
CALSTONE
Because Quality Matters
Hardscape Product Catalog
• Paving Stones
• Outdoor Structures
• Retaining Walls
calstone.com

CALSTONE

Because Quality Matters

Bring color, style, texture, and long lasting beauty to your outdoor space.

Old World or modern, grand or modest, smooth or textured, Calstone offers a world class line of premium paving stones in a full range of blended colors.

All Calstone products are made using only the finest raw materials and the most technologically advanced equipment and processes available. As a result Calstone produces products that look stunning and stay that wayfor a lifetime.

Explore this catalog displaying our complete line of hardscape products or visit our website at **calstone.com**.

About this catalog:

The colors depicted in the swatches and photographs are printed 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 slightly.

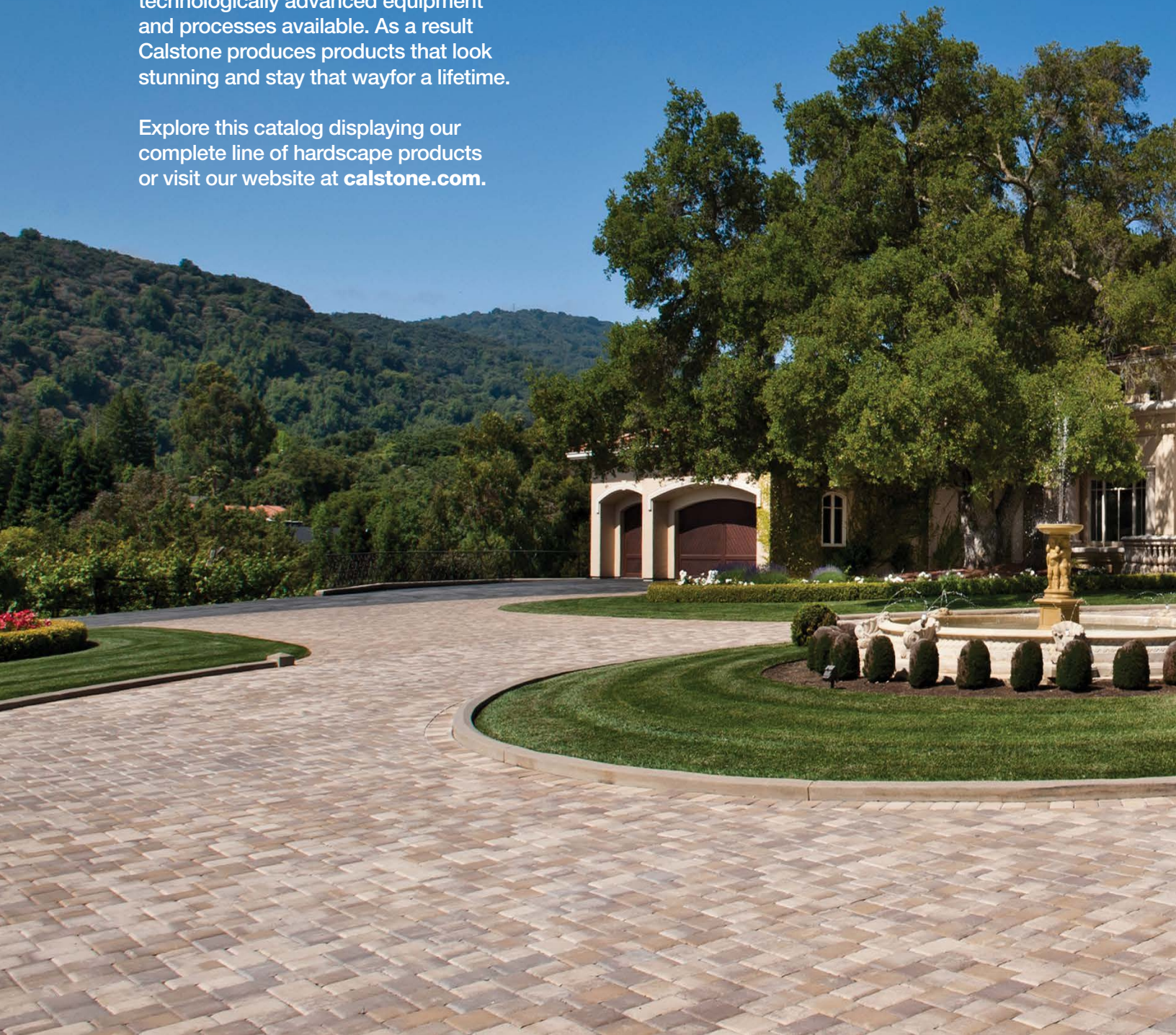


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Paving Stone Introduction



Early version of a 4' x 8' standard gray cement paver

Interlocking paving stones were developed to outperform 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 cement Gray in color.

As the popularity of paving stones grew, so did the demand for additional 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 can 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's paving stones are made using a patented color-blending process and superior Duraface technology.

Our unique color-blending process allows us to blend and distribute up to six different colors in the paving stone for a more natural look. The Duraface surfacing method is superior to other types of paving stones in color vibrancy, surface texture, strength, and durability.

Calstone's paving stones are made using a dual mix design process:



Calstone's patented six-color blending process (U.S. patent #7,572,048 B2)

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 and dense like natural stone, rich and vibrant in color, and fade- and slip-resistant.



Pathway using Calstone's Quarry Stone in Rustic Yellowstone

CALSTONE

Established 1948

Duraface FAQ

Q: What is Duraface?

A: Duraface is an extremely hard, dense, color saturated, high performance concrete cast into the surface of all Calstone premium paving stones.

Q: What are the advantages of Duraface?

A: The initial advantages are that Duraface pavers have a smooth, consistent, stone like finish with rich vibrant colors. They are better looking! The long term advantages are that Duraface pavers retain their original appearance for many years after standard thru-mix pavers have lost their original color and texture. Duraface pavers will continue to be better looking for the lifetime of the pavement!

Q: How is Duraface concrete different than thru-mix concrete?

A: *Cement* – Duraface concrete has nearly twice the cement content of thru-mix concrete. Cement paste is the glue that holds sand particles together. More cement gives more strength & durability because of the increased adhesion between particles. Cement paste is also what attaches pigment to the sand particles. More cement means a thicker coat of color on each sand particle. Many Duraface colors are made using white cement. White cement allows us to create a broader range of colors in our products with incredible vibrancy.

Oxide Iron Pigment – Iron Oxide is the colorant used in architectural concrete. Duraface has nearly 3 times the pigment compared to standard thru-mix paver concrete. Higher pigment content intensifies the color of the cement paste giving bolder longer lasting colors.

Sand/Aggregate – Duraface specialty sands are cleaner and have tighter fitting particles than standard concrete sand. The tighter fit gives a smoother, more consistent, finish with lower permeability. The cleanliness of the sand results in a stronger bond between particles, and a stronger bond of pigment to the particles. Another advantage for sealed projects is that the tighter finish results in improved sealer coverage.

Q: Are all of the advantages of a Duraface paver in the surface?

A: No! Our process is technically a “dual mix design technology”. Concrete mix designs are tailored to give specific performance characteristics. Using this dual mix design technology allows us to design the base concrete layer of the paver for ultimate compressive strength and durability without having to make any compromises for aesthetic reasons. Thru-mix products are a compromise in mix design.

Q: If Duraface is so great why don’t all of the producers do it?

A: Cost of manufacturing. The facility and equipment required to make a Duraface product is more expensive, the production capacity of a Duraface plant is lower than a thru-mix plant, and the cost of raw materials used to make Duraface pavers is considerably higher.

Q: Why does Calstone make Duraface?

A: Our mission is to create the highest quality Hardscape products in the world.



Duraface



Thru-Mix

Quarry Stone



Color: Sierra Granite

Natural Slate Texture

Our Quarry Stone selections draw their inspiration from natural materials. Our colors mimic and blend seamlessly with natural stone products. Using up to six blended colors, we created nine distinctive choices for a custom palette that is the perfect complement to your landscape and structural projects.

