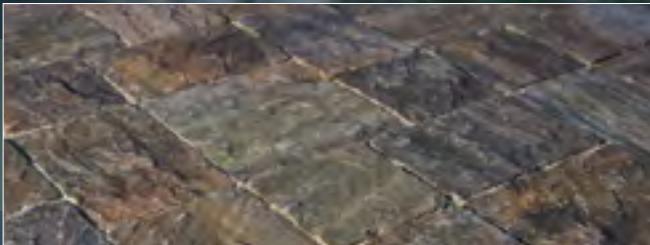


CALSTONE

Paving Stone Collection



Quarry Stone



Classic Cobble



River Rock



Permeable Pavers



Roman Stone



Specialty Styles

Short History of Paving Stones

Paving stones were used 1000's of years ago and set the tone for the old world charm they invoke today.



4 x 8 standard
grey cement paver

Interlocking paving stones were developed to out-perform asphalt and concrete. Because little attention was paid to the look of the product, most of the original paving stones were a traditional brick shape and their color came only from the gray cement. As the popularity of paving stones grew, so did the demand for more color and style options. Manufacturers soon realized that the traditional method of producing paving stones limited their ability to provide more aesthetic options.

A new and superior manufacturing process was developed to create stronger surfaces with flexibility in colors and textures. Using two separate mix designs, manufacturers could craft a highly structural paver with an added advanced top surface that is much more durable and natural looking.

The Calstone Recipe for Quality

Calstone's Dual-Mix Design

Calstone paving stones are made with a patented color-blending process and superior Duraface technology. The patented color blending process allow us to blend and distribute up to 6 different colors in the paving stone for a more natural look. This surfacing method out-performs other types of paving stones in color vibrancy, surface texture, strength and wearability.



Calstone's patented 6-color blending process.
Patent # US 7,572,048 B2

Calstone paving stones are made using a two-step process:

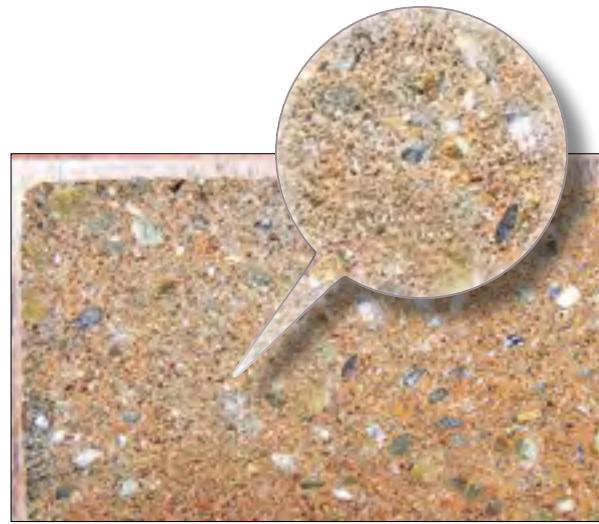
1. BASE MIX: The base mix is designed specifically to provide superior flexural and compressive strength with very low absorption.

2. DURAFACE MIX: The Duraface mix is designed to be; extremely abrasion and chip resistant, smooth & dense like natural stone, rich & vibrant in color, fade and slip resistant.

Calstone Quarry Stone a multiple sized,
textured, Duraface paver.

Duraface vs. Through-Mix

- The Duraface paving stone surface has over three times the value of other types of paving stones
- Duraface has twice as much cement content
- Duraface has three times the amount of color
- Duraface premium specialty sands insure dense, tight surfaces
- Duraface's use of premium white cement creates enhanced color

**Duraface****Through-Mix****Table of Contents****Note to our customers:****About this catalog**

The colors depicted throughout our literature and samples are represented as accurately as possible. However, due to the variables in printing reproduction and the natural range of raw materials used in the production of paving stones, actual colors and textures may differ in each production run.

What's New

visit us at www.calstone.com
and try our new project design tools;
Paver Visualizer and Paver Calculator

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Quarry Stone

Quarry Stone

Natural Slate Texture

Our Quarry Stone selections draw their inspiration from natural materials. Using up to six blended colors, we created nine distinctive choices for a custom palette that helps you create the perfect compliment to your landscape and structural projects.



Chaco Canyon



Sierra Granite



Sequoia Sandstone



Connecticut Green



Rustic Yellowstone



Calico Ridge



Sunset Terra Cotta



Tuscan Gold



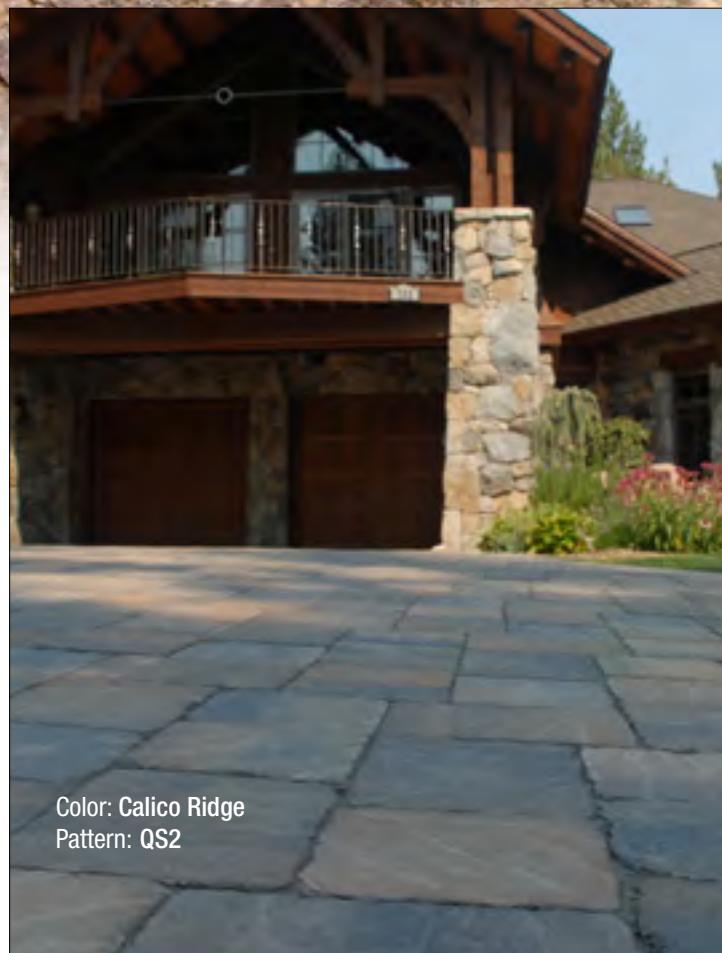
Quarry Stone



Color: Chaco Canyon
Pattern: QS1



Color: Tuscan Gold
Pattern: QS4



Quarry Stone Circle

Quarry Stone Circle

Beautiful Designs

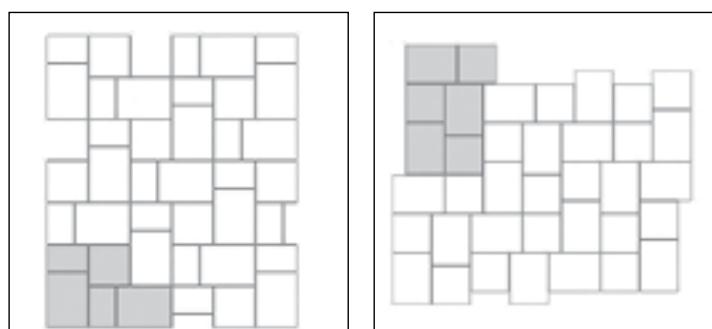
Complimenting our very popular Quarry Stone product line, we now offer a beautiful circle accent with the matching texture, color and feel of natural stone. With its 11' diameter size, this circle kit can be a stand alone patio area or a highlight of your Quarry Stone field of pavers.



Product Details - Quarry Stone

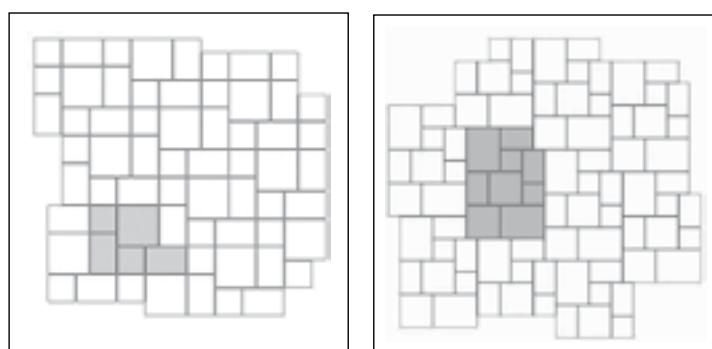
Units	Nominal Dimensions	Stone FT ²	Stones Pallet	FT ² Pallet
	6 x 6 (60mm)	4.1	432	105
	6 x 9 (60mm)	2.8	270	98
	9 x 9 (60mm)	1.8	180	98
	9 x 12 (60mm)	1.4	144	105

Patterns - Quarry Stone



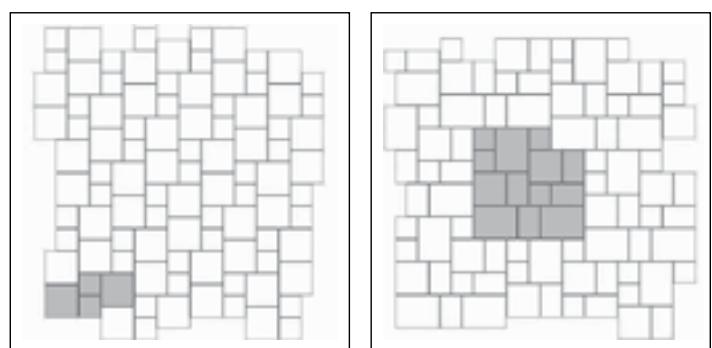
QS 1
53% 9x12, 20% 9x9, 27% 6x9

QS 2
57% 9x12, 43% 9x9



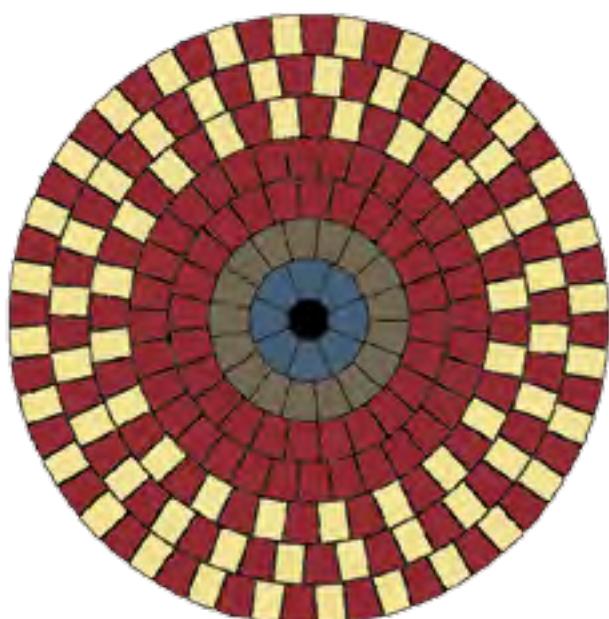
QS 3
31% 9x9, 41% 6x9, 28% 6x6

QS 4
35% 9x12, 27% 9x9,
26% 6x9, 12% 6x6



QS 6
31% 6x6, 69% 9x9

QS 8
17% 6x6, 26% 6x9,
19% 9x9, 38% 9x12



- 1st row - all large wedges
- 2nd row - all radius wedges
- 3rd & 4th row - all small wedges
- 5th 6th & 7th row - alternate small wedges & rectangles

Note About Quarry Stone

Reproducing the natural look and feel of Quarry Stone, Calstone strives to create random fractures, chips, scratches, broken edges and corners in the manufacturing of our product line.

Classic Cobble

Classic Cobble

Mediterranean Feel

A Mediterranean look and feel are achieved with our Classic Cobble design. Smooth rounded edges, rich colors, and variety of installation patterns create this old world charm.

Design possibilities are limitless combining our multi-sized cobbles and stock color blends.



Gray Charcoal



Green Charcoal



Cream Tan Brown



Tan Brown



Cream Tan



Tan Charcoal



Brown Beige Charcoal



Tan Red Charcoal



Charcoal (only available in 6 x 9)

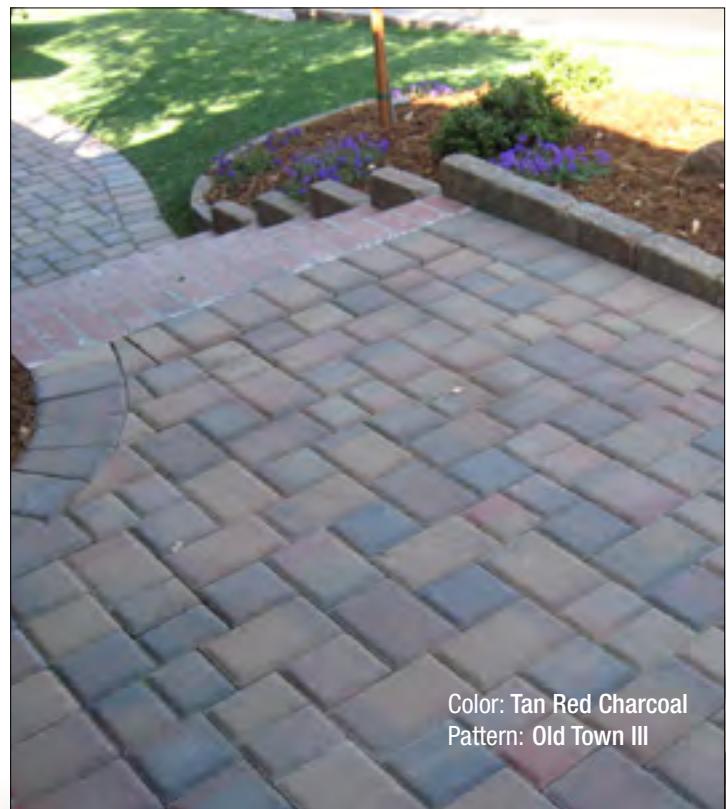
Color: Cream Tan Brown
with Tan Red Charcoal
Pattern: Old Town III



