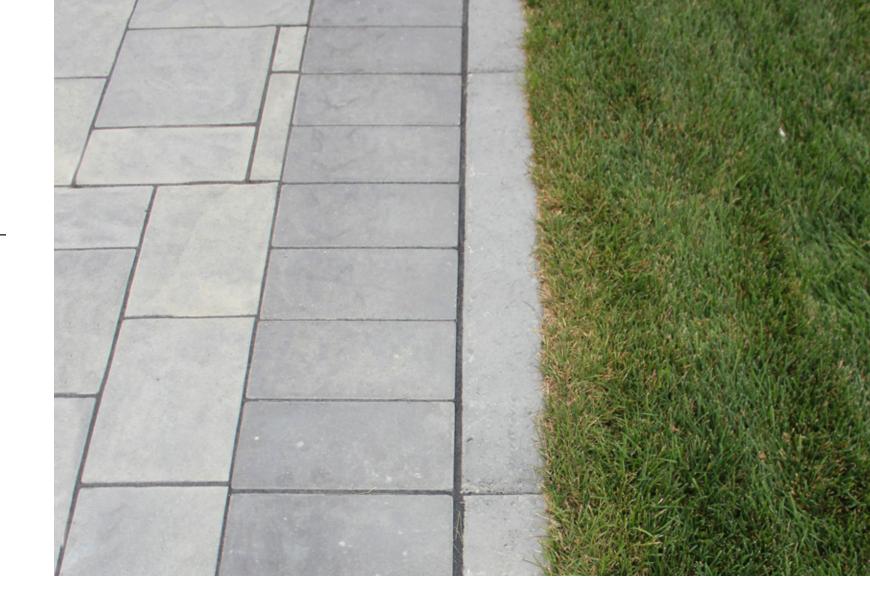
CHARCOAL

(6x9 only)



3" x 6" x 2.36" (not shown) 75mm x 150mm x 60mm 20 pieces per bundle





### **CURBS**

### SHAPES & SIZES



BULLNOSE CURB 4.5" W x 22.5" L x 3.5" H

115mm x 570mm x 90mm

Available in Brown, Charcoal and Granite



3 FOOT CURB

3.25" W x 35.5" L x 6" H

80mm x 900mm x 150mm



DRIVEWAY CURB

6" W x 39" L x 6" H

150mm x 1000mm x 150mm

Available in Charcoal and Granite



COLOURS



**BROWN** 

CHARCOAL

GRANITE



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### PAVER INSTALLATION

#### 1. PLANNING

Outline the proposed area of construction with a garden hose and then park vehicles (for driveways) / place furniture (for patios) in the area to ensure that the final product is adequately sized. Once everything looks fine, transfer the information onto paper.

### 2. EXCAVATION & BASE PREPARATION



The depth of the excavation will depend upon the project and soil conditions; for example, a driveway excavation is normally 400-600mm (16-24") deep, while a walkway or patio excavation is normally 200-250mm (8-10").

To provide a secure base in which to install the edge restraint, the area of

the excavation needs to be larger than the area being paved; the rule of thumb is to extend the excavation outwards in all directions equal to the total depth of the excavation.

Prior to starting the work, place stakes at each end of the job and run string lines between them to represent the desired final grade; ensure a minimum slope of 1mm per 100mm (1/8" per 12") for proper drainage away from your home. While excavating, use a measuring tape to verify depths off of the string lines. When the excavating is completed, remove any debris and then compact the native material with at a minimum a 7,000 lbf tamper. Spread the backfill material in loose layers of no greater than 150mm (6"), wet the soil with water (helps increase compaction) and compact into place. Continue this process until within 85mm (3 1/3") of final proposed grade. Run a 3m long straight edge over the completed area to detect any high/low spots.

#### 3. EDGE RESTRAINTS

Lay a row of pavers from one side of the area to the other and then position your curbs accordingly to avoid unnecessary cuts. For concrete curbs, dig a trench to the required depth (subject to final placement level of curb), place the curbs and then backfill to original base grade. For plastic curbing, the sections are positioned directly on top of the base and then staked into place using 250mm (10") spikes.