Color: **Rustic Yellowstone**
Pattern: **QS1**

Colors *Quarry Stone and Versailles*



Cameron Cream



Chaco Canyon



Connecticut Green



Sequoia Sandstone



Sierra Granite



Rustic Yellowstone



Tuscan Gold



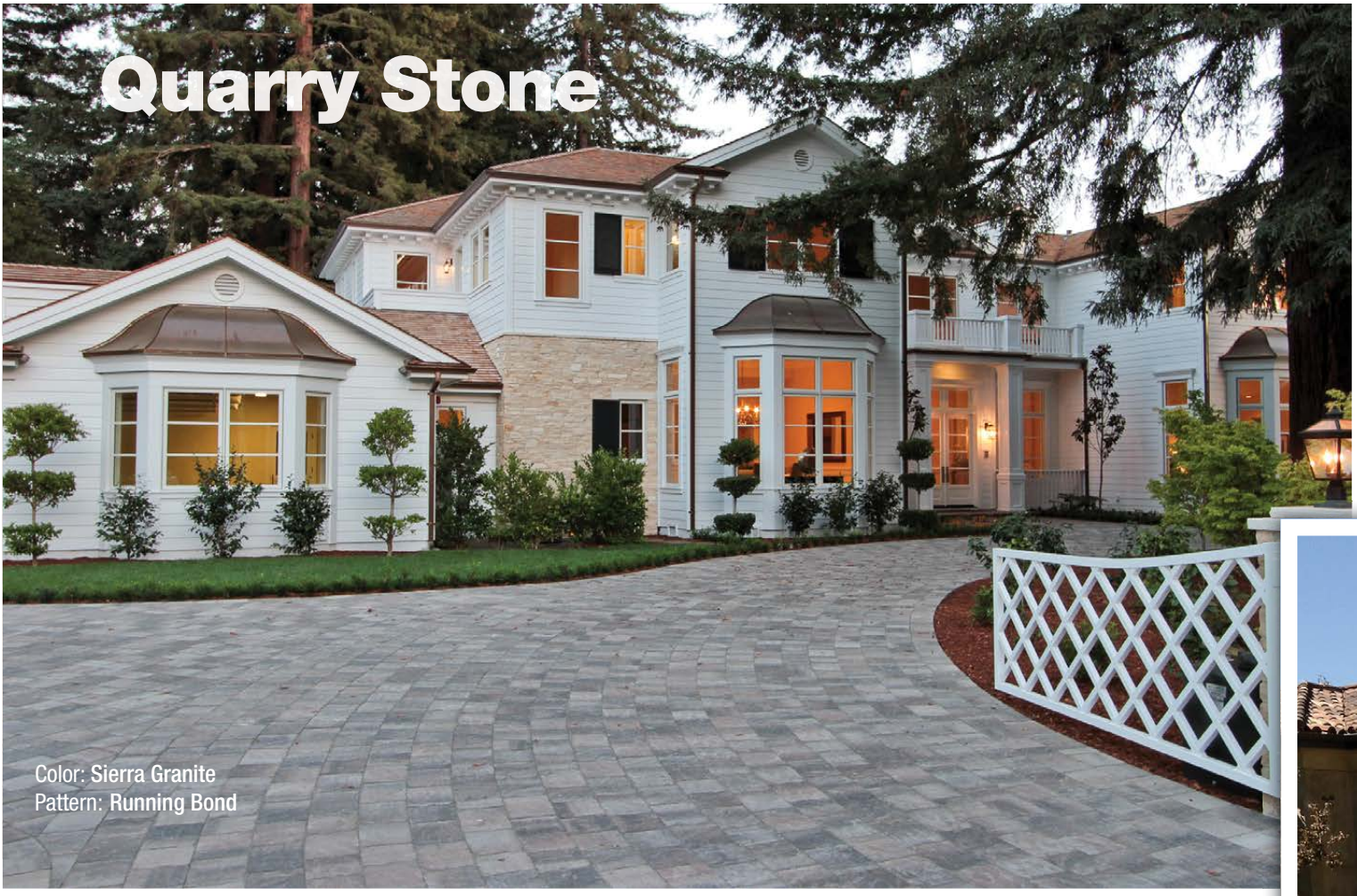
Oak Barrel Gray



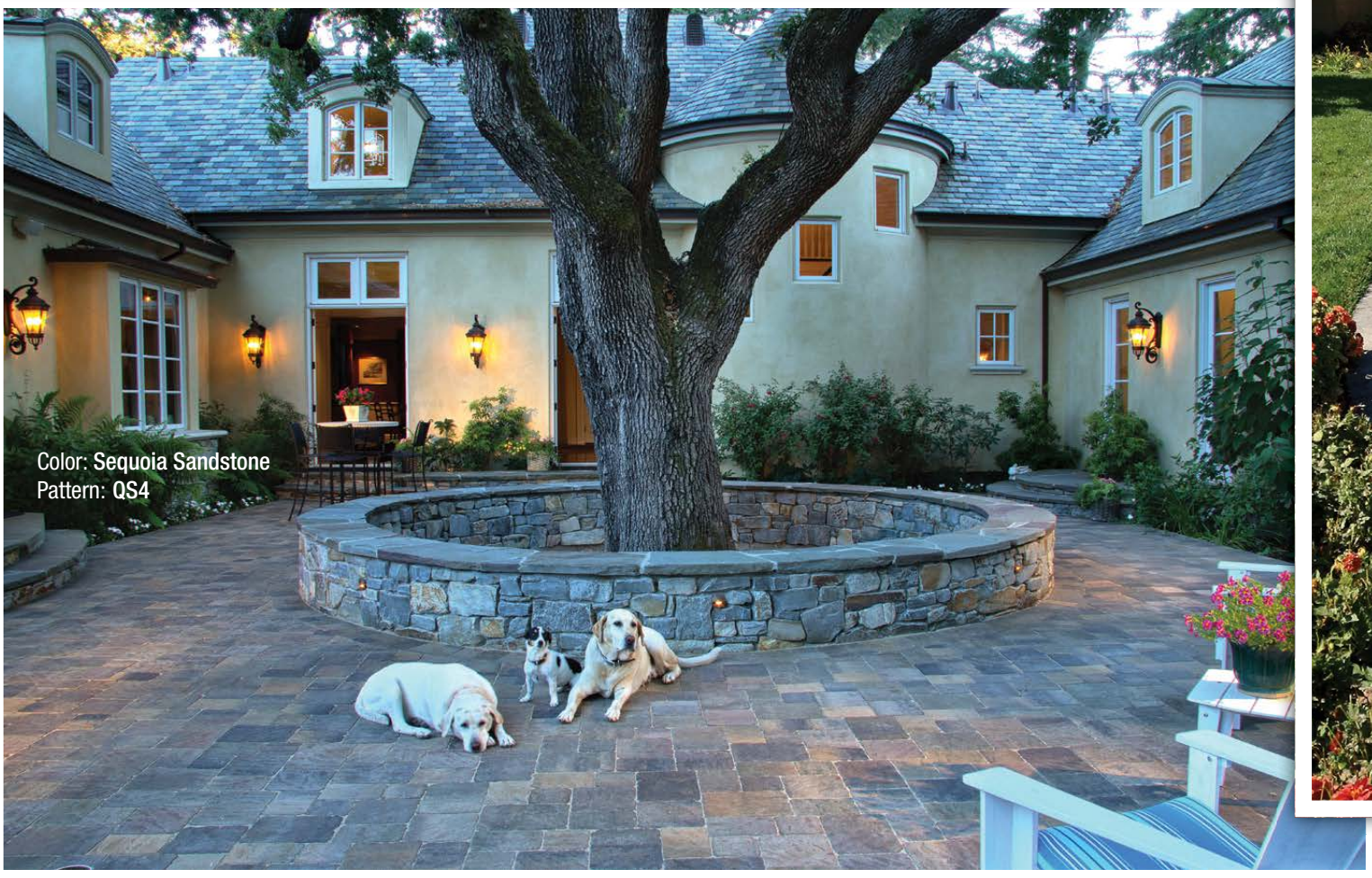
Sunset Terracotta

- To reproduce the look and feel of natural stone, our Quarry Stone and Versailles, our paving stones intentionally contain random imperfections such as chips, cracks, and broken corners.
- Quarry Stone Versailles is available by special order in Connecticut Green, Sunset Terracotta and Tuscan Gold.

Quarry Stone



Color: **Sierra Granite**
Pattern: **Running Bond**



Color: **Sequoia Sandstone**
Pattern: **QS4**

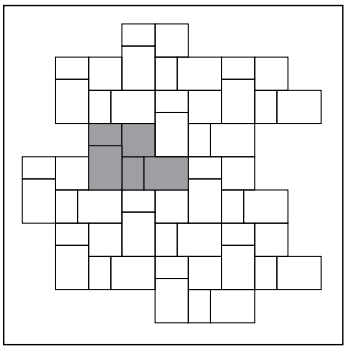


Product Details - Quarry Stone

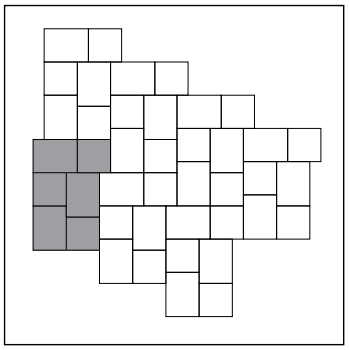
Units	Nominal Dimensions	Stone FT^2	Stones Pallet	FT^2 Pallet
	6 x 6 (60mm)	4.1	432	105
	6 x 9 (60mm)	2.8	270	98
	9 x 9 (60mm)	1.8	180	98
	9 x 12 (60mm)	1.4	144	105