Color: Cream Tan Brown
Pattern: Old Town III



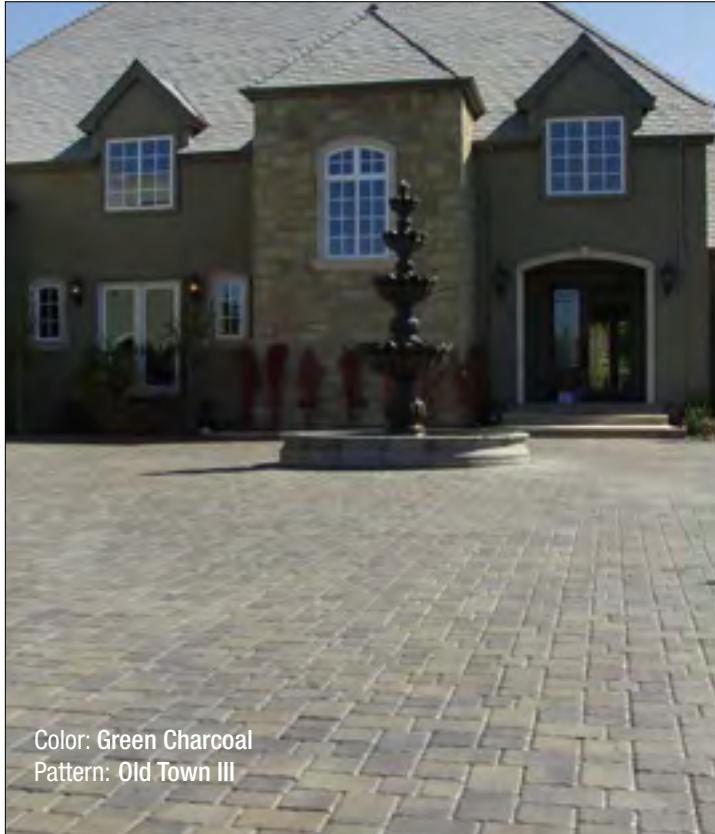
Color: Tan Red Charcoal
Pattern: Old Town III



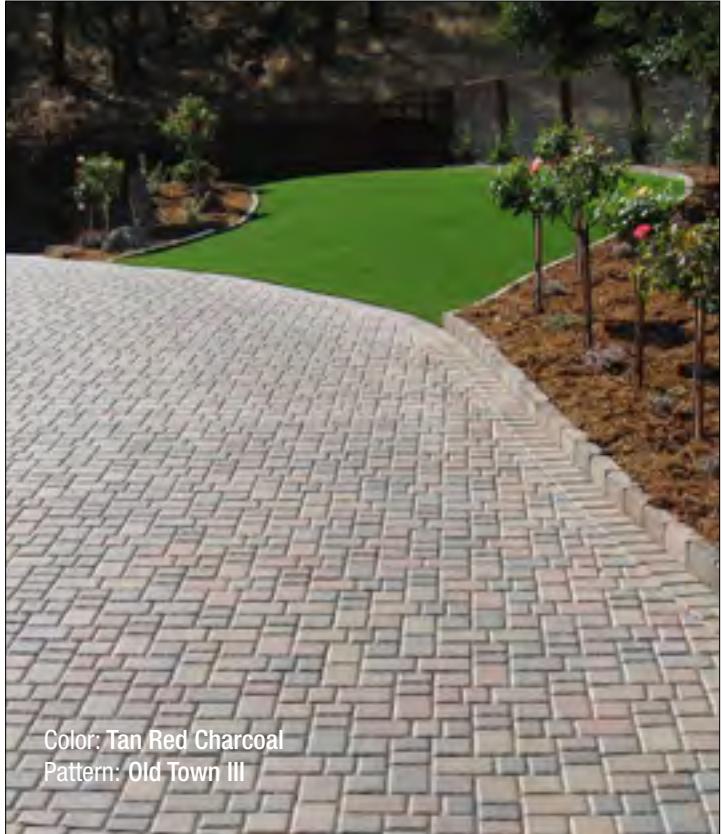
Classic Cobble



Color: Tan Charcoal
Pattern: 3-Way Running Bond



Color: Green Charcoal
Pattern: Old Town III



Color: Tan Red Charcoal
Pattern: Old Town III

To view the latest photo gallery visit www.calstone.com

Color: Brown Beige Charcoal
Pattern: Old Town II



Color: Tan Brown with
Gray Charcoal insets
Pattern: Old Town II



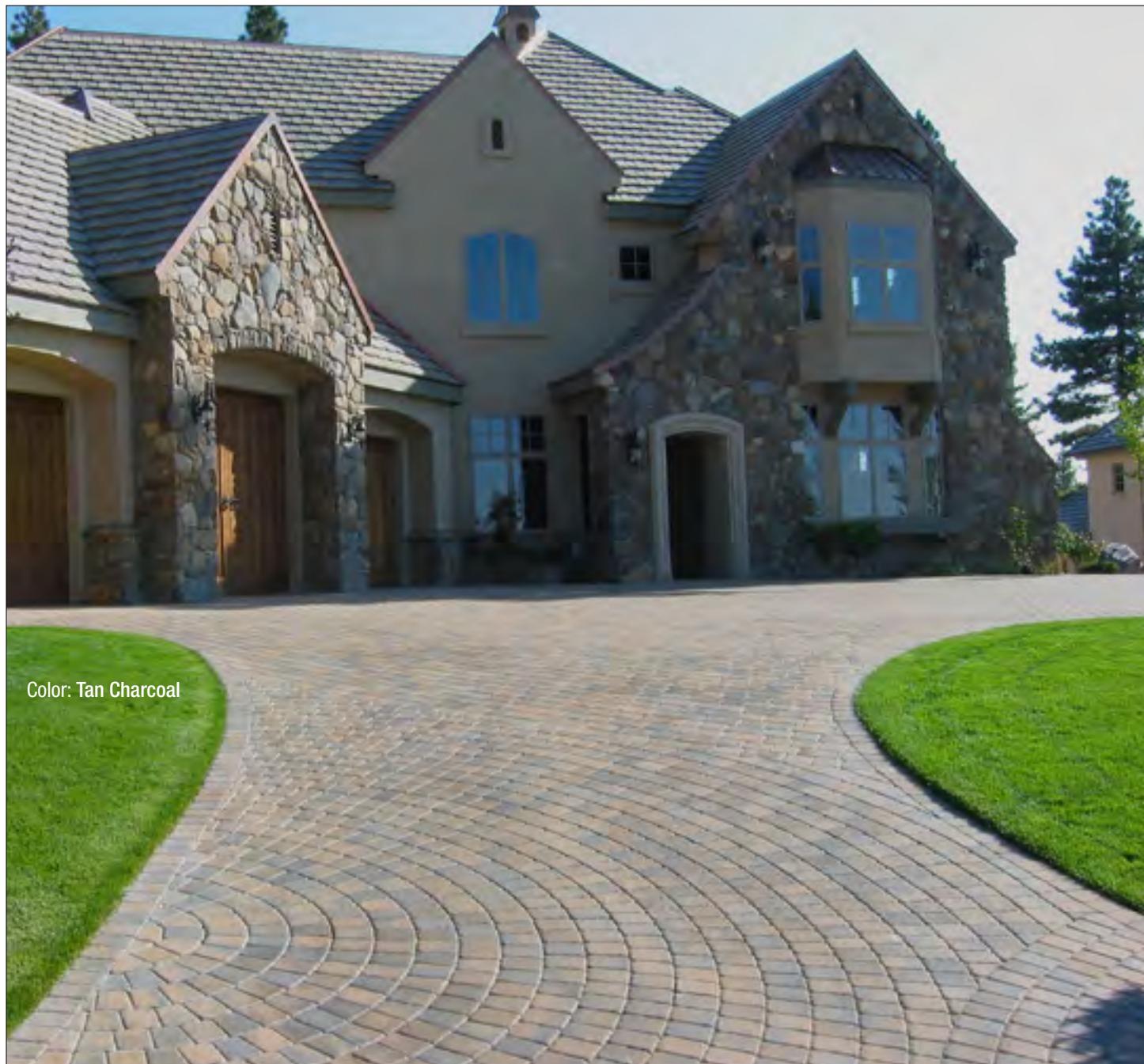
Classic Cobble Circle

Classic Cobble Circle *Beautiful Flowing Designs*

The Circle Cobble system is comprised of five different shapes, allowing for creation of circles, fans, sweeping curves, and geometric patterns. Used as accents or encompassing your entire hardscapes project, the Circle Cobble can unify and enhance architectural elements with beautiful flowing designs.



Color: Cream Tan Brown with
Tan Red Charcoal insets



Color: Tan Charcoal

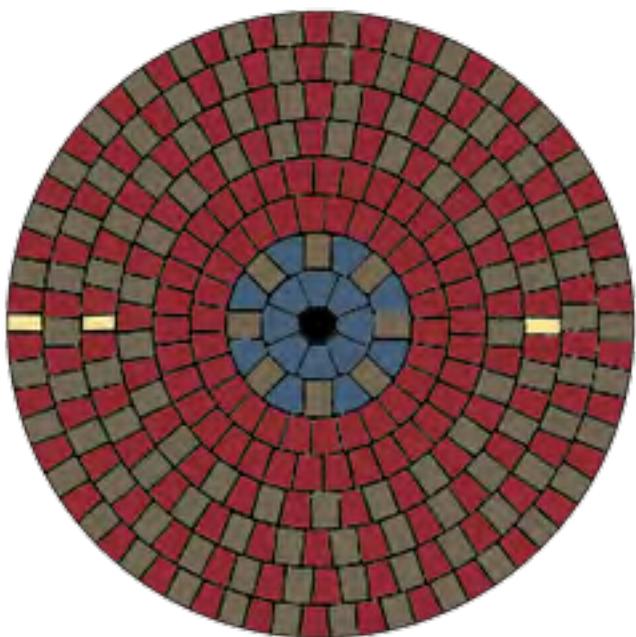
Product Details - Classic Cobble

Sizes	Nominal Size	Stone FT ²	Stones Pallet	FT ² Pallet
	6 x 4 1/2 (60mm)	5.5	576	105
	6 x 6 (60mm)	4.1	432	105
	6 x 9 (60mm)	2.8	270	98
	9 x 12 (60mm)	1.4	144	105

Installation Guide - Classic Cobble Circle Kit

8 1/2' diameter - 57 square feet

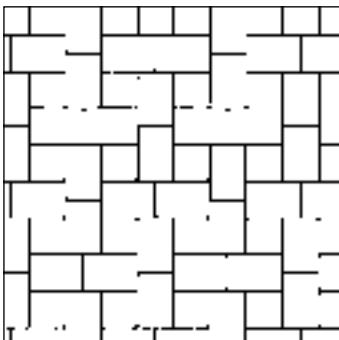
Names	Chart Color Key	Stones Pallet	Needed For Circle
Center Stone		5	2
Large Wedge		20	16
Small Stone		120	116
Small Wedge		180	171
Mini Stone		5	3



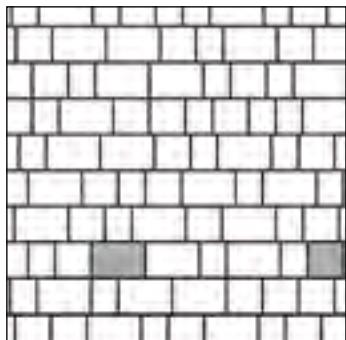
When the diameter of the circle exceeds 8.5 feet—small cobble stones are used for the additional rings. For each additional ring add one foot to the diameter. The number of additional square feet of small cobble stones is calculated as follows:

$$\left[\left(\frac{D}{2} \right)^2 - 18.06 \right] \times 3.14 = \text{additional square feet of small cobble stones where } D = \text{Diameter of circle}$$

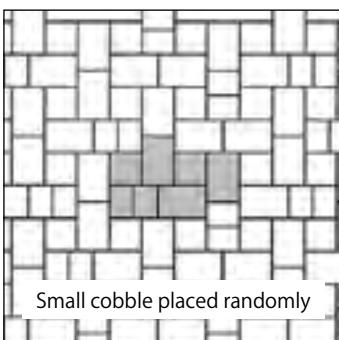
Patterns - Classic Cobble



Old-Town Pattern II

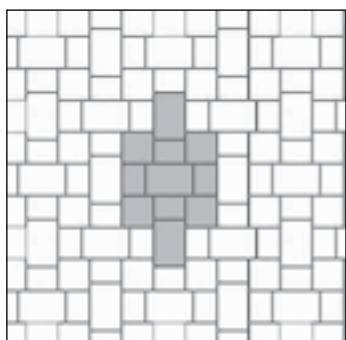


3-Way Running Bond



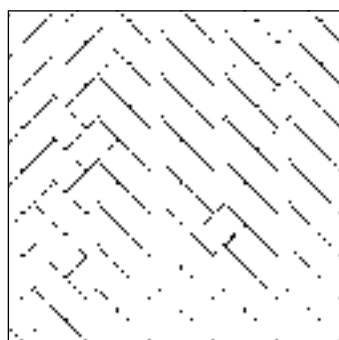
Old-Town Pattern III

55% Large, 25% Medium,
20% Small

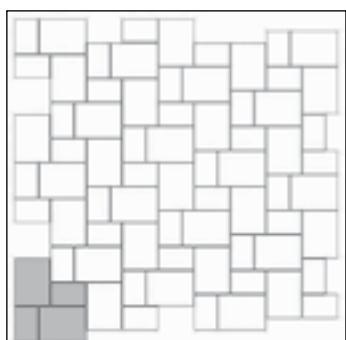


Old-Town Pattern III (modified)

38% Large, 38% Small,
24% Medium,

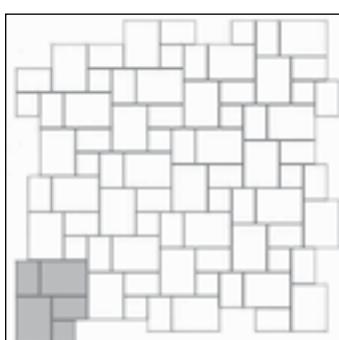


Herringbone
100% Small Large or Mega



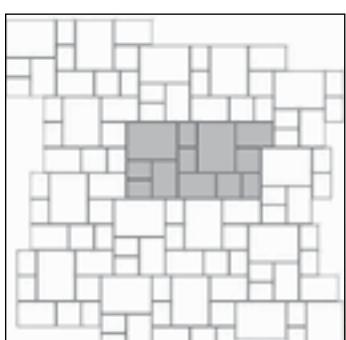
Mega Pattern 2

67% Mega, 33% Large



Mega Pattern 3

60% Mega, 30% Large,
10% Medium



Mega Pattern 4

37% Mega, 28% Large,
23% Small, 12% Medium,

To view the latest patterns or to print larger versions of what you see here visit www.calstone.com

River Rock

River Rock

Rustic Character

River Rock has a rustic cobblestone impression. These unique paving stones are for those that want to create the natural look and feel of a surface that has been aged by time and the elements.