#### 4. BEDDING SAND

The key is to ensure a consistent thickness for the loose sand. The easiest way to do this is to use 25mm (1") diam-



eter Schedule 80 PVC pipe for guide rails (the outside diameter is 35mm). Spread the sand loosely between a pair of pipes, then pull a straightedge along the top to level the sand out (see illustration). Avoid disturbing the sand once in place.

#### 5. LAYING THE PAVERS

The laying pattern used is subject to personal preference; however, herringbone patterns are recommended for traffic areas. Place chalk lines on sand at 2m (6') intervals to provide

straight line guides during installation. Always start laying at the lowest point so that stones cannot separate; place hand tight. Use a rubber mallet as required to adjust stones. While laying, mix pavers from at least 4 different cubes at a time so that any colour variations between cubes are blended in.

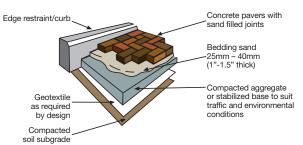


Cut pavers to fill gaps along edges and around obstacles as required using cantilever splitters or masonry saws. For curves, place pavers beyond the final edge, mark off the desired curve, and then using a masonry saw cut the pavers in place. Ensure that area is washed down after cutting as the residue can create stains.

### 6. COMPACTION & FINISHING

After all pavers are in position (or at the end of each day), sweep off the surface completely and then compact the pavers into the bedding sand using a 5000 lbf plate tamper. Spread dry jointing sand and sweep into joints until full. Clean off surface and vibrate jointing sand into spaces using tamper. Repeat until joints are completely full.

### INTERLOCKING PAVER SYSTEM INSTALLATION PROFILE



### DRY CAST COLOURS (PAVERS & WALLS)





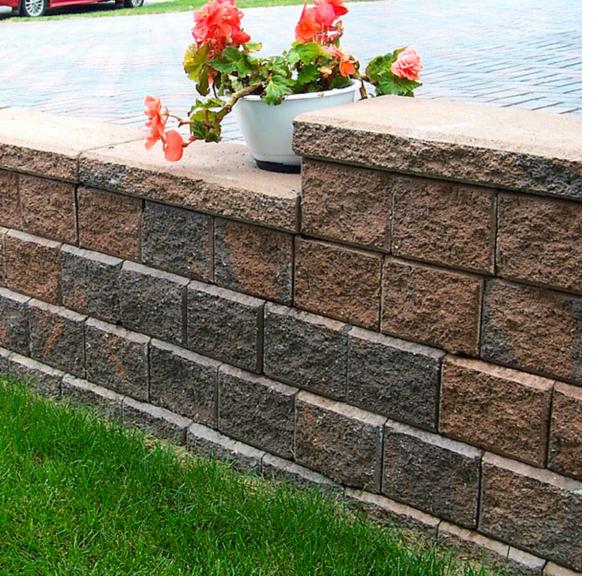
# DRY CAST WALL COLLECTION

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For any dealer, contractor or do-it-yourself installer, Brown's multitude of products, sizes, patterns and colors provide great opportunity to bring any hardscape idea to life. The key to our extraordinary and durable concrete products is our granite aggregates. Our unique and time tested process ensures a longer lasting, more durable product.





### SHAPES & SIZES



STRAIGHT 5.9" H x 7.87" W x 11.61" D 150mm x 200mm x 295mm



CORNER 5.9" H x 7.59" W x 11.61" D 150mm x 193mm x 295mm (left and right corner as a pair)



COPING 2.95" H x 23.6" W x 11.81" D 75mm x 600mm x 300mm



COLUMN CAP 2.95" H x 24" W x 24" D 75mm x 600mm x 600mm Also available in Charcoal, Ultra Black and Sahara Blend colours