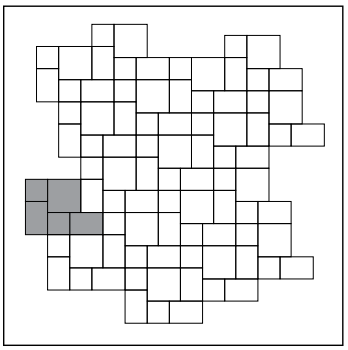
Patterns - Quarry Stone



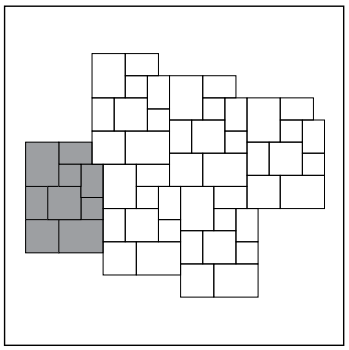
QS 1
27% 6x9, 20% 9x9, 53% 9x12



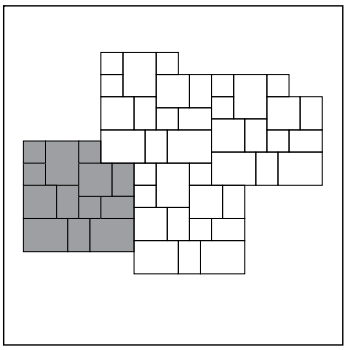
QS 2
43% 9x9 , 57% 9x12



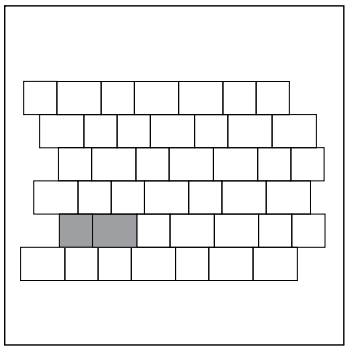
QS 3
28% 6x6, 41% 6x9, 31% 9x9



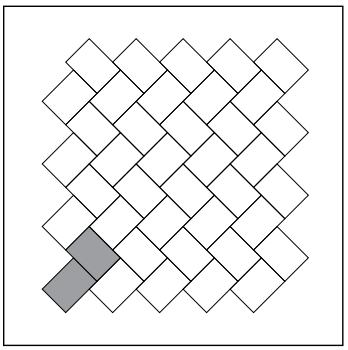
QS 4
12% 6x6, 26% 6x9,
27% 9x9, 35% 9x12



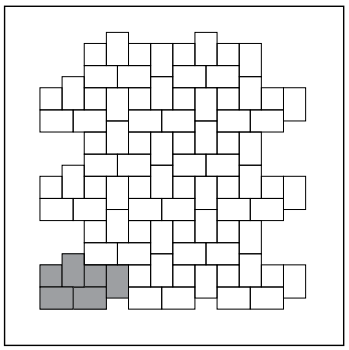
QS 8
17% 6x6, 26% 6x9,
19% 9x9, 38% 9x12



Running Bond
40% 6x6, 60% 6x9, or
43% 9x9, 57% 9x12



Herringbone 45 Degree
100% 6x9 or 9x12



Old Town II
25% 6x6, 75% 6x9

To view or print more patterns visit **calstone.com**

Quarry Stone *Versailles*

Color: **Rustic Yellowstone**
Pattern: **Versailles 1**

The Next Big Thing

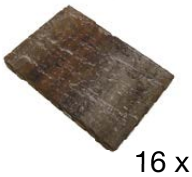
The new Versailles series shares the aesthetic qualities of our ever popular Quarry Stone in a larger format. Produced and packaged in individual sizes it offers unlimited pattern flexibility.

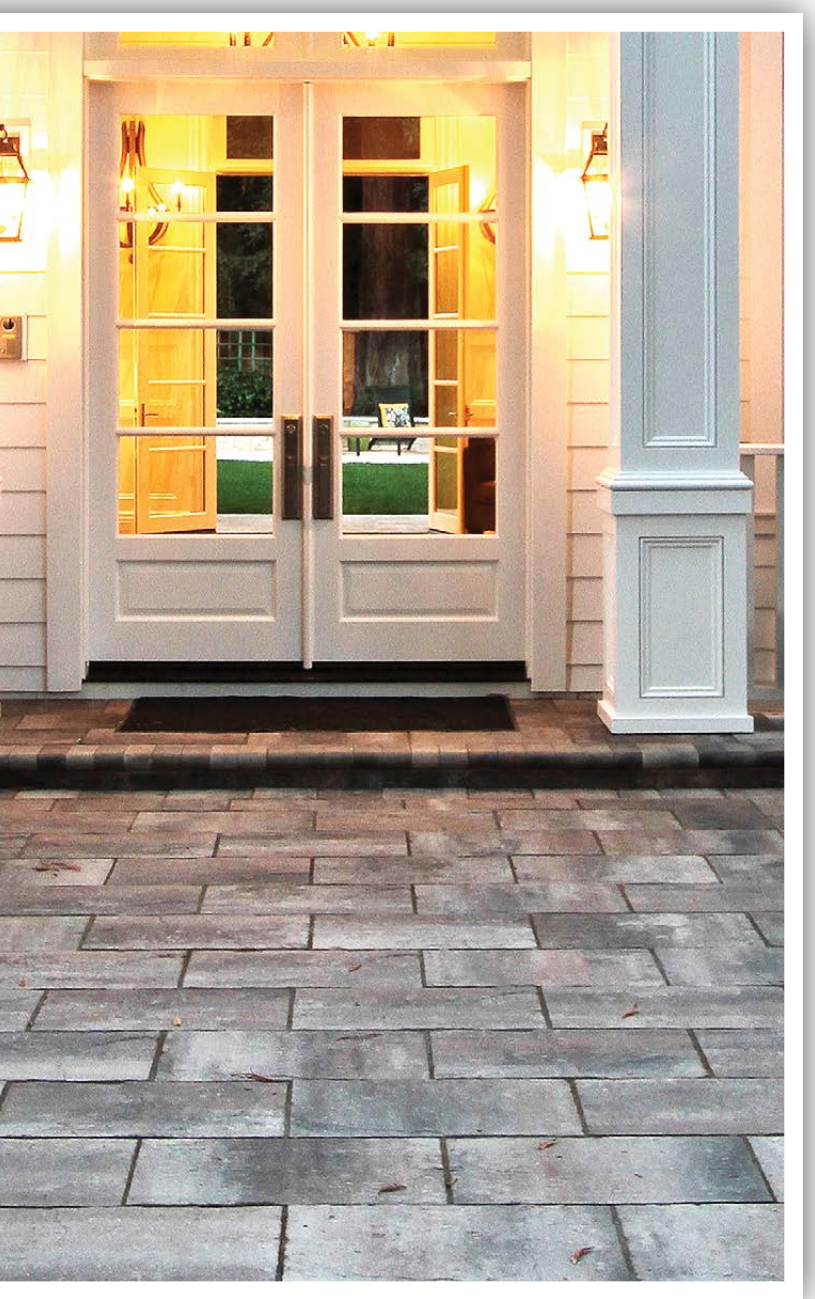
These large 60 mm slate textured stones are available in six dynamic multi-blend eye-catching colors, and are the ideal hardscape solution for commercial and residential applications, including plazas, courtyards, entryways, patios, walkways and pool decks.



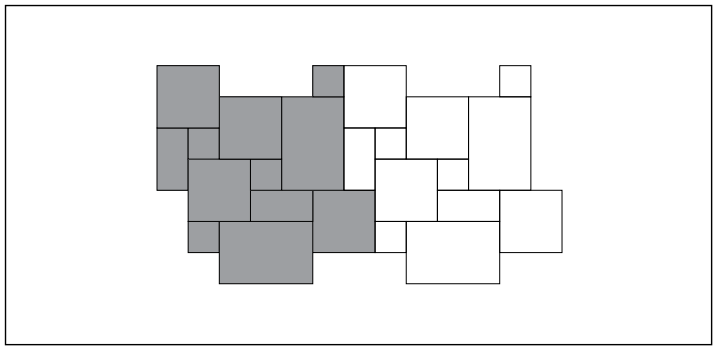
Color: **Sierra Granite**
Pattern: **Running Bond**

Product Details - Versailles Series

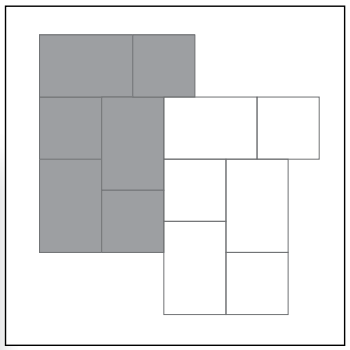
Units	Nominal Dimensions	Stones FT²	Stones Pallet	FT² Pallet
	8 x 8 (60mm)	2.3	240	103
	8 x 16 (60mm)	1.2	120	103
	16 x 16 (60mm)	0.6	60	103
	16 x 24 (60mm)	0.4	40	103



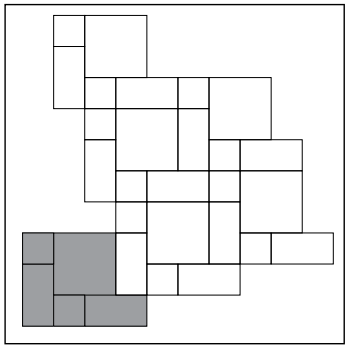
Patterns - Versailles Series



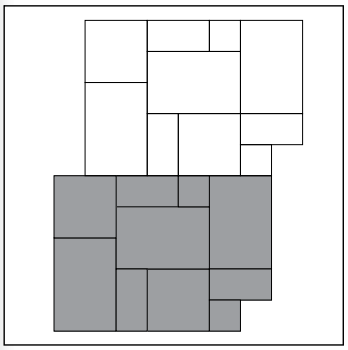
Versailles 1
11% 8x8, 11% 8x16, 45% 16x16, 33% 16x24