Cream Tan



Gray Charcoal



Tan Charcoal



Green Charcoal



Brown Beige Charcoal



Cream Tan Brown



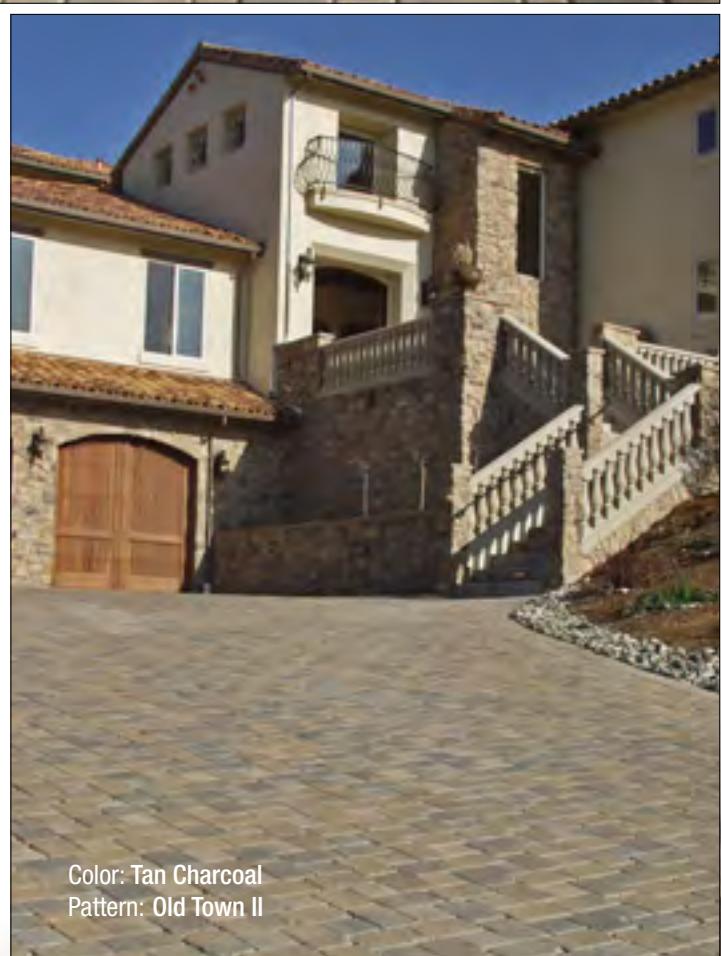
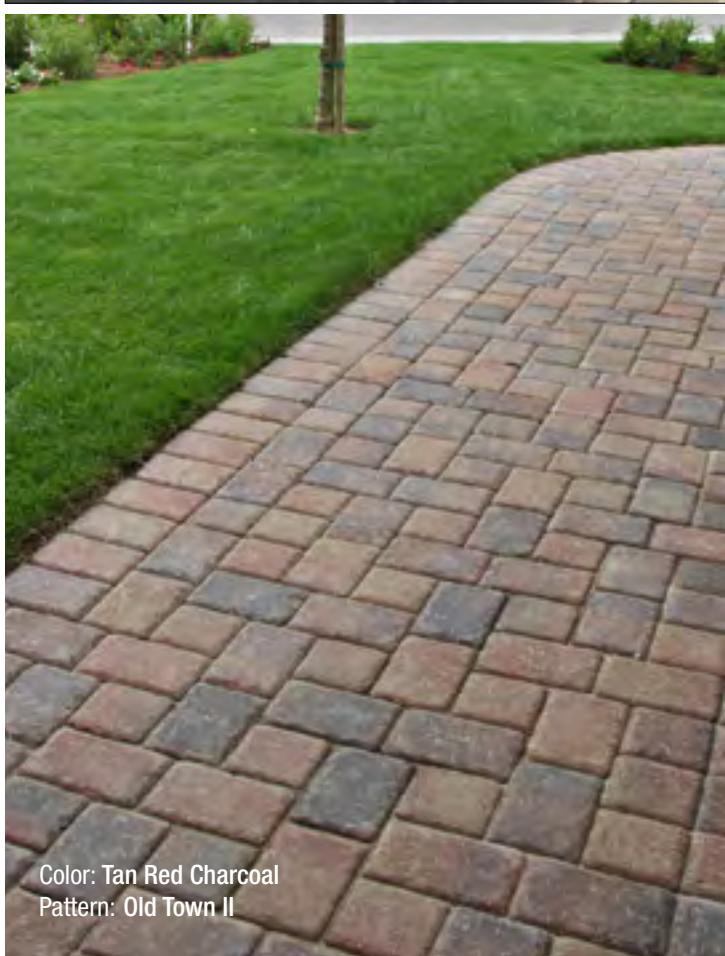
Tan Red Charcoal



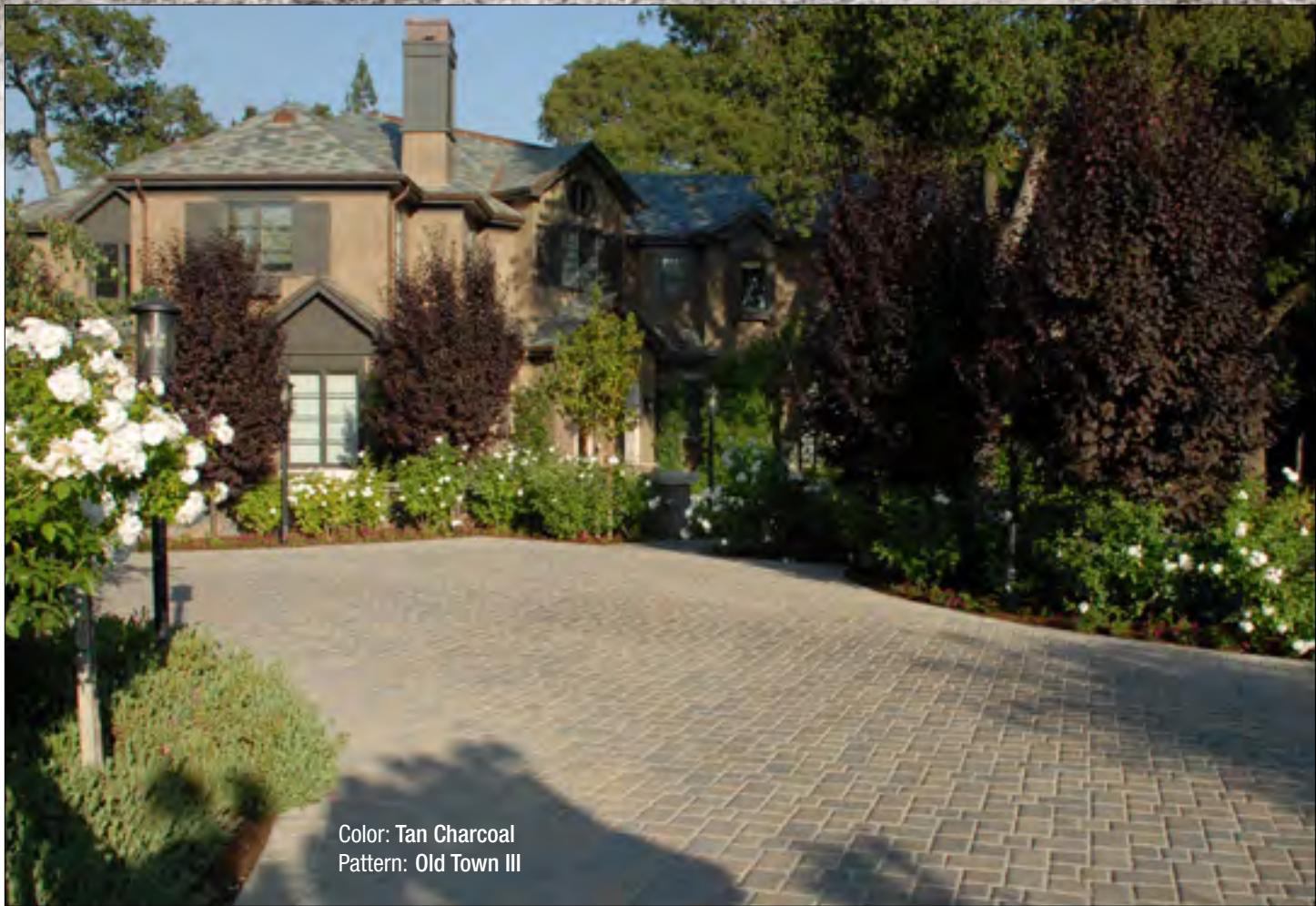
Tan Brown



Charcoal (only available in 6 x 9)



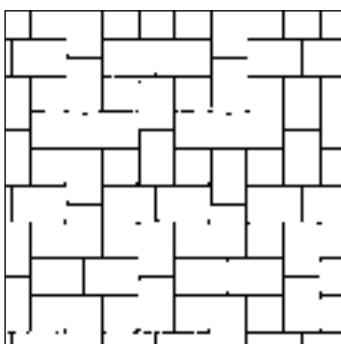
River Rock



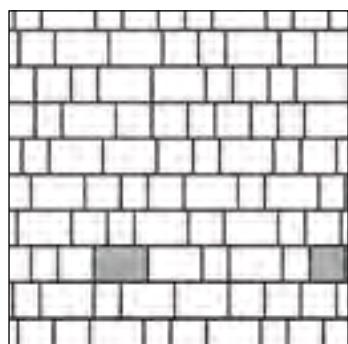
Product Details - River Rock

Sizes	Nominal Size	Stone FT ²	Stones Pallet	FT ² Pallet
	6 x 4 1/2 (60mm)	5.5	576	105
	6 x 6 (60mm)	4.1	432	105
	6 x 9 (60mm)	2.8	270	98
	9 x 12 (60mm)	1.4	144	105

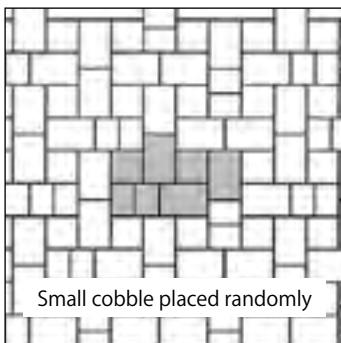
Patterns - River Rock



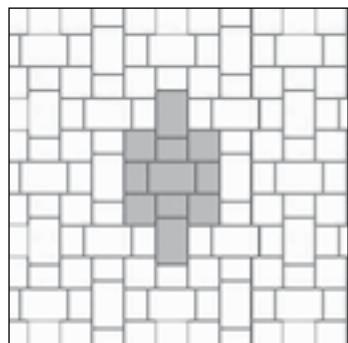
Old-Town Pattern II
75% Large, 25% Medium



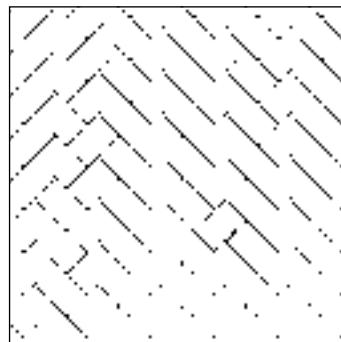
3-Way Running Bond
46% 6x9, 31% 6x6, 23% 4.5x6



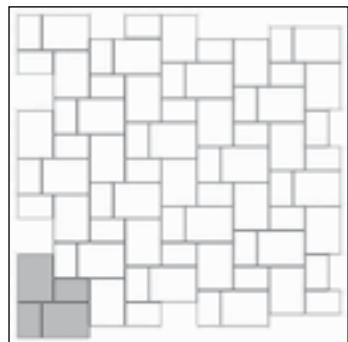
Old-Town Pattern III
55% Large, 25% Medium,
20% Small



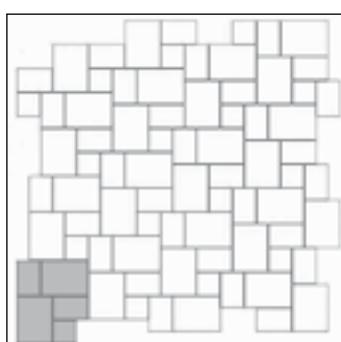
Old-Town Pattern III (modified)
38% Large, 38% Small,
24% Medium,



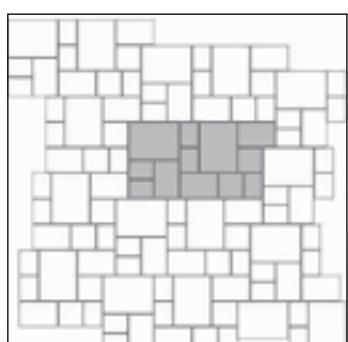
Herringbone
100% Small or Large



Mega Pattern 2
67% Mega, 33% Large



Mega Pattern 3
60% Mega, 30% Large,
10% Medium



Mega Pattern 4
37% Mega, 28% Large,
23% Small, 12% Medium,

Note About River Rock

Reproducing the natural look and feel of River Rock, Calstone strives to create random fractures, chips, scratches, broken edges and corners in the manufacturing of our product line.