## PARKWALL®

#### COLOURS





DRIFTWOOD









TIMBERWOOD

# WEDGESTONE

#### SHAPES & SIZES





200mm deep x 225mm (tapered to 150mm) wide x 100mm high

COLOURS





GRANITE



LAURENTIAN



**NIPISSING** 





SANDSTONE TIMMINS



BLACKWOOD



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## DIMENSIONAL CLASSIC

## PISA LIGHT®

### SHAPES & SIZES



10.63" W x 7.09" D x 3.54" H 270mm x 180mm x 90mm





BLACKWOOD



NIPISSING



SANDSTONE



TIMBERWOOD



BLACKWOOD



GRANITE



LAURENTIAN



ROBINSON



**TIMMINS** 



















KENT FIRE PIT KIT 40" x 40" x 10.5" 1016mm x 1016mm x 267mm Available in Blackwood, Nipissing, Sandstone and Timberwood colour.



OXFORD FIRE PIT KIT 46" outside diameter x 12" H 1168mm x 305mm Available in Blackwood, Granite Laurentian, Nipissing, Sandstone and

### DRY CAST FIRE PIT KITS

#### **COLOURS**



BLACKWOOD

GRANITE





LAURENTIAN



NIPISSING



SANDSTONE





**TIMBERWOOD** 

**TIMMINS** 



### SEGMENTAL RETAINING WALL INSTALLATION

### 1. PLANNING

The height and purpose of the wall, as well as existing soil types, groundwater conditions, and surrounding land uses, all play a part in the design of a retaining wall. That is why we recommend that you consult with your local supplier to verify which wall system will work for your given project. Remember to incorporate a drainage system into your design so that water does not become trapped behind your wall.

### 2. EXCAVATION & BASE PREPARATION

Mark off the front and back of the wall, and then the front and back of the excavation; the offset at the front of the wall is typically 100-150mm (4-6"), while the offset at the back of the wall is 150mm (6") for low walls (<27") and 300mm (12") for higher walls. Where the excavation is cutting into a slope, grade the back of the excavation at the angle at which the native soil can be safely left without collapsing.

To prevent the wall from sliding forward, it is common practice to bury at a minimum 1 full course of wall stones. The depth of the excavation also needs to allow for a 150mm (6") thick layer of base material.

Once the excavation is completed, remove any debris and then thoroughly compact the native soil. Spread the backfill material in loose layers of no greater than 75mm (3"), wet the soil with water (helps increases compaction) and compact into place. Leave a v-notch at the back of the excavation for the drain pipe. Set string level to verify final grade. Ensure base is level front to back and side to side as this will minimize the leveling of individual blocks and will ensure straight lines and smooth arcs.

Lay the geotextile starting just under the back of the wall and up the back slope of the trench. Remember to leave adequate material at the top of the slope for the fold back, and to overlap the separate pieces a minimum of 150 mm (6"). Use sand bags or similar to keep the geotextile in place as required.

Place the drain pipe in the v-notch at the back of the foundation, and surround with drain rock.

#### 3. LAYING THE BASE COURSE

Select the starting point for the wall. If the base of the wall is stepped up, start at the lowest point and work up; remember to adjust for the natural batter in the wall between steps. If there is an outside corner, start with the corner unit (to potentially avoid having to cut stones later on to fit).

Set a string level to mark the back of the first course. Use a level to ensure blocks are level front to back and side to side.

#### 4. REMAINING COURSES

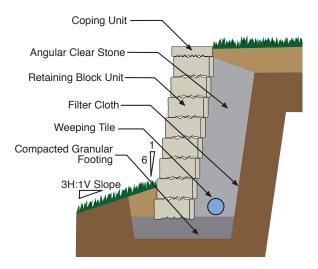
Sweep the top of each course prior to proceeding. Place next course of units in a running bond pattern so that the middle of the unit is approximately above the joint between the underlying blocks. NEVER ALIGN BLOCKS VERTICALLY. After laying a course, backfill and compact behind wall to the same elevation as the top of the just placed units.

### 5. COPING & GRADING

Where coping is required, sweep the top of the underlying course prior to proceeding. Place a line of butyl tape or Bond Loc adhesive on both sides of the groove. Place the coping unit on top and apply some pressure to secure.