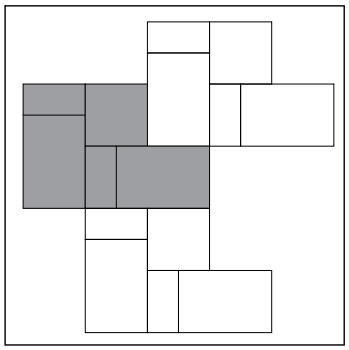
Versailles 2
40% 16x16, 60% 16x24



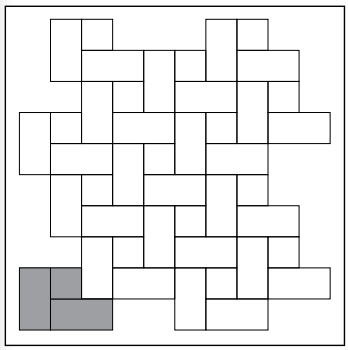
Versailles 3
20% 8x8, 40% 8x16, 40% 16x16



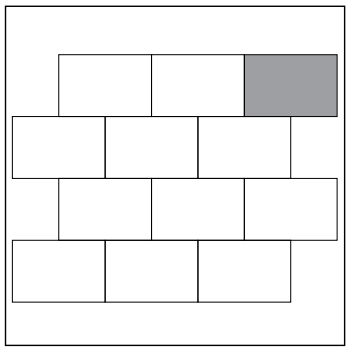
Versailles 4
6% 8x8, 18% 8x16
24% 16x16, 53% 16x24



Versailles 5
20% 8x16, 20% 16x16, 60% 16x24



Pinwheel 8
20% 8x8, 80% 8x16



Running Bond 24
100% 16x24

To view or print more patterns visit **calstone.com**

Quarry Stone *Circle*



Color: Sierra Granite

Beautiful Designs

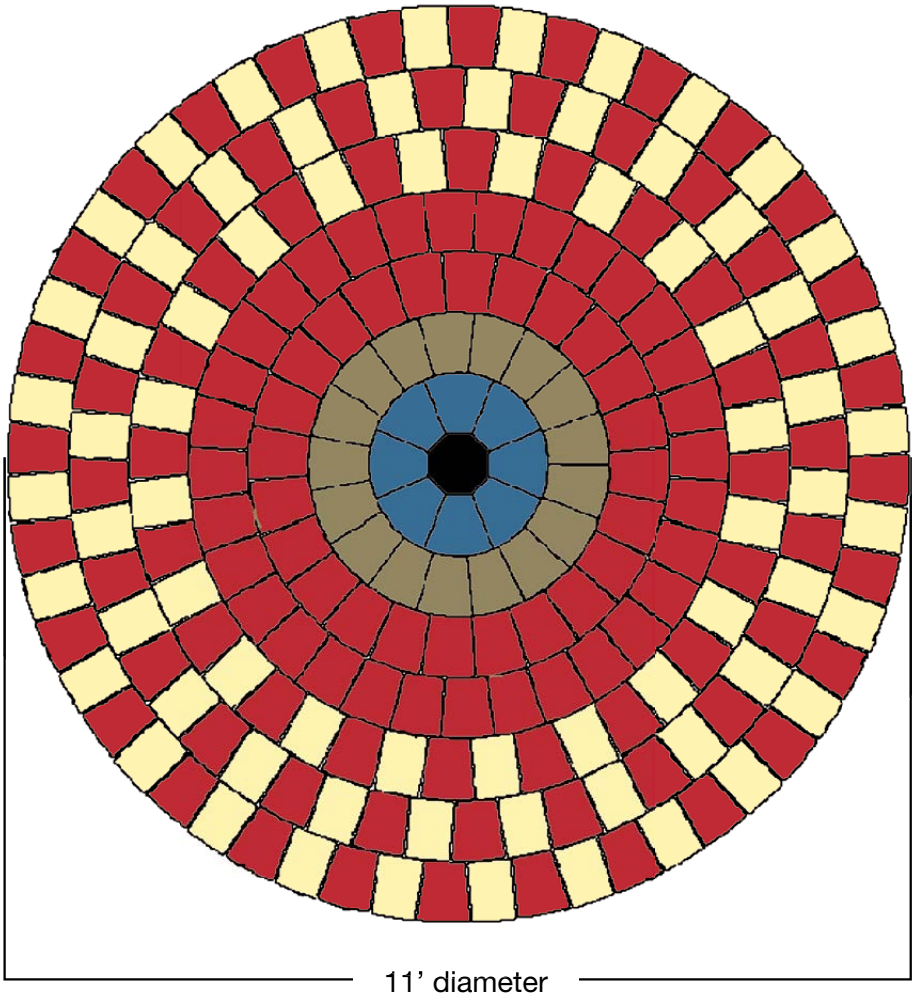
Complementing our very popular Quarry Stone product line is a beautiful circle accent with the matching texture, color, and feel, of natural stone. With its 11 foot diameter, this circle kit can be used to construct a stand-alone patio or to highlight a field of Quarry Stone pavers.

Color: Sunset Terracotta and Rustic Yellowstone

Installation Guide - Quarry Stone Circle
11’ Diameter - 97 Square Feet

Units	Names	Chart Color Key	Stones Per Pallet	Stones For Circle
	Center Stone		9	1
	Large Wedge		9	8
	Radius Wedge		18	17
	Small Wedge		135	128
	Rectangle		81	72

Diameter	Additional Rings	6x9 Quarry Stones Needed	Square Foot Needed
11.0	0	0	0
12.5	1	80	29
14.0	2	169	60
15.5	3	268	96
17.0	4	376	134
18.5	5	493	176
20.0	6	620	221
21.5	7	756	270
23.0	8	901	322
24.5	9	1056	377
26.0	10	1220	436
27.5	11	1393	498
29.0	12	1576	563
30.5	13	1768	631



11’ diameter

Technical Installation Details

For Additional Rings:
When the diameter of the circle exceeds 11 feet, 6x9 Quarry Stones are used for additional rings. For each additional ring add 1.5 feet to the diameter. The number of additional square feet of 6x9 Quarry Stones is calculated as follows:

$$(d/2)^2 \times 3.14 - 97 =$$

additional square feet of 6x9 Quarry Stones where d = diameter of circle (*see chart above*)

Note:
The gaps between stones in circle kits vary in size and are generally larger than with linear patterns.

Belgian Stone



Hand Chiseled Feel

Reminiscent of historic villages from around the world, Belgian Stone emulates hand chiseled stone tempered by centuries of civilization. With its natural edges, and semi-smooth, nearly flat surface, Belgian Stone delivers a romantic old world elegance to any paving project while remaining comfortable under foot.

Color: **Oak Barrel Gray** (***used as permeable***)
Pattern: **Running Bond**

Color: **Sierra Granite**
Pattern: **Running Bond**

Belgian Stone



Color: **Chaco Canyon**
Pattern: **Random**

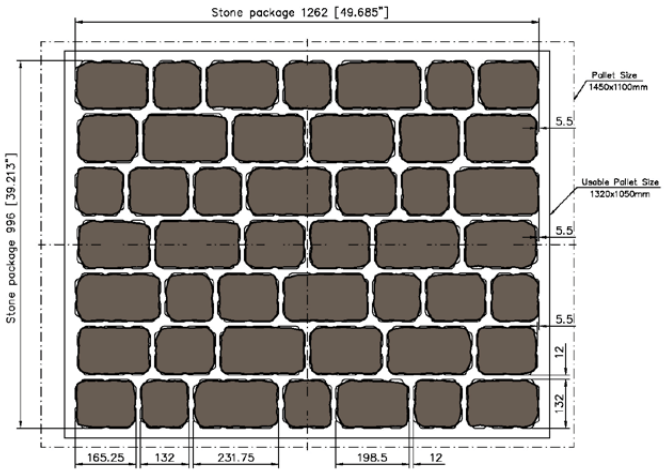
Color: **Oak Barrel Gray**
(***used as permeable***)
Pattern: **Running Bond**

Product Details - Belgian Stone

Sizes	Nominal Size	Stone FT²	Stones Pallet	FT² Pallet
	5.2 x 5.2 (60mm)	5.3	108	20
	5.2 x 6.5 (60mm)	4.2	108	26
	5.2 x 7.8 (60mm)	3.5	90	26
	5.2 x 9.1 (60mm)	3.0	108	36
Total Pallet			**414**	**108**

Pallet Layer Detail - Belgian Stone

Note: 9 Layers Per Pallet



Colors - Belgian Stone



Oak Barrel Gray



Cameron Cream



Sequoia Sandstone



Chaco Canyon



Sierra Granite

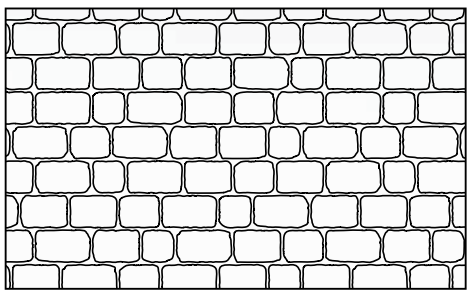


Rustic Yellowstone

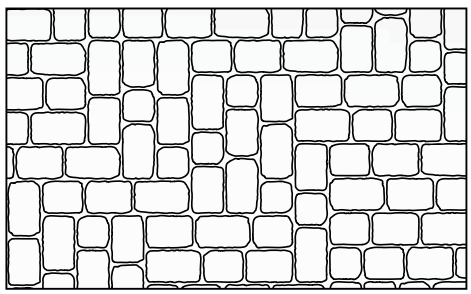
Installation Note: Belgian Stone is designed with a wider joint, we recommend using Polymeric joint sand; approximately 20 square feet per 50 pound bag of polymeric sand.