Color: Gray Charcoal
Pattern: Old Town II

Mission

Mission

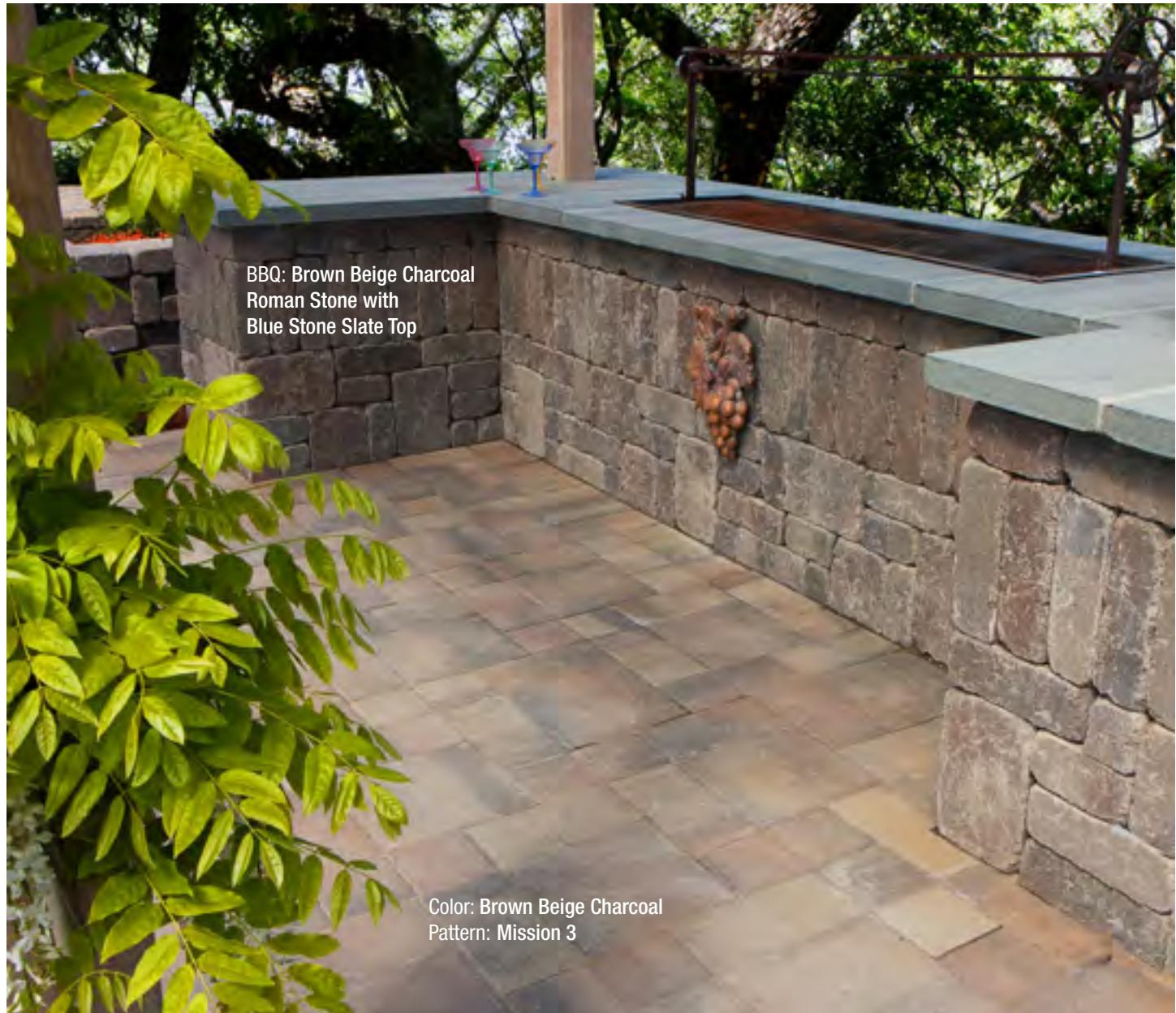
Timeless Classic

Design flexibility and traditional pattern layouts make the Mission Series of paving stones a timeless classic. Complex accent banding or simple patterns, Mission pavers allow endless options of color and form. Calculated to install together or separately, the Mission Series will conform to your imagination.

For color choices refer to the Classic Cobble section on page 7. Please note that Charcoal is only available in 4 x 8 and 6 x 6.



Color: Tan Red Charcoal
Pattern: Haviland

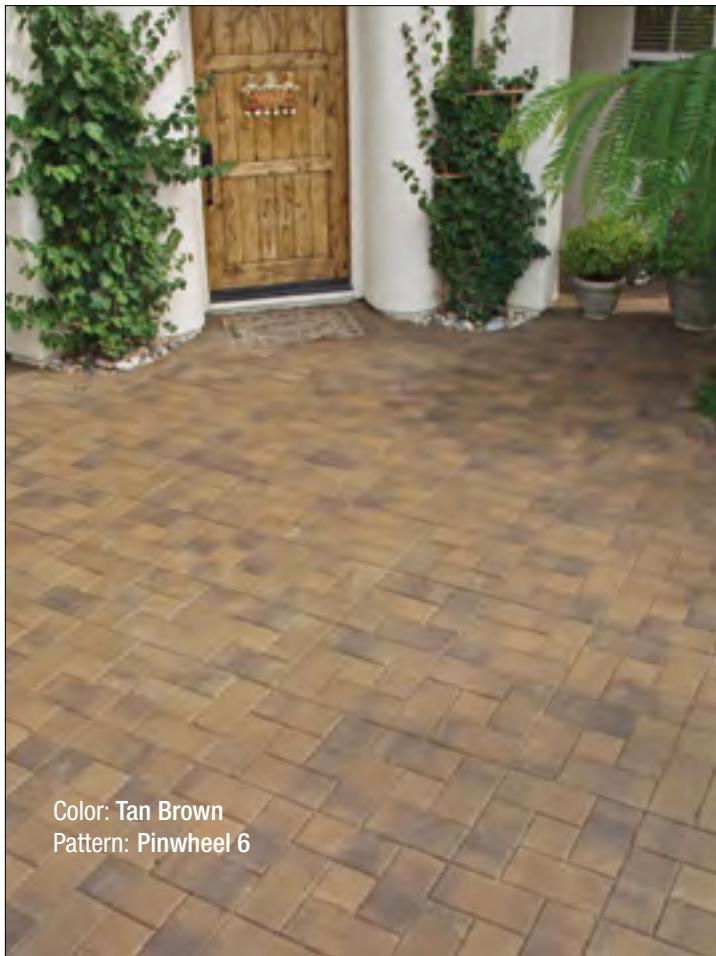


BBQ: Brown Beige Charcoal
Roman Stone with
Blue Stone Slate Top

Color: Brown Beige Charcoal
Pattern: Mission 3



Color: Tan Brown
Pattern: Custom Pattern



Color: Tan Brown
Pattern: Pinwheel 6



Color: Tan Red Charcoal
Pattern: Mission 3

Mission Antiqued

Mission Antiqued

European Charm

Our antiquing process creates an aged appearance that can transform your driveway, walkway or patio project into something with an old world European charm.

For color choices go to the Classic Cobble section on page 7.



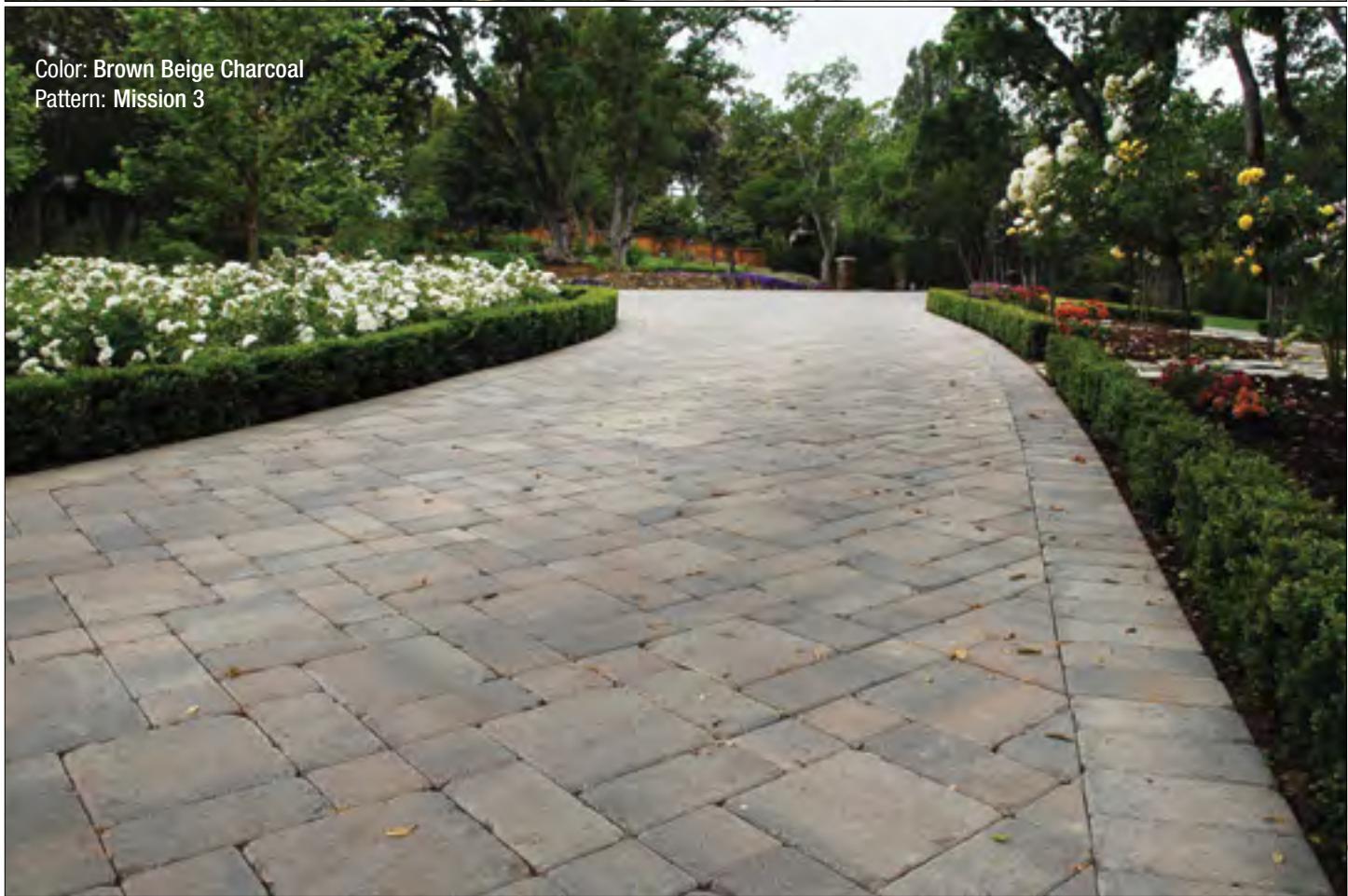
Color: Custom Blend
Pattern: Mission 3



Color: Cream Tan Brown
and Brown Beige Charcoal
Pattern: Mission 3

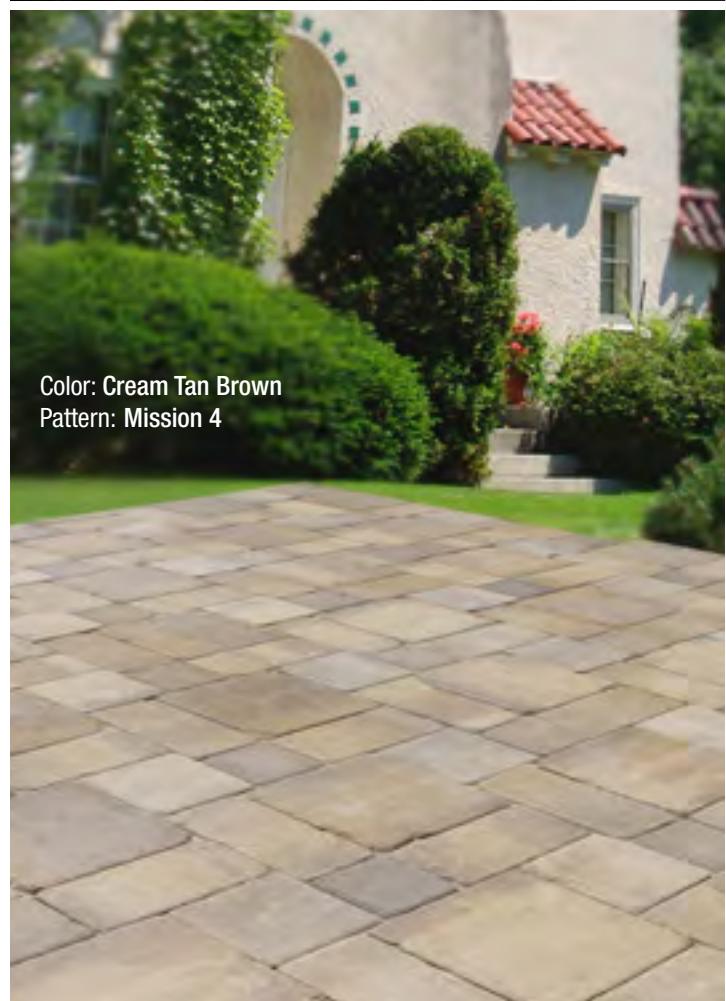
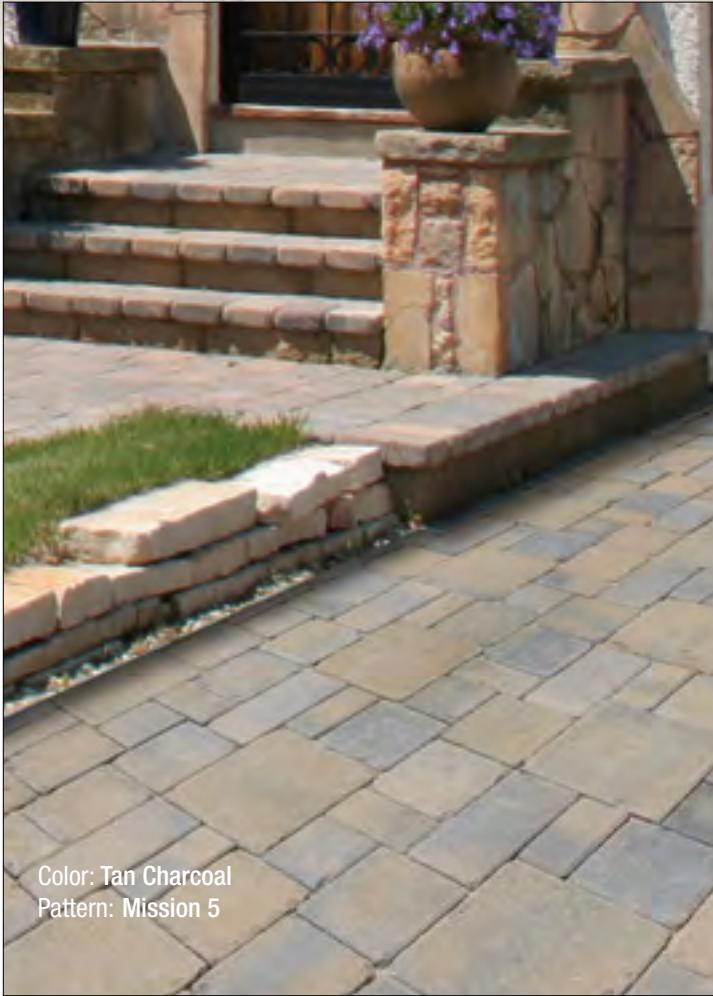