Prior to backfilling behind the coping and last wall unit, pull filter cloth towards back of wall and tuck in place. Fill to final grade to suit desired conditions; ensure final slopes allow for proper drainage away from the wall.

#### RETAINING WALL CROSS SECTION





## WET CAST COLLECTION

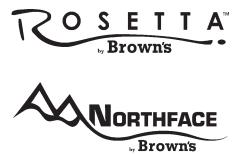
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NorthFace	Grand Flagstone
Belvedere	Dimensional Flagstone
Dimensional Wall	Amaro
Outcropping	Wet Cast Fire Pit Kits
Random Steps	Fireplaces
Dimensional Steps and Step Fillers 35	Curbs/Coping/Caps

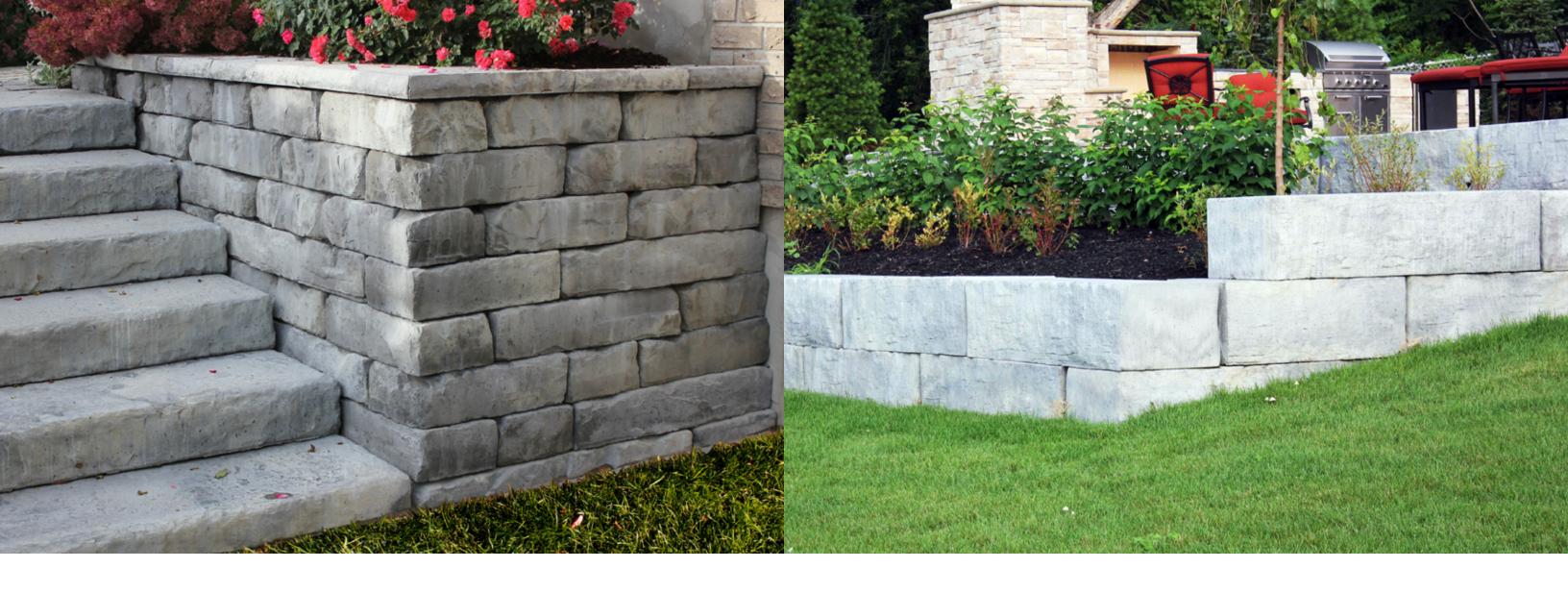
Our wet cast collection, which includes Rosetta® and Northface, combines the rugged attractiveness of natural stone with the dimensional consistency and engineered benefits of precast concrete. Our products are cast in molds taken from actual weathered stone, and inspired by innovative concrete designs giving it a rich, textured surface that captures the look and feel of nature in every block. Our wetcast concrete hardscape products will give you endless options to create landscape designs that will appear as though they were born, rather than built.