Belgian Stone can be used as permeable for residential applications.

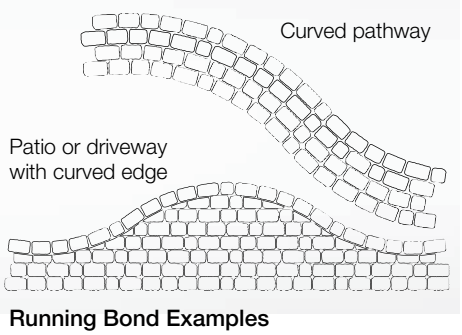
Patterns - Belgian Stone



Running Bond



Random



Running Bond Examples

Classic Cobble

Old-World Charm

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

Color: **Tan Red Charcoal**
Pattern: **Old Town III**

Colors *Classic Cobble and Classic Cobble Circle*



Gray Charcoal Tan



Gray Charcoal



Tan Brown Charcoal



Tan Brown (Special Order)



Green Charcoal



Cream Tan Brown



Brown Beige Charcoal



Tan Red Charcoal



Tan Charcoal

- 6x9 Solid charcoal available for borders.

Classic Cobble

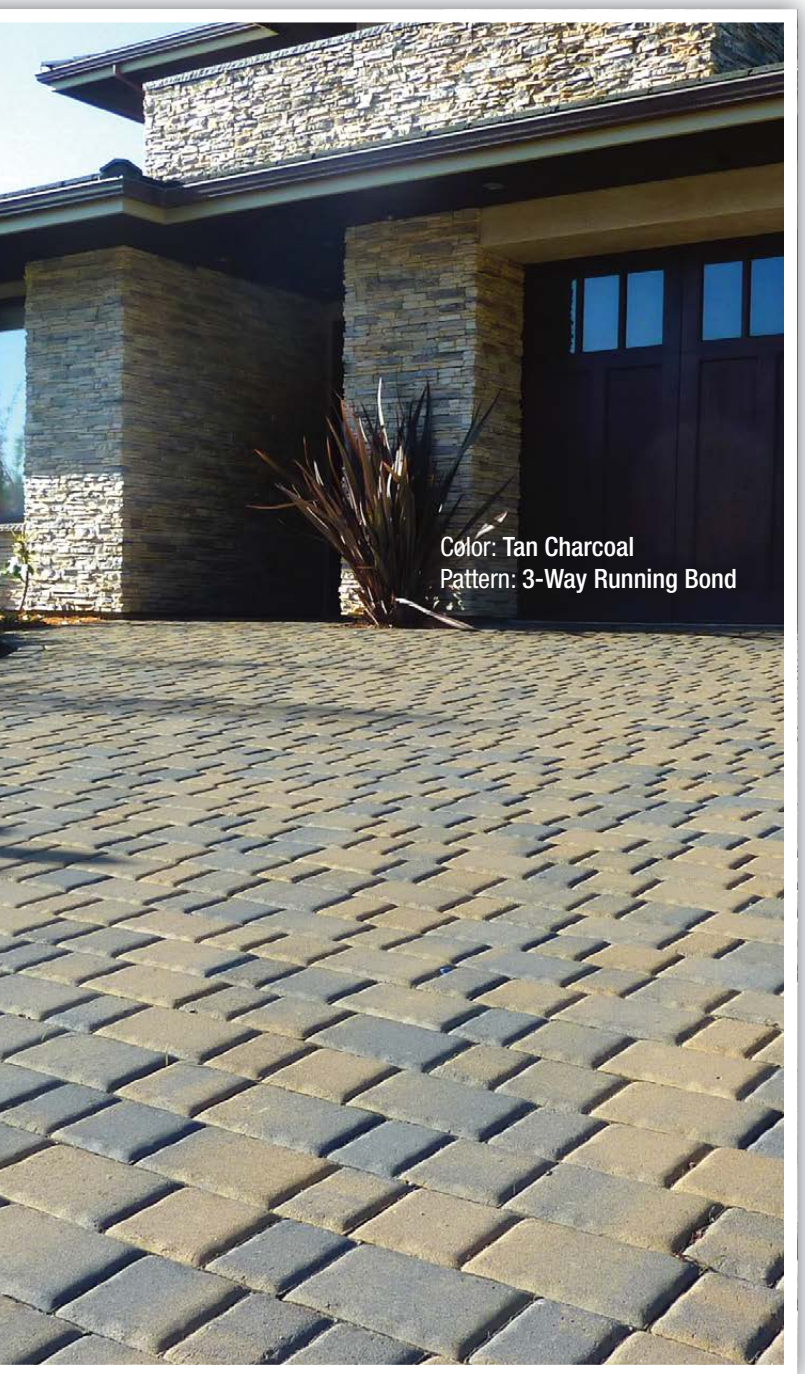
Color: **Cream Tan Brown**
Pattern: **Old Town II**



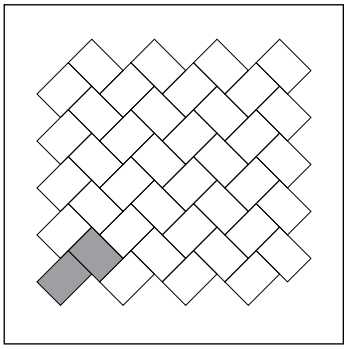
Color: **Gray Charcoal Tan**
Pattern: **Running Bond**

Product Details - Classic Cobble

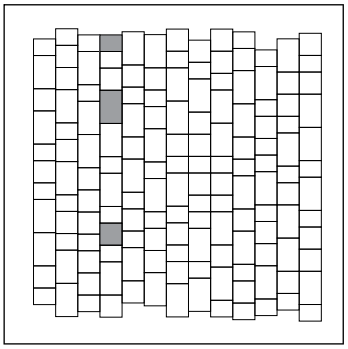
Sizes	Nominal Size	Stone FT²	Stones Pallet	FT² Pallet
	**Small:** 6 x 4 1/2 (60mm)	5.5	576	105
	**Medium:** 6 x 6 (60mm)	4.1	432	105
	**Large:** 6 x 9 (60mm)	2.8	270	98
	**Mega:** 9 x 12 (60mm)	1.4	144	105



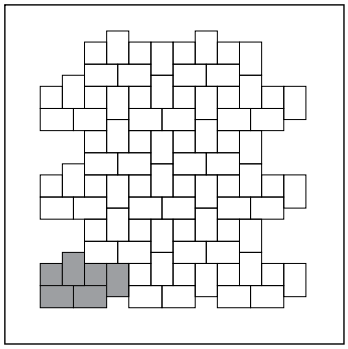
Patterns - Classic Cobble



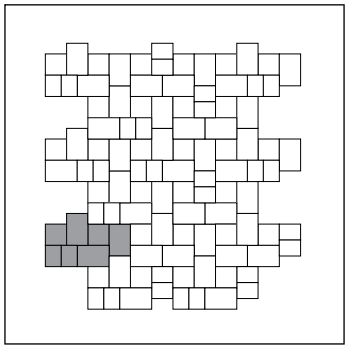
Herringbone 45 Degree
100% 6x9 or 100% 9x12



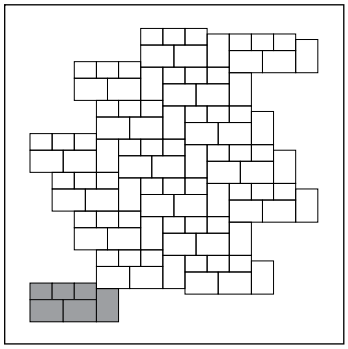
3-Way Running Bond
23% Small, 31% Medium, 46% Large



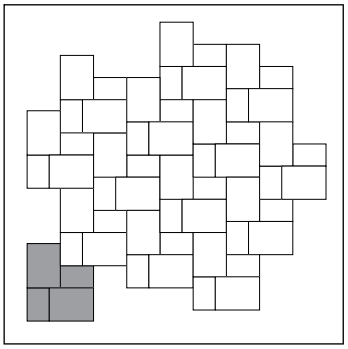
Old Town II
25% Medium, 75% Large



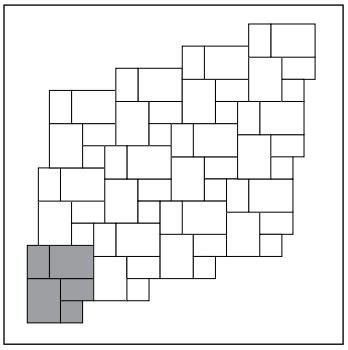
Old-Town Pattern III
20% Small, 25% Medium, 55% Large
(small cobble placed randomly)



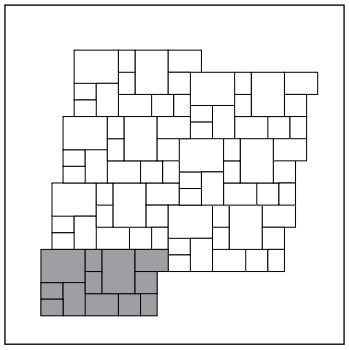
Two Way Parquet
33% Small, 66% Large



Mega Pattern 2
33% Large, 67% Mega



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



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

To view or print more patterns visit **calstone.com**

Classic Cobble *Circle*



Color: Gray Charcoal

Flowing Designs

Our Classic Cobble Circle is comprised of five different shapes allowing you to create circles, sweeping curves, and geometric patterns. Used as an accent only, or as the basis of your entire hardscape project, Classic Cobble Circle can unify and enhance architectural elements with beautiful flowing designs.