Color: Brown Beige Charcoal
Pattern: Mission 3



Color: Brown Beige Charcoal
Pattern: Mission 3

Mission Antiqued



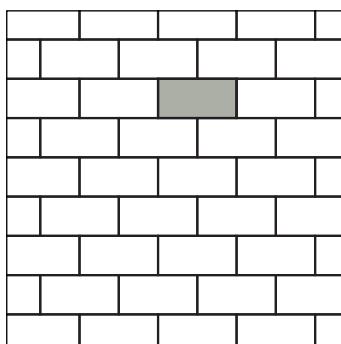
To view the latest photo gallery visit www.calstone.com

Product Details - Mission & Mission Antiqued

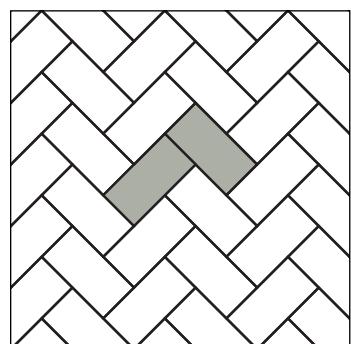
Units	Nominal Dimensions	Stone FT ²	Stones Pallet	FT ² Pallet
	4 x 8 (60mm)*	4.7	486	105
	6 x 6 (60mm)	4.1	432	105
	6 x 12 (60mm)*	2	216	105
	12 x 12 (60mm)	1	108	105
	8 x 8 (60mm)	2.3	270	117

*Also available 80 mm high

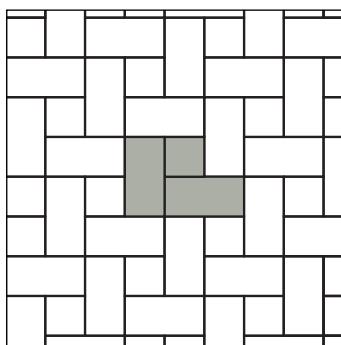
Patterns - Mission & Mission Antiqued



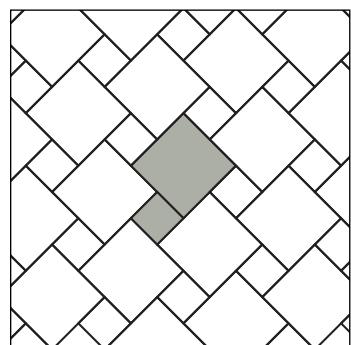
Running Bond
100% 6x12



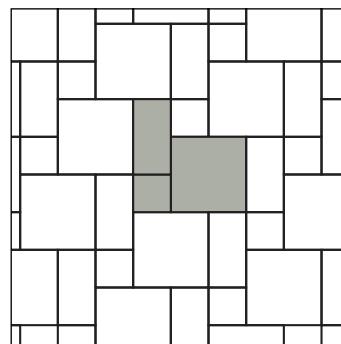
45 Degree Herringbone
100% 6x12



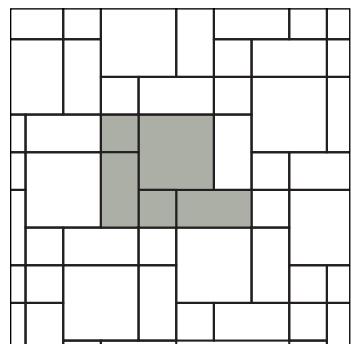
Pinwheel 6
80% 6x12, 20% 6x6



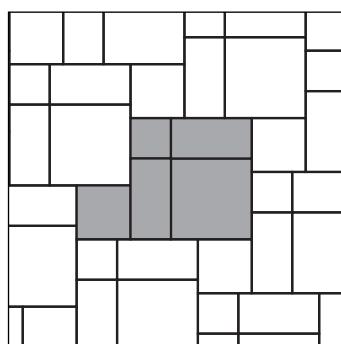
Linen
80% 12x12, 20% 6x6



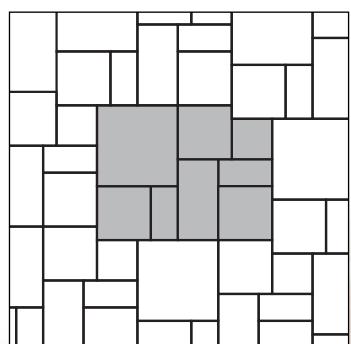
Haviland
57% 12x12, 29% 6x12, 14% 6x6



Mission 3
40% 12x12, 40% 6x12, 20% 6x6



Mission 4
37% 12x12, 37% 6x12
17% 8x8, 9% 6x6



Mission 5
26% 12x12, 38% 8x8, 14% 6x12
13% 4x8, 7% 6x6



Color: Custom Blend
Pattern: Mission 3

To view the latest patterns or to print larger versions of what you see here visit www.calstone.com

Symetry

Symetry

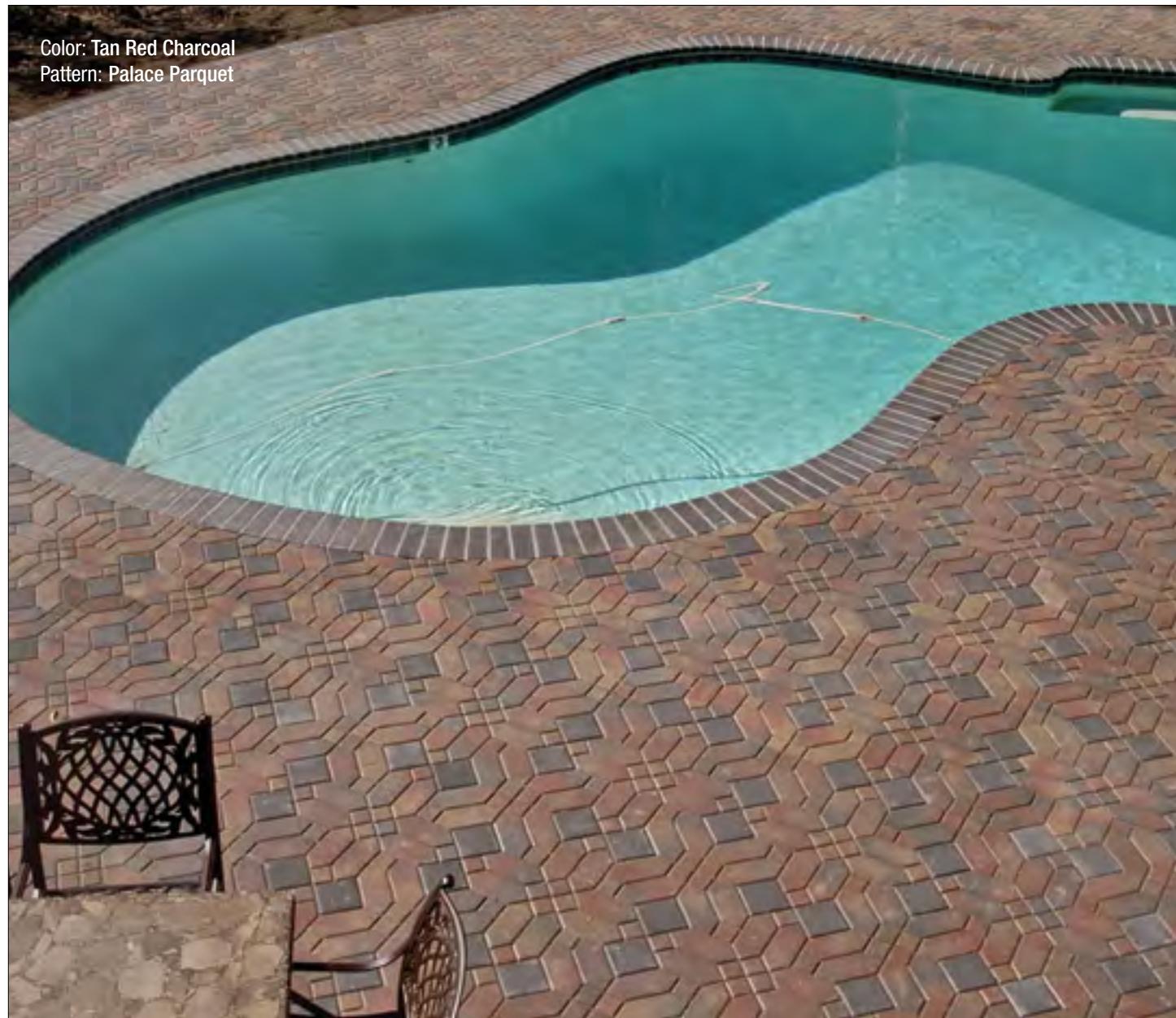
Modern Lines

Symetry combines the elegance of inlaid European tile and the strength of a life long pavement.

Symetry is ideal where a truly unique paving is required. Complex patterns geometrically designed to provide maximum interlock between units.

The patented "off-set" shape gives each course of pavers a true lock into the next row adding strength and stability. Beautiful creation options await.

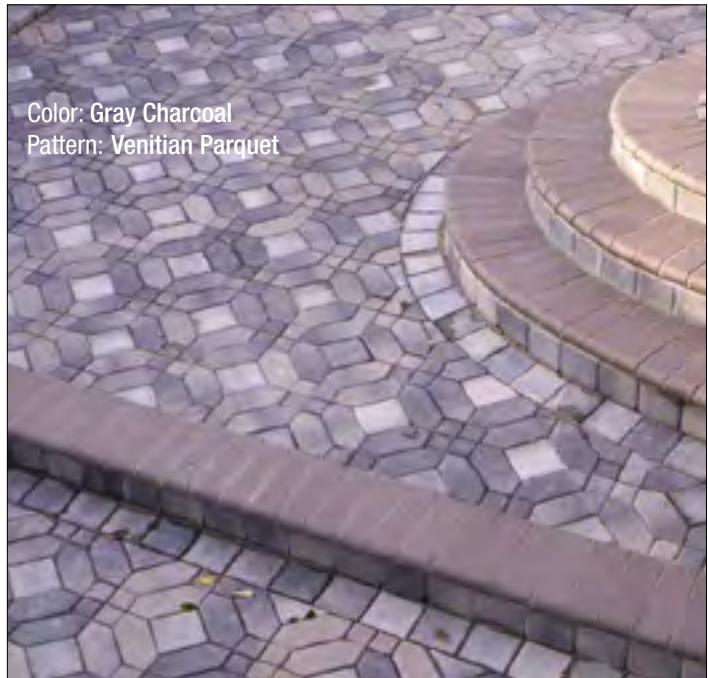
*For color choices go to the
Classic Cobble section on page 7.*



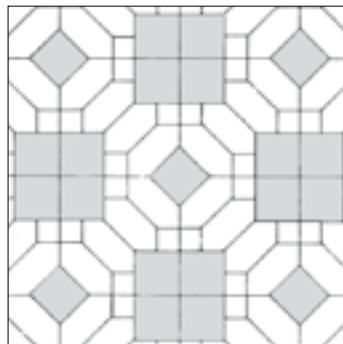
To view the latest photo gallery visit www.calstone.com

Product Details - Symmetry

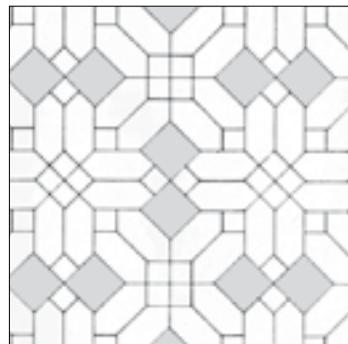
Units	Nominal Dimensions	Stone FT ²	Stones Pallet	FT ² Pallet
	6 x 6 (60mm)	4.1	432	105
	4 x 10 (60mm)	3.5	320	93



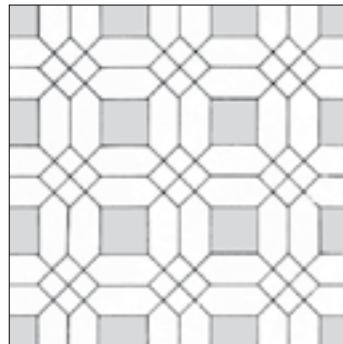
Patterns - Symmetry



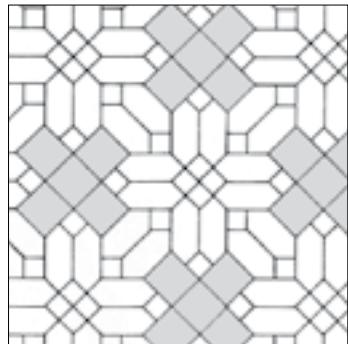
Grand Parquet
66.2%: Symetry
33.8%: Symetry Square