We are dedicated to embracing and creating ways to think different, see different, and be different by creating uniquely beautiful engineered products that eliminate the difficult decision between form and function.





27



### **ROCKTON** NORTHFACE

### SHAPES & SIZES















COLOURS







SHAPES & SIZES



17.75" H x 36" W x 24" D 450mm x 914mm







COLOURS

MANITOU

42" W x 6" H x 10.5" D 30" W x 6" H x 10.5 1067mm x 152mm x 267mm 762mm x 152mm

30" W x 6" H x 10.5" D 21" W x 6" H 762mm x 152mm x 10.5" D x 267mm x 152mm x 267mm

12" W x 6" H x 10.5" D 305mm x 152mm x 267mm CORNER 21" W x 6" H x 10.5" D 533mm x 152mm x 267mm

FOND DU LAC

MANITOU

Tolerances for this product are plus or minus 1/4" (6.4mm).

x 610mm

6' COPING 7" H x 72" W x 30" D 178mm x 1829mm x 762mm

3' COPING 7" H x 36" W x 30" D 178mm x 914mm x 762mm





### **BELVEDERE®**

### DIMENSIONAL WALL

#### SHAPES & SIZES







64 textures and sizes.
6" to 18" L x 3" to 6" H
152mm to 457mm x 76mm x 152mm
Coping and Column Caps available (see pages 42 and 43).

### COLOURS

MANITOU







WINDSOR



### SHAPES & SIZES







TAPER 8" D x 12" W (tapered to 7.5") x 4" H 203mm x 304mm (tapered to 190mm) x 101mm





WINDSOR









## OUTCROPPING

### SHAPES & SIZES



12 different shapes and 24 textures. 24" to 72" L x 6" to 24" H 610mm to 1829mm x 152mm to 610mm



Double-sided Freestanding Blocks available.