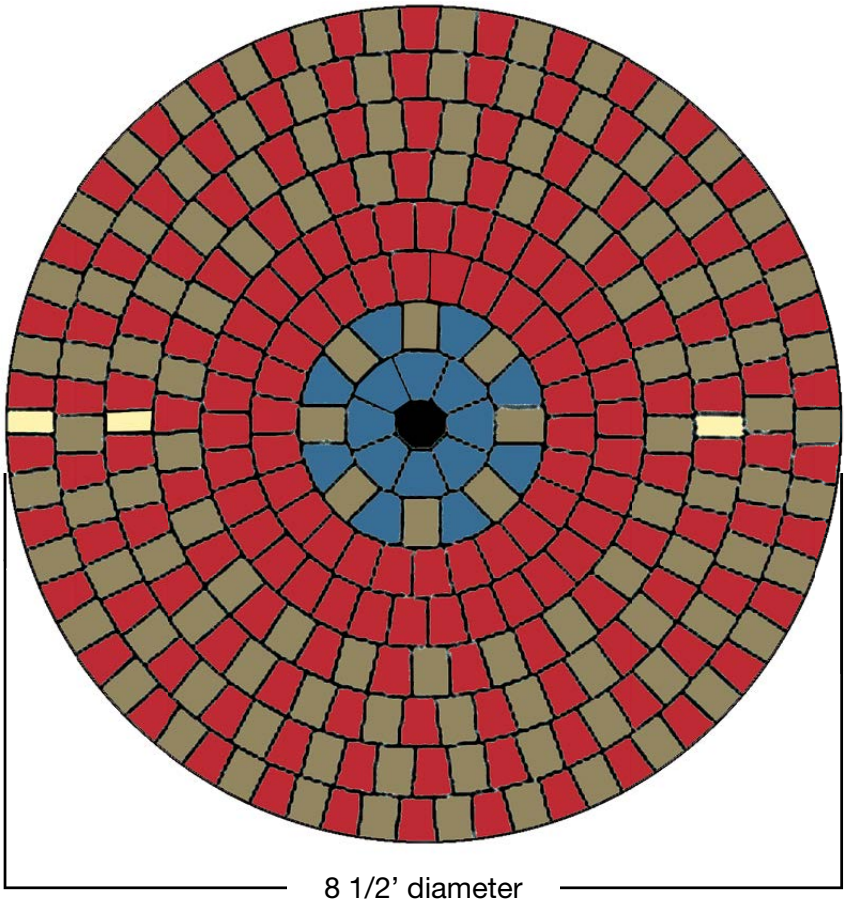
Color: Tan Charcoal

Color: Tan Charcoal

Installation Guide - Classic Cobble Circle
8 1/2” Diameter - 57 Square Feet

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

Diameter	Additional Rings	Small Cobble Stones Needed	Square Foot Needed
8.5	0	0	0
9.5	1	80	15
10.5	2	168	31
11.5	3	265	48
12.5	4	370	67
13.5	5	483	88
14.5	6	605	110
15.5	7	735	134
16.5	8	873	159
17.5	9	1020	185
18.5	10	1175	214
19.5	11	1338	243
20.5	12	1510	275
21.5	13	1690	307



Technical Installation Details

For Additional Rings:
When the diameter of the circle exceeds 8 1/2 feet, Small Cobble stones are used for additional rings. For each additional ring add 1 foot to the diameter. The number of additional square feet of Small Cobble stones is calculated as follows:

$$(d/2)^2 \times 3.14 - 57 =$$

additional square feet of Small Cobble stones where d = diameter of circle (*see chart above*)

Note:
The gaps between stones in circle kits vary in size and are generally larger than with linear patterns.

Antiqued Cobble

Aged by Time

Antiqued Cobble makes a rustic cobblestone impression. These unique paving stones will help you create the natural look and feel of a surface that has been aged by time and the elements.



Color: Tan Red Charcoal

Color: Tan Charcoal
Pattern: Large Running Bond

Colors *Antiqued Cobble*



Gray Charcoal Tan



Gray Charcoal



Tan Brown Charcoal



Tan Brown (Special Order)



Green Charcoal



Cream Tan Brown



Brown Beige Charcoal



Tan Red Charcoal



Tan Charcoal

- To reproduce the look and feel of natural stone, our antiqued paving stones intentionally contain random imperfections such as chips, cracks, and broken corners.
- 6x9 solid charcoal available for borders.