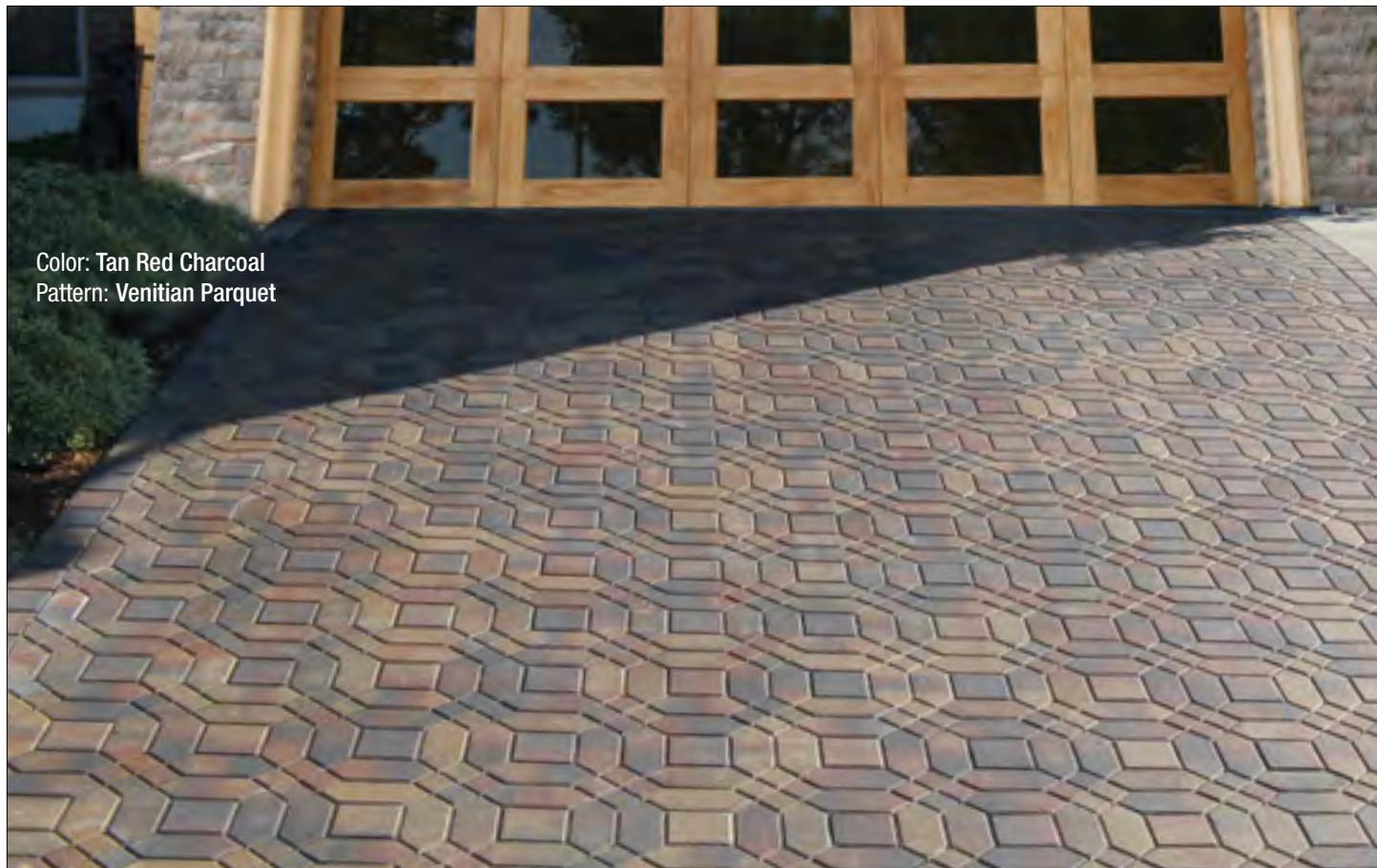
Palace Parquet
83%: Symetry
17%: Symetry Square



Venetian Parquet
83%: Symetry
17%: Symetry Square



Pattern 7
74.5%: Symetry
25.5%: Symetry Square



Bishop's Hat

Bishop's Hat

Authentic Italian Style

Emerging from the precision, expertise, and time proven quality that only Calstone can provide is a new customized paving stone. The Bishop's Hat brings an authentic Italian tile look to your project. Merge special colors and design patterns to enhance the expression, and enjoy the excellence and versatility that is Bishop's Hat.

*For color choices go to the
Classic Cobble section on page 7.*



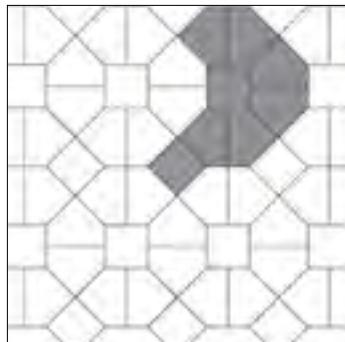
To view the latest photo gallery visit www.calstone.com

Product Details - Bishop's Hat

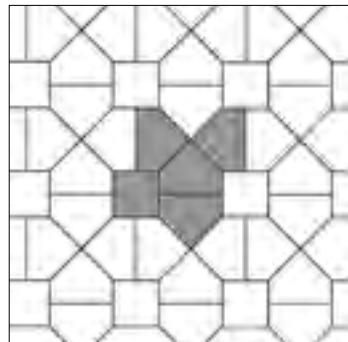
Units	Nominal Dimensions	Stone FT ²	Stones Pallet	FT ² Pallet
	9 x 11 (60mm)	1.9	180	94
	8 x 8 (60mm)	2.3	270	117



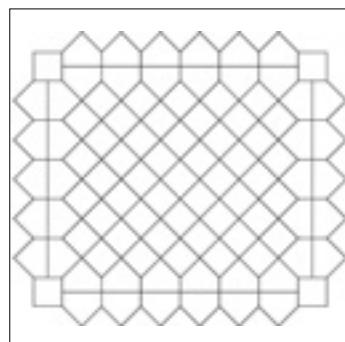
Patterns - Bishop's Hat



Parquet 2
78% Hat, 22% Square



Parquet
84% Hat, 16% Square



8x8 Field
Percentage of stones
dependent on field layout



To view the latest patterns or to print larger versions of what you see here visit www.calstone.com

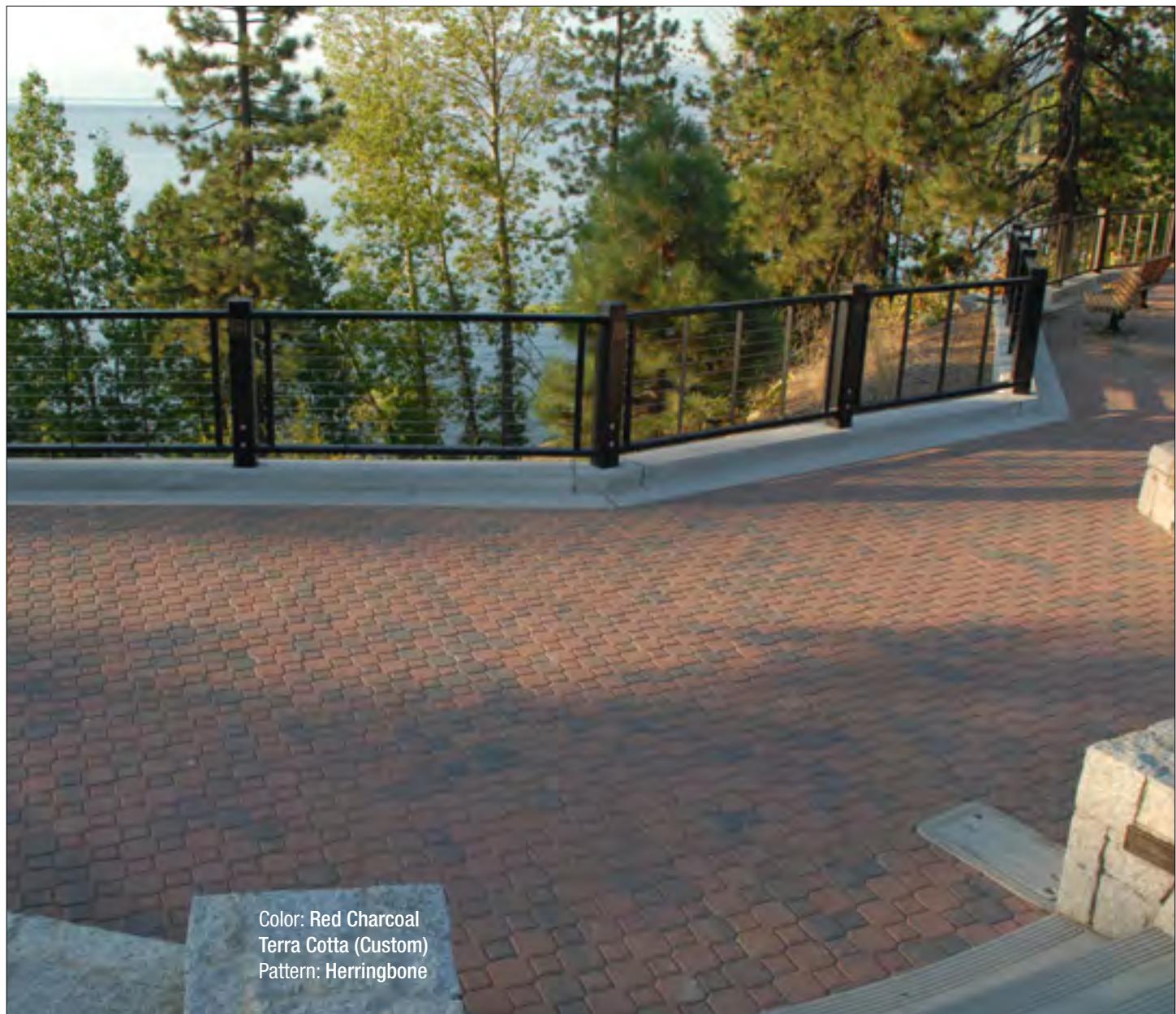
Athens

Athens

Traditional Style

A traditional style paving stone with modern lines and appeal. Our Athens shape has been used in California for over 25 years. As the city in Greece is the origin of the Olympic games, our Athens paver is the foundation of modern segmental paving in North America.

*For color choices go to the
Classic Cobble section on page 7.*

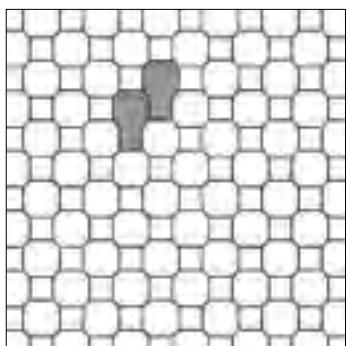


To view the latest photo gallery visit www.calstone.com

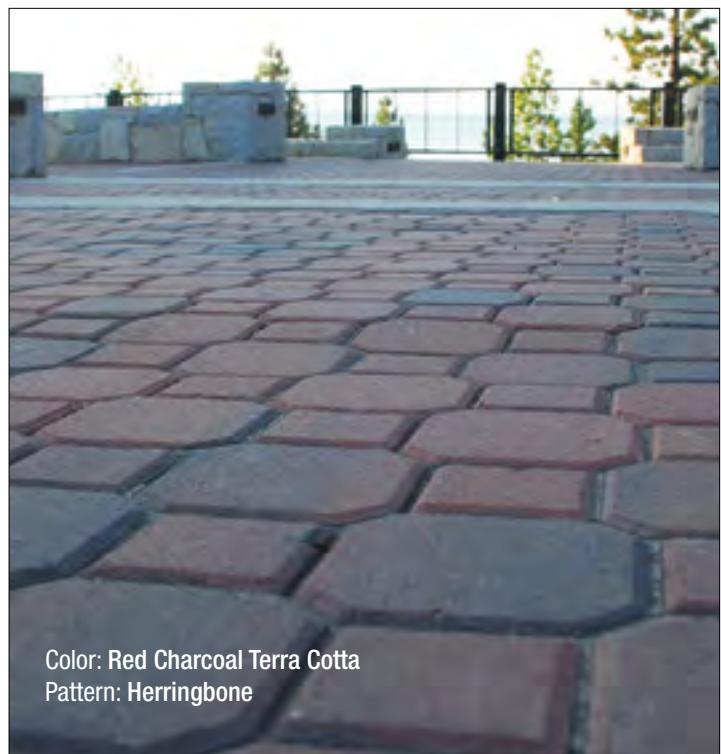
Product Details - Athens

Units	Nominal Dimensions	Stone FT ²	Stones Pallet	FT ² Pallet
	5 x 9 (60mm)	3.5	360	103

Patterns - Athens



Herringbone
100% Athens



Color: Red Charcoal Terra Cotta
Pattern: Herringbone



Color: Tan Red Charcoal
Pattern: Herringbone

California Flagstone

California Flagstone

The Look of Natural Stone

California Flagstone was developed to capture the look of real flagstone and be installed like a standard paving stone. Now you can have this natural flagstone look in your patio, sidewalk, pathway, and even your driveway without the high installation cost of real flagstone. Imagine, having a flagstone driveway or back yard patio without the price.

For color choices go to the Quarry Stone section on page 1.

Color: Sequoia Sandstone



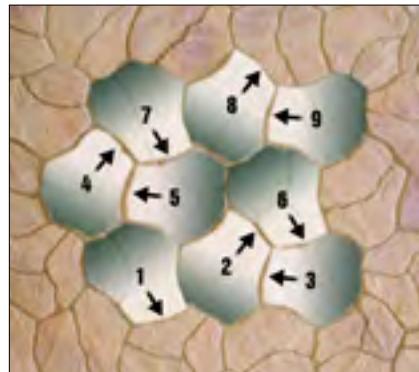
To view the latest photo gallery visit www.calstone.com

Product Details - California Flagstone

Units	Nominal Dimensions	Stone FT ²	Stones Pallet	FT ² Pallet
	 9 x 13 (80mm)	1.2	90	75



Lay Pattern - California Flagstone



Our antiqued California Flagstone comes in a 9 piece modular system. We recommend a polymeric joint sand to be used with this product. This stone series can also be installed as a permeable surface with an open area of 5 percent.

Please refer to our website, www.calstone.com, in California Flagstone's FAQ section for more detailed laying instructions.



FAQ

How come my pavers have variations on the surface?

During the de-molding and packaging process you may find some stones with slight surface deformations. These are de-molding marks and usually occur in a small percentage of the paving stones. This is normal and is considered part of the manufacturing process that gives the stones individuality.

What is Scuffing?

After the concrete pavers are installed, vibrated and swept clean the pavement surface is ready for use. The vibration process is used to vibrate the pavers into place and lock the pavers together by forcing the sand in between the joints, forcing the pavers to interlock amongst themselves and the edge restraints. This vibration process is probably the most stress your paving stones will ever encounter. Some incidental scuffing or scratches may occur. This is perfectly normal and shouldn't be confused with improper installation or defective product. The scuffing or scratches occurs when the surface is chafed and the natural color of the aggregate is exposed. These scuff marks are less noticeable when the color of the aggregate is closer to the color of the pigment.

What are Calstone Interlocking Concrete Paving Stones (Pavers)?

Calstone pavers are individual precast concrete units. They are manufactured with our technologically advanced facilities in Northern California. This specialized manufacturing process ensures an exacting quality controlled environment that produces pavers of higher strength and durability than normal concrete. Per industry specifications, pavers must meet a minimum average compressive strength of 8,000 psi. This can be compared to a range of about 1,500 – 2,500 psi for poured in place concrete. That means a Calstone paver is 3 times stronger than your current concrete driveway or patio.

How do the pavers interlock?

Regardless of which Calstone paver shape, color or laying pattern you choose, they are ALL interlocking paving stones. The term "interlock" comes from the friction of joint sand between paver to paver. This interlock provides pavement superiority in a multitude of ways. The pavers distribute traffic loading over a greater surface. The pavers remain flexible and can withstand minor and major movements of the native soils. Maintenance and repairs (if required) are simplified because no mortar is used in the installation process.