### COLOURS



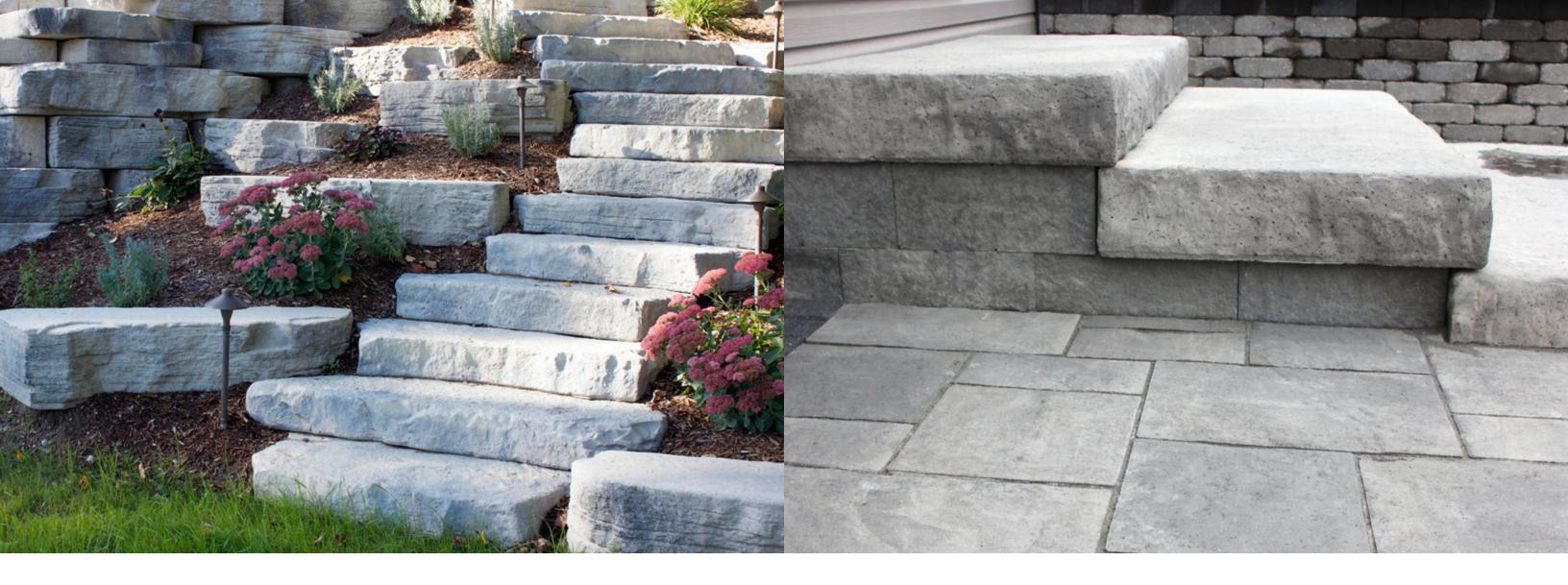
MANITOU



RIDEAU

WINDSOR





### RANDOM STEPS

### DIMENSIONAL STEPS AND STEP FILLERS

#### SHAPES & SIZES

34



6-FOOT STEP 4-FOOT STEP 72" W x 7" H 48" W x 7" H 1829mm x 178mm

1219mm x 178mm More sizes and shapes available for both widths of Random Step.

### COLOURS



MANITOU



WINDSOR



RIDEAU (special order)



#### SHAPES & SIZES



MADE STRONG WITH THE FINEST GRANITE AGGREGATE

6-F00T STEP 72" W x 7" H x 30" D 1829mm x 178mm x 762mm



3-FOOT STEP 36" W x 7" H x 30" D 914mm x 178mm x 762mm

COLOURS



MANITOU



WINDSOR



RIDEAU (special order)