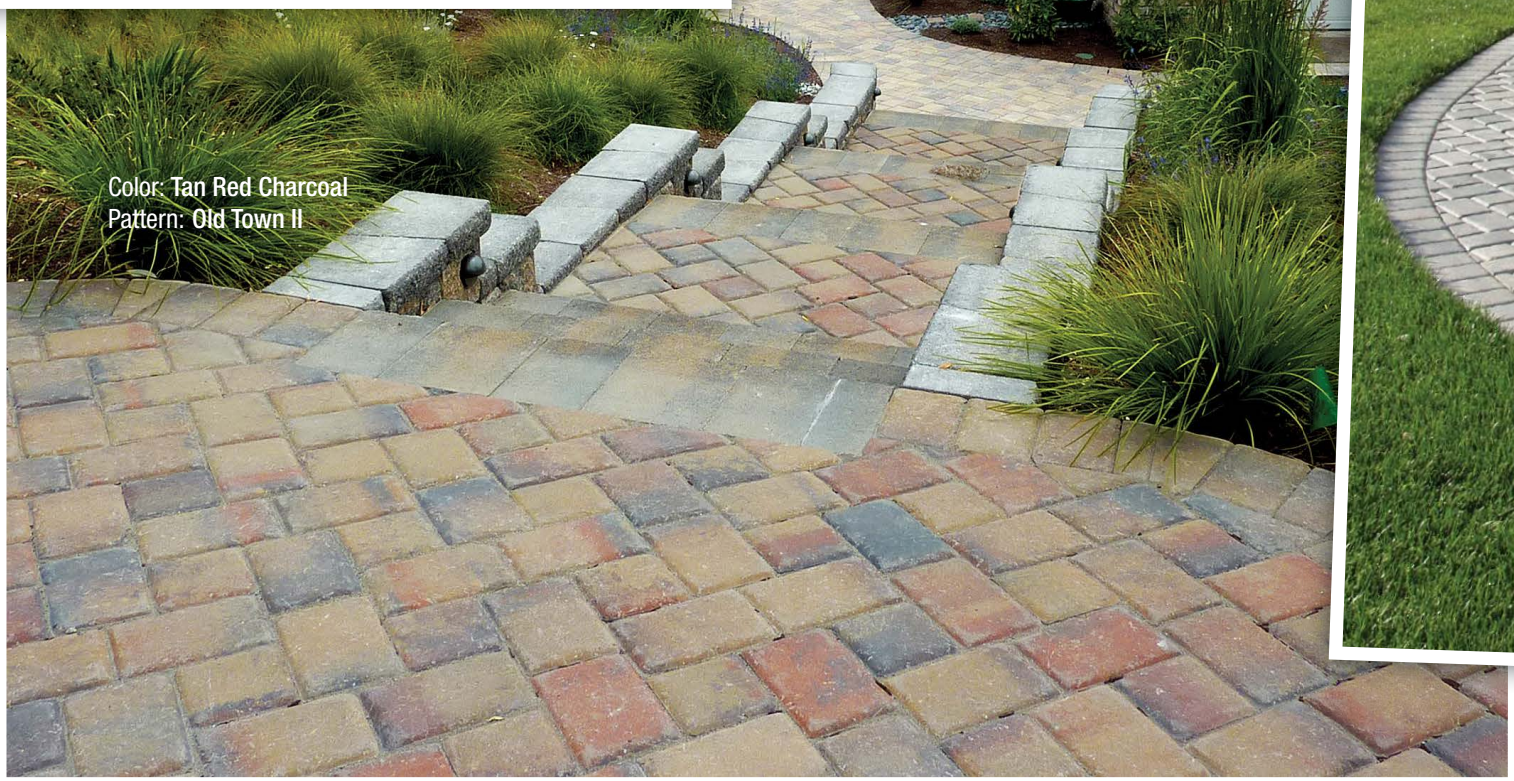
Antiqued Cobble



Color: **Gray Charcoal**
Pattern: **6x6 and 6x9 Running Bond**

Color: **Cream Tan Brown**
Pattern: **Mega 4**

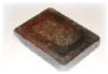




Color: **Tan Red Charcoal**
Pattern: **Old Town II**

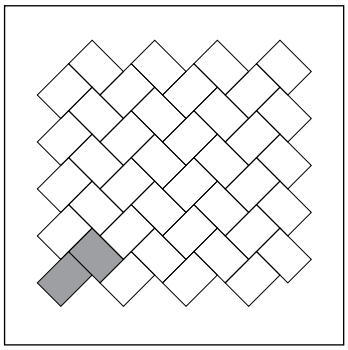


Product Details - Antiqued Cobble

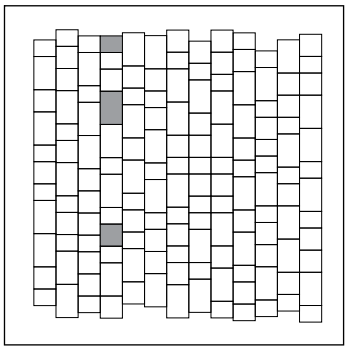
Sizes	Nominal Size	Stone FT²	Stones Pallet	FT² Pallet
	**Small:** 6 x 4 1/2 (60mm)	5.5	576	105
	**Medium:** 6 x 6 (60mm)	4.1	432	105
	**Large:** 6 x 9 (60mm)	2.8	270	98
	**Mega:** 9 x 12 (60mm)	1.4	144	105



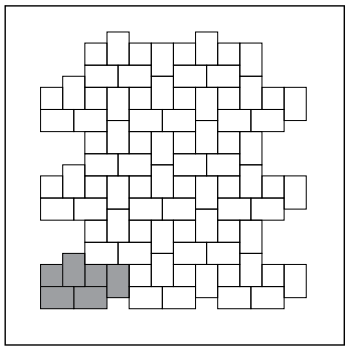
Patterns - Antiqued Cobble



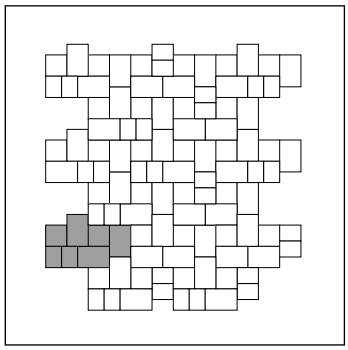
Herringbone 45 Degree
100% 6x9 or 100% 9x12



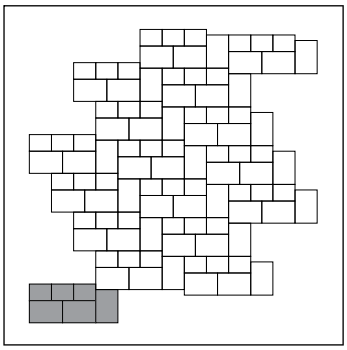
3-Way Running Bond
23% Small, 31% Medium, 46% Large



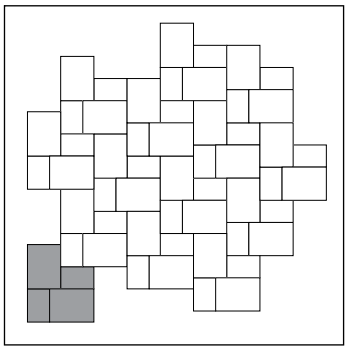
Old Town II
25% Medium, 75% Large



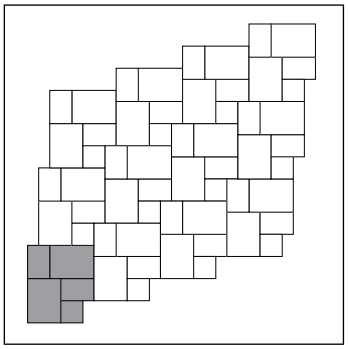
Old-Town Pattern III
20% Small, 25% Medium, 55% Large
(small cobble placed randomly)



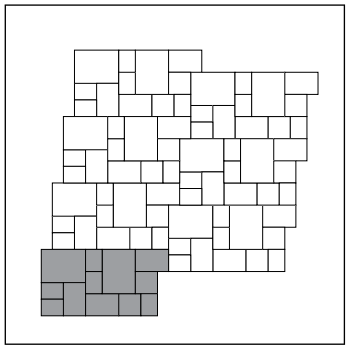
Two Way Parquet
33% Small, 66% Large



Mega Pattern 2
33% Large, 67% Mega



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



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

To view or print more patterns visit **calstone.com**

Mission

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

Modern Lines

Design flexibility and modern lines make the Mission Series an excellent choice. Whether you use them for accent banding or in one of the many versatile patterns, Mission Series paving stones allow endless options of color and form.



Color: **Brown Beige Charcoal**
Pattern: **Mission 3**

Colors *Mission Series*



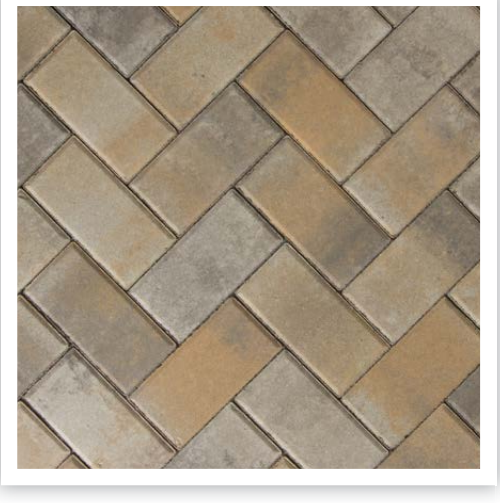
Brown Beige Charcoal



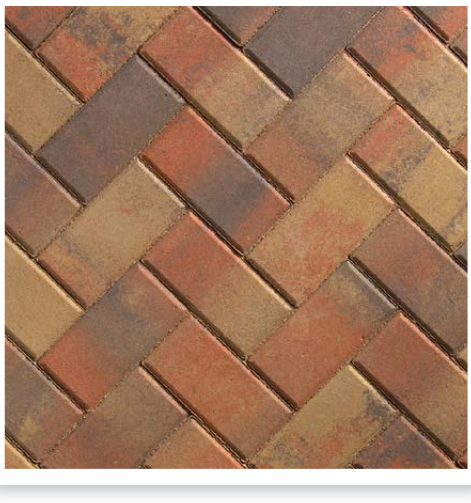
Gray Charcoal



Tan Brown Charcoal



Gray Charcoal Tan



Tan Red Charcoal



Cream Tan Brown



Tan Brown (Special Order)



Green Charcoal (Special Order)



Tan Charcoal (Special Order)

- 4x8 and 6x6 solid charcoal available for borders.

Antiqued Mission

Color: **Tan Charcoal with Gray Charcoal**
Pattern: **Haviland**



European Charm

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

Color: **Cream Tan Brown**
Pattern: **Mission 3**

Colors *Antiqued Mission Series*



Brown Beige Charcoal



Gray Charcoal



Tan Brown Charcoal



Gray Charcoal Tan



Tan Red Charcoal



Cream Tan Brown



Tan Brown (Special Order)



Green Charcoal (Special Order)



Tan Charcoal (Special Order)

- To reproduce the look and feel of natural stone, our antiqued paving stones intentionally contain random imperfections such as chips, cracks, and broken corners.
- 4x8 and 6x6 solid charcoal available for borders.