The basic system works like this: The pavers are placed on one inch of bedding sand over a compacted aggregate base. The thickness of the base will vary depending on its application. Pavers and sand are retained using edge restraints. Commonly used edge restraints include concrete curbing, plastic edge restraints, aluminum edge restraints, and concrete edge bond beams. The pavers are compacted into the bedding sand using a vibratory plate compactor. Sand is then swept and compacted into the joints, filling them and creating "interlock".

Upon completion of this compaction process, the area is ready for immediate use. Unlike asphalt and concrete, no curing time is required for interlocking concrete paving stones.

Are Paving Stones Slippery?

No. In fact, Calstone paving stones exceed the CalTrans standards for friction coefficient (slip and skid resistance) for freeways and highway construction. Pavers also surpass the slip resistance standards established by the American Disabilities Act.

Important note: Some sealers on the market can decrease the friction coefficient under wet conditions. Calstone recommends Aldon Penetrating Paver Sealer if you decide to seal your paving stone project. This sealer does not effect the slip resistance.

What type of sand do I need to use between my pavers?

Use a angular washed sand conforming to ASTM C-144 (commonly known as Mason Sand) or ASTM C-33 (commonly known as concrete sand). For enhanced performance Calstone recommends Alliance Super Sand.

How do I cut the pavers?

The two basic methods for cutting pavers are either with a diamond saw blade or mechanical paver splitter. Because of their high strength, pavers are hard to cut. A paver splitter, with a little practice, will make a nice cut but cannot make smaller precision pieces. For more precision cuts and difficult pieces around down spouts, drains, utility boxes, etc., a brick saw using a wet diamond blade is recommended.

Do I need to seal my Calstone pavers?

No, sealing is just an option. But sealing the pavers does have some advantages. Sealing your pavers will:

- Make clean up of oil, food, or vegetation stains easier.
- Help stabilize the joint sand from being washed out by rains or heavy cleanings.
- Help prevent efflorescence from occurring or recurring.
- Help prevent vegetation growth.
- Intensifies color characteristics.

Sealing your pavers can take place immediately upon completion of installation or at anytime in the future provided the pavers are clean and weather permitting. The area to be sealed should be cleaned and allowed to thoroughly dry (approximately 3 – 5 days of warm weather) before the application of the sealer can take place. Although pavers may appear dry on the surface, it is very important to wait the prescribed drying time before the application of the sealer.

Calstone recommends 1–2 coats of Aldon Penetrating Paver Sealer. This is a solvent based sealer and will outlast and out perform most water based sealers on the market.

What is that white stuff on my pavers?

Occasionally, some pavers may have a whitish residue upon called efflorescence. Efflorescence is a natural by-product from the cement hydration process and can be found in any concrete or mortar product. 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. When moisture on the surface evaporates, the white efflorescence becomes visible and will wear off over the course of time. If you wish to speed up the removal of efflorescence, Calstone recommends the Aldon Paver Restore shown on the next page.

Installation

Installation Guidelines - Concrete Paving Stones

1.

Excavate to the proper design depth (see diagram at top right*). Remove all surplus unsuitable sub-base material. Compact the area which has been cleared. Then spread and compact the area with Class II 3/4" minus aggregate for base material. The depth of the base should be 3 to 12 inches, depending on anticipated traffic, native soil conditions or as otherwise directed by Site Engineer, Architect or Landscape Architect. Compact base in lifts to 95% proctor density.

Installation Tip: Calstone recommends a minimum of 6 to 8 inches of compacted base in residential vehicular conditions. 3 to 4 inches in pedestrian only areas.

2.

Spread concrete sand evenly over the base and screed to a uniform depth of 1 to 1 1/2 inches up to the edge. (Edge restraints can be of various types, e.g. PVC (Snap Edge/PaveEdge), concrete, wood, aluminum, etc.). The screeded sand should not be pre-compacted.

3.

Install the Paving Stones hand tight in the desired pattern 1/4 inches to 3/8 inches above final grade. The joints between the units should be approximately 1/16 to 1/8 inches wide. Most pavers are made with spacer bars to create a minimum joint width. These spacer bars will provide the minimum joint necessary for sand to enter.

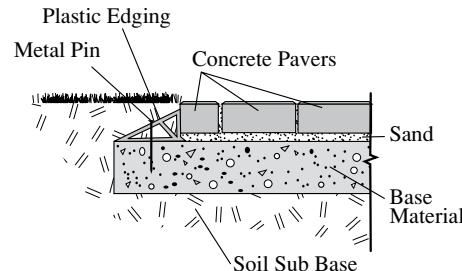
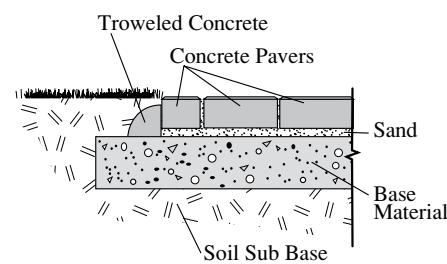
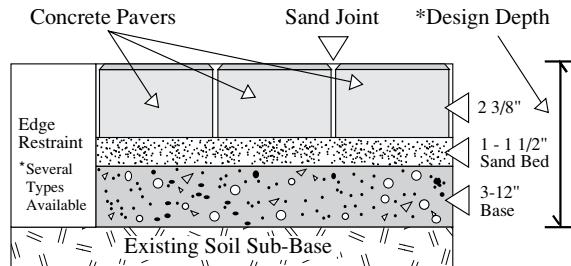
4.

Cut the Paving Stones when required with a paver splitter or saw to fit accurately and neatly.

Installation Tip: When saw cutting, be careful to not allow cutting residue (wet or dry) to land on the pavers. The residue will permanently dull the appearance of the paving stones. This type of staining is extremely, if not impossible to remove. Saw cut pavers should be rinsed thoroughly before placing them into the laying field.

5.

Once an area is installed, compact the pavers 2-3 passes into the bedding sand with a plate vibrator. This piece of equipment should be capable of 3000 to 5000 lbs. centrifugal compaction force, and operate at a frequency of 80 to 90 hertz.



Installation Tip: One of the most attractive features of a Calstone paving stone is the elegant finish achieved through the Duraface process. Care should be taken to preserve this finish during installation. Most vibratory plate manufacturers offer impact pads designed specifically for paving stone installations. If this is not available, the installer should use some other form of intermediate media such as thin plywood, carpet, cardboard, landscape fabric, etc.

This added protection is not necessary in our River Rock and Quarry Stone product lines.

6.

Then sweep a dry sand over the pavers and into the joints. Make 4-5 passes with the plate vibrator across the surface or until the joints are full of sand.

7.

Sweep off excess sand and wash down completed project. The paver surface is now ready for use. If using polymeric joint sand, read and follow manufacturer's directions.

Permeable Pavers

Permeable Pavers

Commitment to Green

Permeable pavers help the environment by protecting the quality of our water supplies. They reduce the amount of stormwater runoff entering our natural waterways which carry contaminants and pollutants. The water can naturally drain through the spaces in the pavers. Permeable pavers also will help with erosion control, and flooding issues.

For color choices go to the Quarry Stone section on page 1.



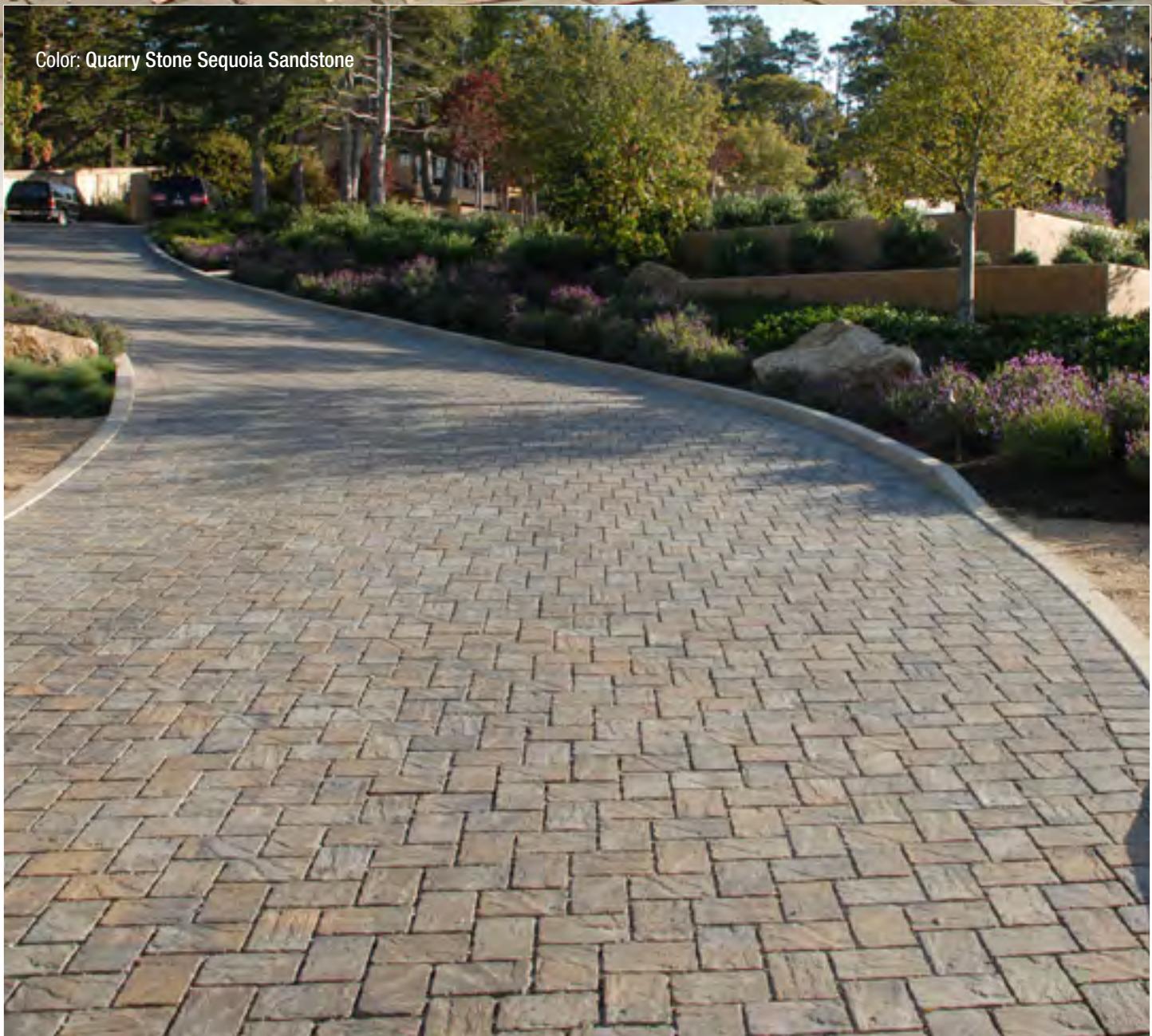
Color: Quarry Stone Sequoia Sandstone



Color: Quarry Stone Rustic Yellowstone

To view the latest photo gallery visit www.calstone.com

Color: Quarry Stone Sequoia Sandstone



Color: Quarry Stone
Rustic Yellowstone



Color: 4 x 8 Tuscan Gold



Permeable Pavers



Color: Quarry Stone Rustic Yellowstone



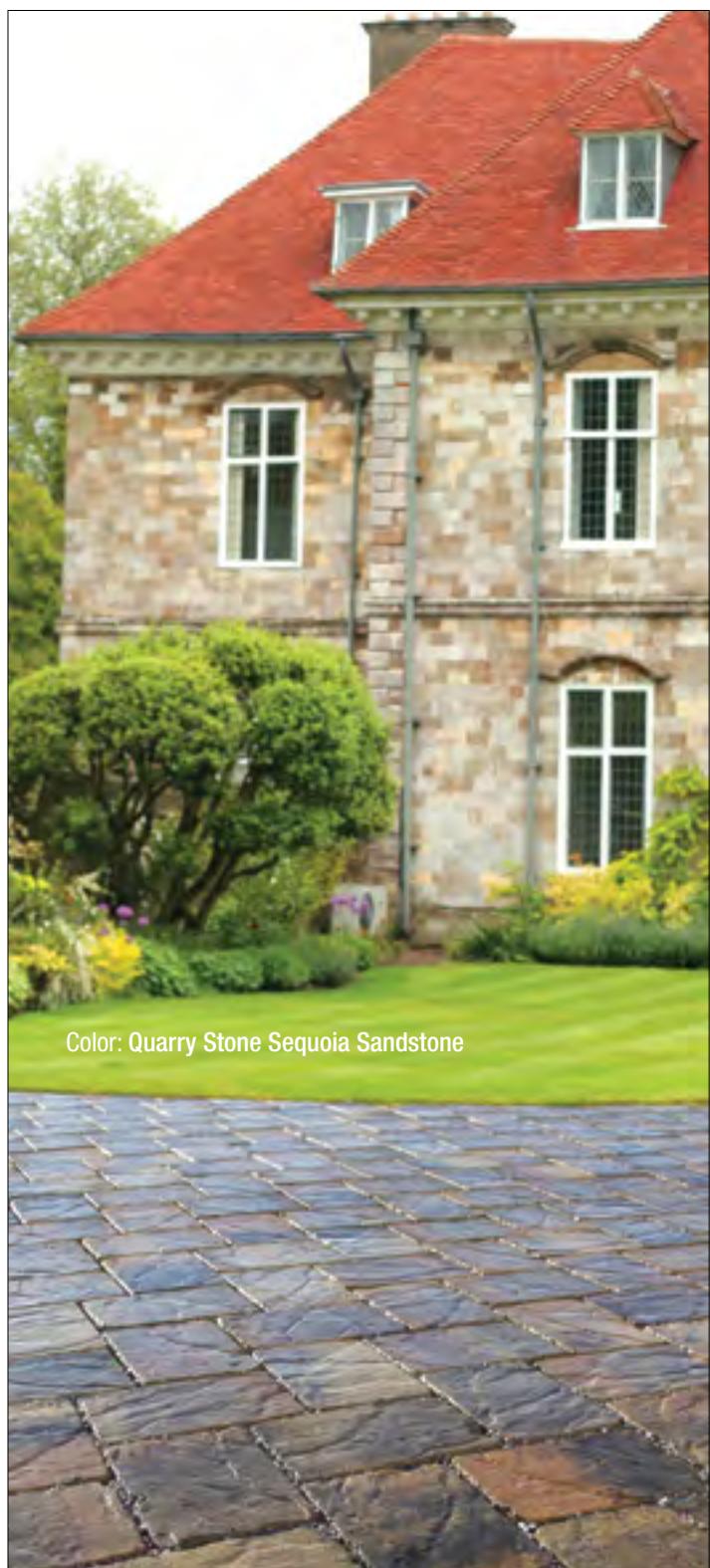
Color: Quarry Stone Sequoia Sandstone



Color: 4 x 8 Gray with
4 x 8 Charcoal insets

Product Details - Permeable Pavers

Sizes	Nominal Size	Stone FT ²	Stones Pallet	FT ² Pallet
	6 x 9 (80mm)	2.75	210	76
	4 x 8 (80mm)	4.7	400 full / 24 halves	88



Installation - Permeable Pavers

For Design, Construction, and Maintenance please refer to: ICPI - Permeable Interlocking Concrete Pavements by David R. Smith.