SHAPES & SIZES

x 4" D 406mm x 178mm

x 178mm x 102mm



## SUPERIOR STEPPERS

## GRAND FLAGSTONE

### SHAPES & SIZES



27" W x 21" D x 2" H 686mm x 533mm x 51mm Eight different shapes are available



### COLOURS



FOND DU LAC



MANITOU

### SHAPES & SIZES















MANITOU

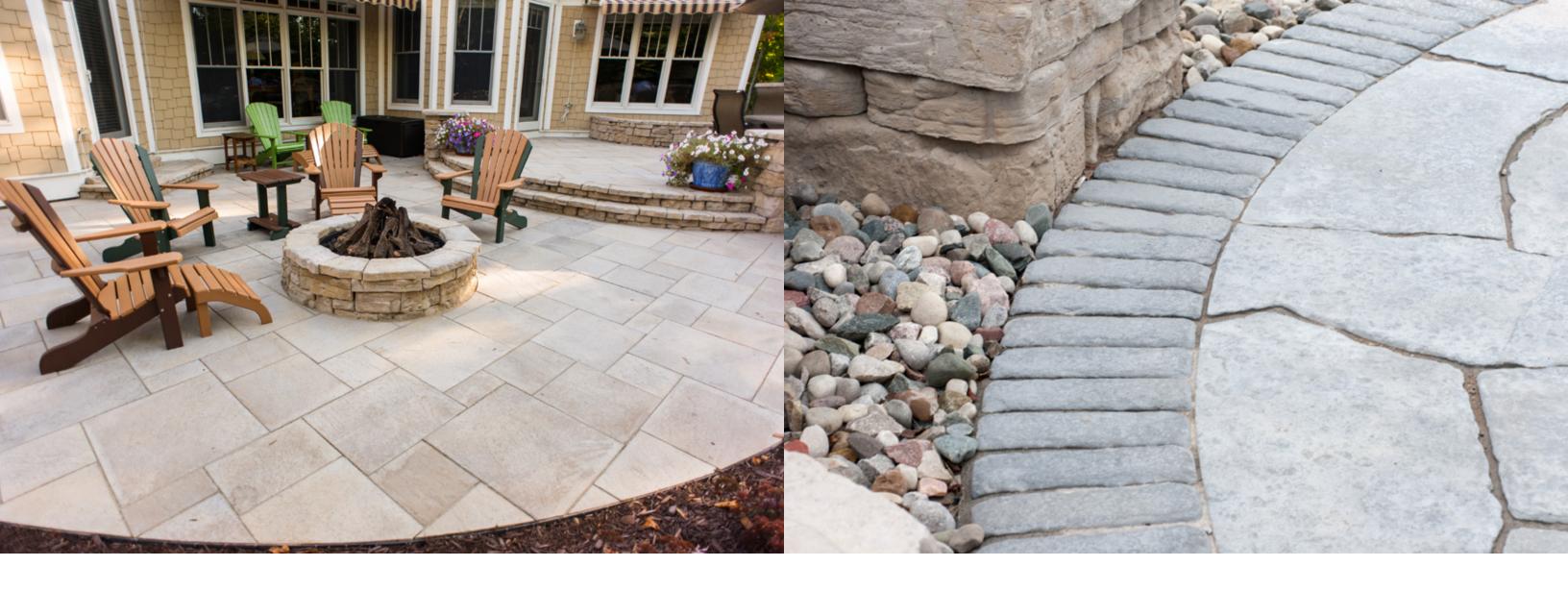
WINDSOR

RIDEAU (special order)

Each layer consists of 3 or 4 individual pieces.







## DIMENSIONAL FLAGSTONE

## **AMARO**

### COLOURS



WINDSOR



(special order)

All Dimensional Flagstone is 2" (51mm) thick.

SHAPES & SIZES

18" x 18" 457mm x 457mm 24" x 24" 610mm x 610mm 12" x 18" 305mm x 457mm 6" X 12" 152mm X 305mm 18" x 24" 457mm x 610mm 12" x 12" 305mm x 305mm

### SHAPES & SIZES





COLOURS



MERLOT

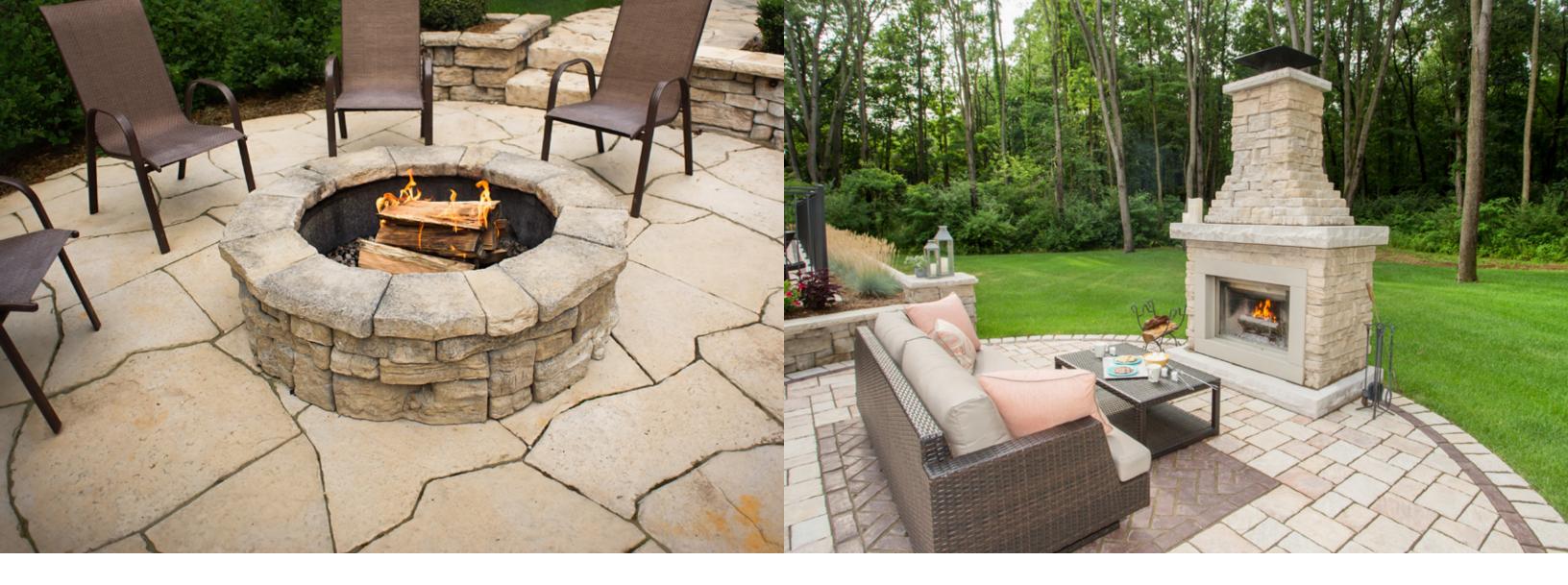
CHARCOAL



MANITOU



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### WET CAST FIRE PIT KITS

### **FIREPLACES**

#### SHAPES & SIZES



ROCKTON KIT 51" square x 12" H 1295mm x 305mm Available in Fond du Lac and Manitou



BELVEDERE® KIT 58 " outside diameter x 14.5" H 1473mm x 368mm Available in Manitou, Rideau and Windsor.



DIMENSIONAL KIT 44" square x 12" H 1118mm x 305mm Available in Manitou, Rideau and Windsor.

### COLOURS



FOND DU

LAC



MANITOU



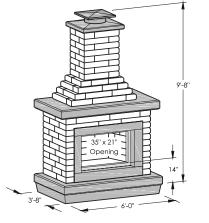
RIDEAU



WINDSOR

# M

### SHAPES & SIZES





BELVEDERE® CLAREMONT FIREPLACE KIT FIREPLACE KIT FIREPLACE KIT Fireplaces are special order only.

COLOURS







AUBURN RIDGE FOND DU LAC

SLATE GREY





## CURBS/COPING/CAPS

#### SHAPES & SIZES



STONE EDGE CURB 6" H x 36" W x 7" D 152mm x 914mm x 178mm





GRANITE



SANDSTONE



**EBONY** 

### SHAPES & SIZES



DIMENSIONAL COPING 13" D x 24" W x 2.5" H 330mm x 609mm x 63mm



DIMENSIONAL COPING 13" D x 18" W x 2.5" H 330mm x 457mm x 63mm



DIMENSIONAL FINISHED END COPING 13" D x 19" W x 2.5" H 330mm x 482mm x 63mm



BELVEDERE® COPING All pieces approximately 10.25" (260mm) D by 2.25" (57mm) H.



BELVEDERE® CAP 27" W x 27" D x 2.5" H 686mm x 686mm x 64mm





MANITOU



WINDSOR





MADE IN ONTARIO SINCE 1907

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@Browns1907

J

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**(** 

PINTEREST: @brownsconcreteproducts



YOUTUBE:

Rosetta Hardscapes



Canadian
Home Builde



ICPI

Canadian Concrete Masonry



NATIONAL CONCRETE MASONF ASSOCIATION



### **BROWN'S LIFETIME WARRANTY**

Brown's Concrete Products Limited provides a Lifetime Warranty to the original purchaser on the structural integrity of its products used in residential applications. If the material installed on the owner's property, using our recommended guidelines, proves to be defective the product will be replaced without cost. Colour matching and the occurrence of efflorescence cannot be guaranteed. The Warranty does not cover damage resulting from subgrade settlement or movement, contact with chemicals or paint, discolouration due to airborne contamination, staining, oxidation or improper sealing. Please refer to I.C.P.I. recommendations for deicing products that will minimize potential degradation of concrete. This warranty is not transferable and proof of purchase is required.

Note: Colour swatches are for reference only and may not represent the actual product colour. We recommend that you see your local dealer to view actual sample pieces prior to final <u>colour selection</u>.