Installation drawings are available at www.icpi.org in the publications section.



For a complete set of specifications go to www.calstone.com under specifications in the paving stone section.

Technical Guidelines - Permeable Pavers

- Pavers conform to ASTM C936
- Construction aggregates must conform to ASTM D448
- Joint filling stone gradation: ASTM # 89 or 9
- Base gradation: ASTM # 57
- Subbase gradation: ASTM # 2, 3 or 4 (railroad ballast)
- Soil subgrade: classified per ASTM D2487; tested for permeability per ASTM D3385
- Structural design: ICPI design chart determines minimum base thickness to support pedestrian and vehicular traffic

For typical residential design details for patios and driveways visit www.calstone.com and go to Design Details in the Paving Stone section.

Roman Stone

Roman Stone

Limitless Versatility

The antiqued weathered appearance of Roman Stone is a great alternative to expensive natural stone products. Roman Stone is available in seven unique blended colors designed to compliment our standard paving stone lines.

Reproducing the natural look and feel of Roman Stone, we strive to create random fractures, chips, scratches, broken edges and corners in the manufacturing of our product line.



Gray Charcoal



Tan Charcoal



Green Charcoal



Brown Beige Charcoal



Cream Tan Brown



Tan Red Charcoal



Tan Brown

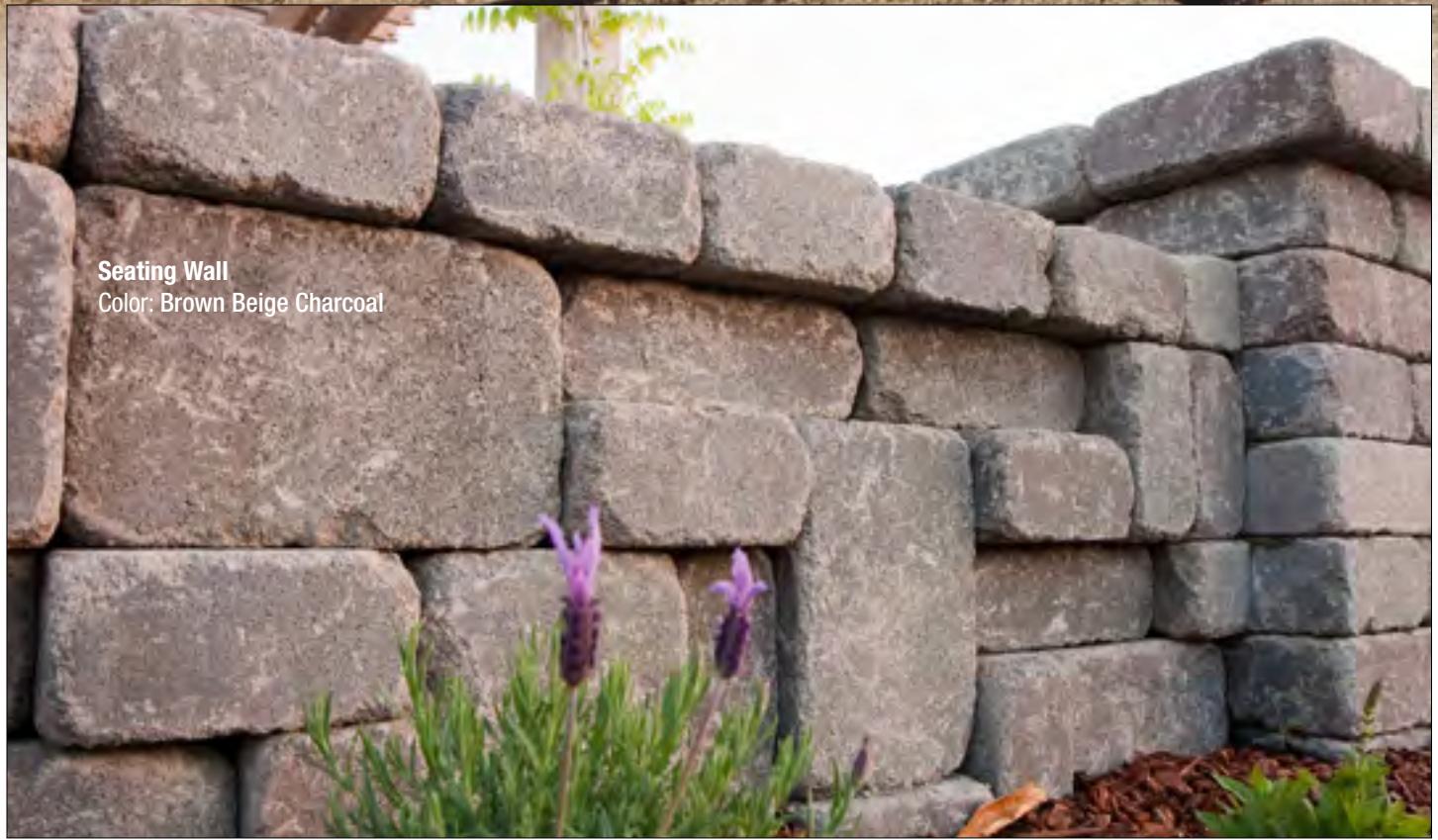


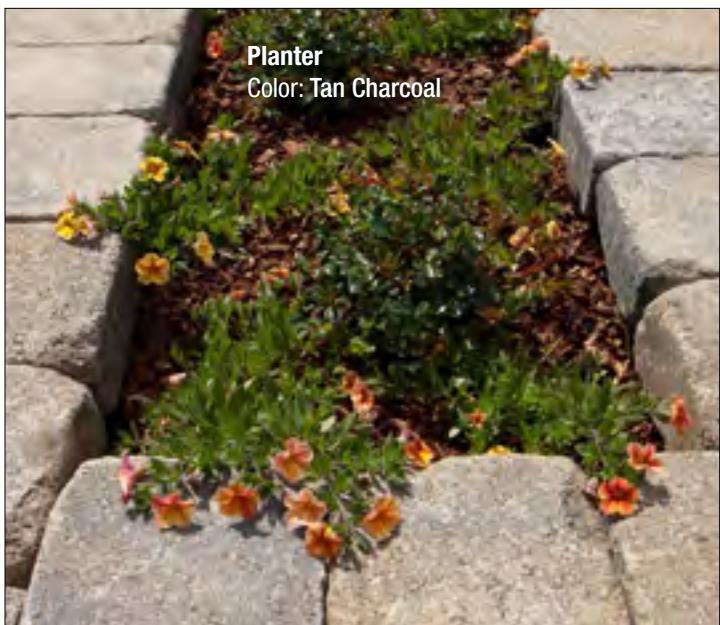
Fireplace and Seating Wall

Color: Tan Red Charcoal

Tan Red Charcoal
Classic Cobble

Roman Stone





Roman Stone

Building Basics

Roman Stone is a modular structural building system that gives you the ability to create any size structure using it's modular dimension. The smallest modular dimension is created using 4 units (8" x 12" each) on the first course foot print to make a 1'8" x 1'8" square. (see *diagram 1 at right*).

By adding 4 additional units to the first course foot print you can increase the size by 1' in either direction. (see *diagram 2 at right*).

Using this building concept you can create any size starting foot print depending on the size of your specific project.

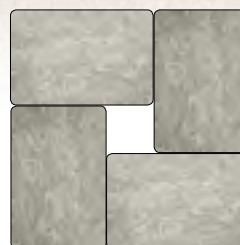


diagram 1

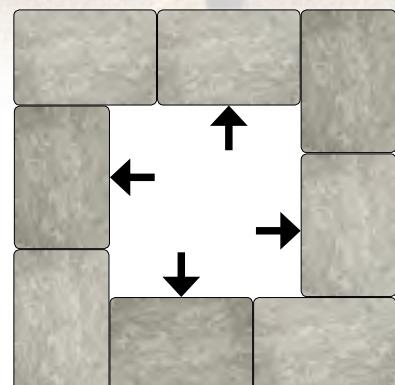


diagram 2



Example of the first course of a 1'8" x 1'8" pilaster



Roman Stone is built using concrete adhesive instead of mortar. Making it easy, fast and very strong.

Once you've established your foot print and leveled it properly, the second course is created by gluing the corners in the opposite direction of the first course. Then it's as simple as repeating the process for each course until the desired height is achieved.



As you build each successive course use a level to make sure that your walls are straight and plumb.

Beyond the Basics



Radius structures and walls can be built by leaving gaps on the outer edge of the stone.



The units can be cut (optional) to eliminate gaps in any radius structure.

- Fireplaces
- Planters
- Seat Walls
- Garden Walls
- Fire Pits
- Fountains
- Raised Patios
- Pillars
- Curb Edging
- Grill Enclosures
- Stair Treads and Risers
- Landscape Retaining Walls

To find a contractor to install Roman Stone professionally or for more detailed installation guidelines and instructional videos visit us at www.calstone.com

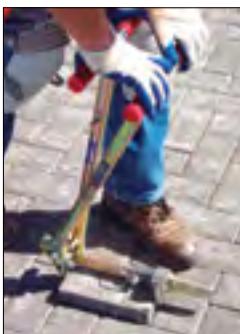


Accessories



Probst PaverPaw

The only one handed option for two handed pavers. PaverPaw's used in each hand when installing heavier "two handed" pavers will actually speed up installation over 300%.



Probst PaverExtractor

The efficient way to remove pavers before the joint sand process.

Features:

- replaceable serrated spring steel teeth
- QuickADJUST allows for fast easy size adjustment for most pavers
- opening range 6"- 9"



Probst PaverSplitter

A fast, inexpensive, durable alternative to diamond blade cutting.

- portable and easy to operate
- no power required
- can make most required cuts



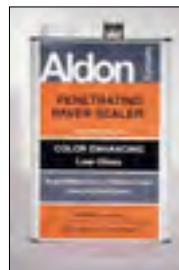
Snap-Edge Paver Edge Restraint

Paver and sand restraint for any project application. Easy to use 8' sections work for either straight or radius turns. Edging is staked to the base with large nails.



Alliance Gator Bond Quick Curing Adhesive

- easy to apply
- water-resistant, freeze-thaw stable
- super strength, flexible for long-lasting professional installation of pavers, slate, marble, brick, stone and concrete



Aldon Penetrating Paver Sealer

Solvent based acrylic paving stone sealer. This is a penetrating sealer that is truly universal and can be used on almost any type of clay, stone or concrete pavers.

- enhances and brightens paver colors.
- retains natural slip resistance of pavers.
- bonds below the surface to help prevent efflorescence



Aldon Paver Restore

Helps remove very heavy hard water mineral deposits and efflorescence without all the problems and dangers caused by using muriatic acid. Safe with most vegetation.



Aldon Insta-Clean

A paving stone cleaner that is far stronger and safer than others on the market.

Helps to safely remove:

- food and grease stains
- years of heavy dirt accumulation
- vegetation stains
- diminishes oil stains on driveways and garage floors



Alliance Super Sand

- Helps prevent weed sprouting
- Helps prevent damages caused by insects
- Helps prevent water erosion
- Activated with water
- Sets at above freezing temperature
- Does not stain paving stones.

For questions about additional paver accessories or help on a project, contact Calstone.
See the back of this catalog for contact information or visit our website at www.calstone.com



Because Quality Matters

About Calstone

Since 1948

Calstone has serviced Northern California with high quality concrete masonry and landscaping products for more than 60 years. Established in 1948 in San Carlos, Calstone has four manufacturing facilities in operation, Sunnyvale, Galt, San Martin, and Tracy. These centralized manufacturing locations enable us to provide services to much of the state, going as far north as Eureka, and far South as Fresno, and as far East as Reno on a regular basis.

Calstone currently services customers with over 600 varieties and sizes of concrete masonry, landscaping products and custom made units meeting the specific needs of our clientele in both the retail trade and construction industries. At Calstone, we pride ourselves on our ability to constantly innovate new products to stay ahead in technological development. New equipment and new molds are frequently added, keeping ahead with improvements and design changes in the industry.

We are well prepared to meet the needs of all of our customers, serving equally the requirements of the retail industry, as well as residential, commercial, industrial, and institutional construction. The plants can operate 24 hours a day, and, to meet emergency circumstances, have the ability to deliver a cured Calstone product 24 hours after manufacture.

Deliveries are met through our own fleet of trucks or by our dealers fleet of delivery and service. Support is accomplished through a select group of building products distributors, while technical assistance is provided to contractors and architects where needed. Managements technical expertise is the result of industry related associations, such as California Concrete Masonry Association (CMACN), National Concrete Masonry Association (NCMA), Interlocking Concrete Pavement Institute (ICPI), and a host of local organizations. Our effective customer relations policies stem from our family-run business ethic, spanning three generations.

Calstone has highly qualified customer services and sales staff that are on call to answer any questions you may have. Management is always readily available to answer any of your questions, one of the many distinct trademarks that has set the company apart from others throughout our 60 year plus history.

If you are looking for a quality product, excellent service, competitive prices, and practical solutions to your creative ideas, look to Calstone



Because Quality Matters

Your Authorized Distributor:

Calstone Manufacturing Locations:

San Martin
13775 Llagas Ave.,
San Martin, CA 95046
phone (408) 686-9627
fax (408) 686-9127

Galt
421 Crystal Way,
Galt, CA 95632
phone (209) 745-2981
fax (209) 745-2983

Sunnyvale
1155 Aster Ave.,
Sunnyvale, CA 94086
phone (408) 984-8800
fax (408) 984-2648

Tracy
426 East Grant Line Road,
Tracy, CA 95376
phone (209) 833-7366
fax (209) 833-7467