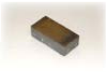
Antiqued Mission

Color: **Tan Charcoal; with Gray Charcoal**
Pattern: **Haviland**



Color: **Cream Tan Brown**
Pattern: **Mission 3**

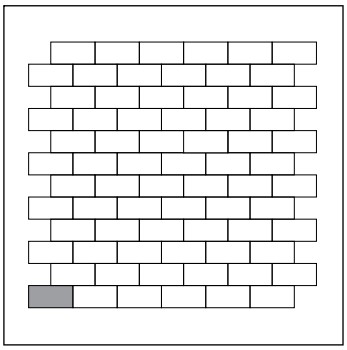
Product Details - Mission & Antiqued Mission

Units	Nominal Dimensions	Stone FT²	Stones Pallet	FT² 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

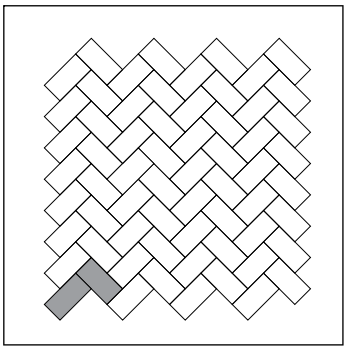
**Also available with 80 mm thickness*



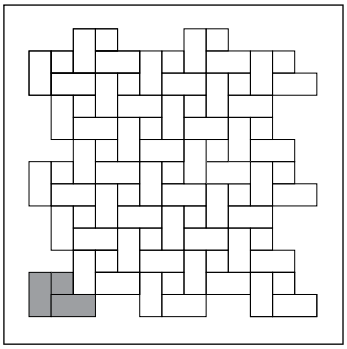
Patterns - Mission & Antiqued Mission



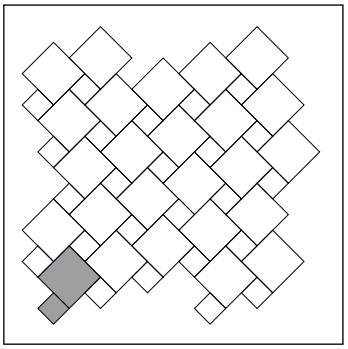
Running Bond
100% 4x8 or 100% 6x12



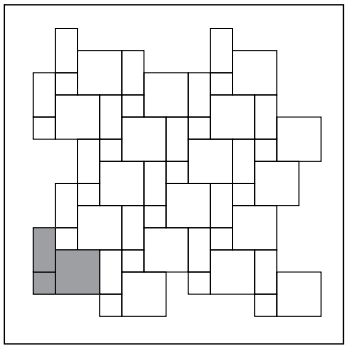
Herringbone 45 Degree
100% 4x8 or 100% 6x12



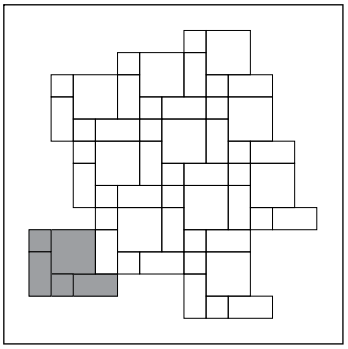
Pinwheel 6
20% 6x6, 80% 6x12



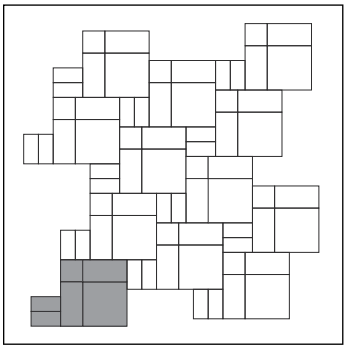
Linen
20% 6x6, 80% 12x12



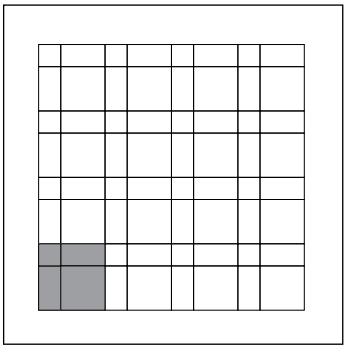
Haviland
14% 6x6, 29% 6x12, 57% 12x12



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



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



Varozza
10% 6x6, 45% 6x12, 45% 12x12

To view or print more patterns visit **calstone.com**

Symetry

Truly Unique

Symetry combines the elegance of inlaid European tile designed to last a lifetime. Symetry is ideal where a truly unique paving design is desired. Complex geometric patterns and the patented "offset" shape are designed to provide maximum interlock between units, adding strength and stability. Beautiful creations await you with Symetry.

Symetry is available in Tan Red Charcoal.
See special order color choices on page 26.

Color: Tan Red Charcoal
Pattern: Palace Parquet

Product Details - Symetry

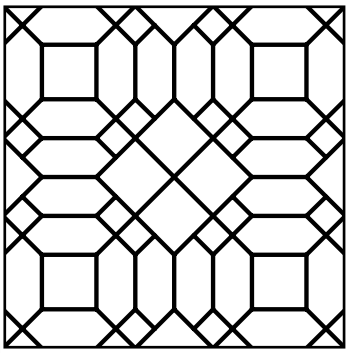
Units	Nominal Dimensions	Stone FT²	Stones Pallet	FT² Pallet
	6 x 6 (60mm)	4.1	432	105
	4 x 10 (60mm)	3.5	320	93

4 x 10 is only stocked in Tan Red Charcoal.
Colors shown on page 26 can be special ordered.

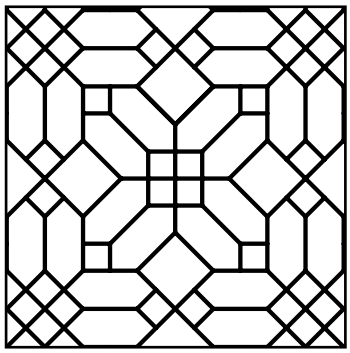


Color: Gray Charcoal
Pattern: Venitian Parquet

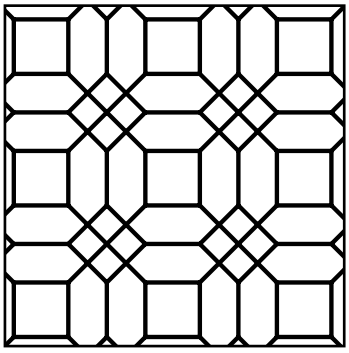
Patterns - Symetry



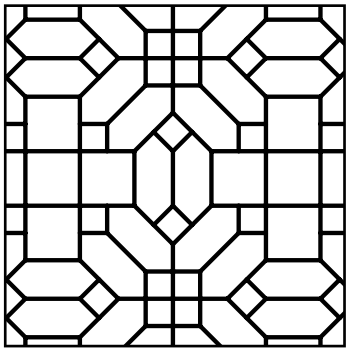
Grand Parquet
34% Symetry Square
66% Symetry



Palace Parquet
17% Symetry Square
83% Symetry



Venetian Parquet
17% Symetry Square
83% Symetry



Pattern 7
25% Symetry Square
75% Symetry



Thru-Mix

The Economical Choice

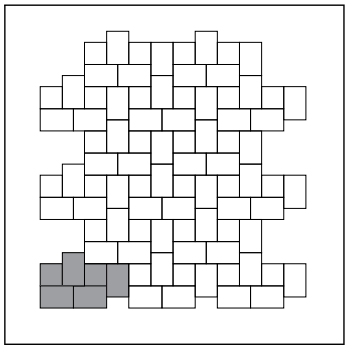
Thru-mix paving stones are made utilizing a simplified manufacturing process that reduces cost. Thru-Mix paving stones may be an appropriate choice for applications that do not require the superior surface texture, color vibrancy, and long term wear characteristics of our premium DuraFace paving stones.

Product Details - Thru-Mix

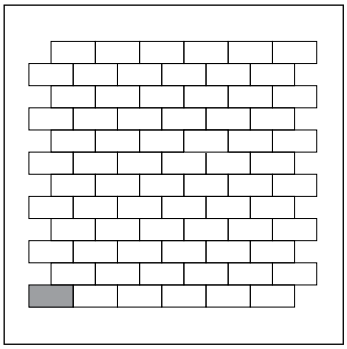
Units	Nominal Dimensions	Stone FT^2	Stones Pallet	FT^2 Pallet
	6 x 6 (60mm)	4.1	432	105
	6 x 9 (60mm)	2.8	270	98



Patterns - Thru-Mix



Old Town II
25% 6 x 6, 75% 6 x 9



Running Bond
100% 6 x 6 or 100% 6 x 9

Colors - Thru-Mix



Gray-Blend



Tan-Blend

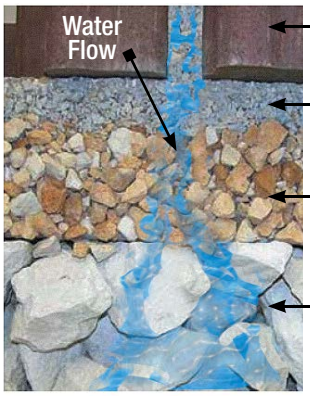
Permeable

Environmentally Friendly

Permeable pavers help the environment by protecting the quality of the water supply. They reduce the amount of storm water runoff entering natural waterways, which helps reduce contaminants and pollutants in the water supply. Permeable pavers also help with erosion control and flooding issues.

See your color choices on page 4.

Style: Permeable Quarry Stone
Color: Rustic Yellowstone



3 1/8 in. (80 mm) thick Calstone Permeable Pavers

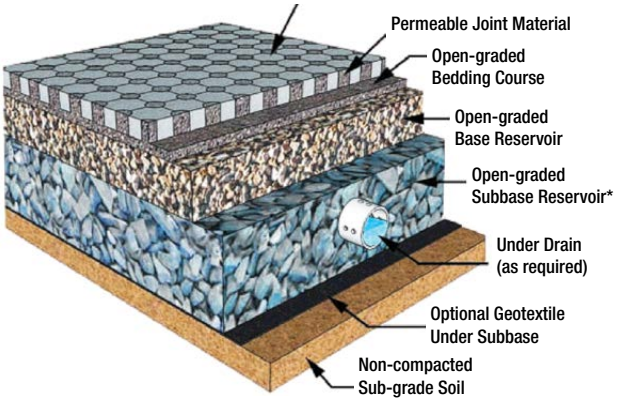
Open-graded bedding course

Open-graded base course (OGB)

Open-graded subbase on non-compacted soil subgrade*

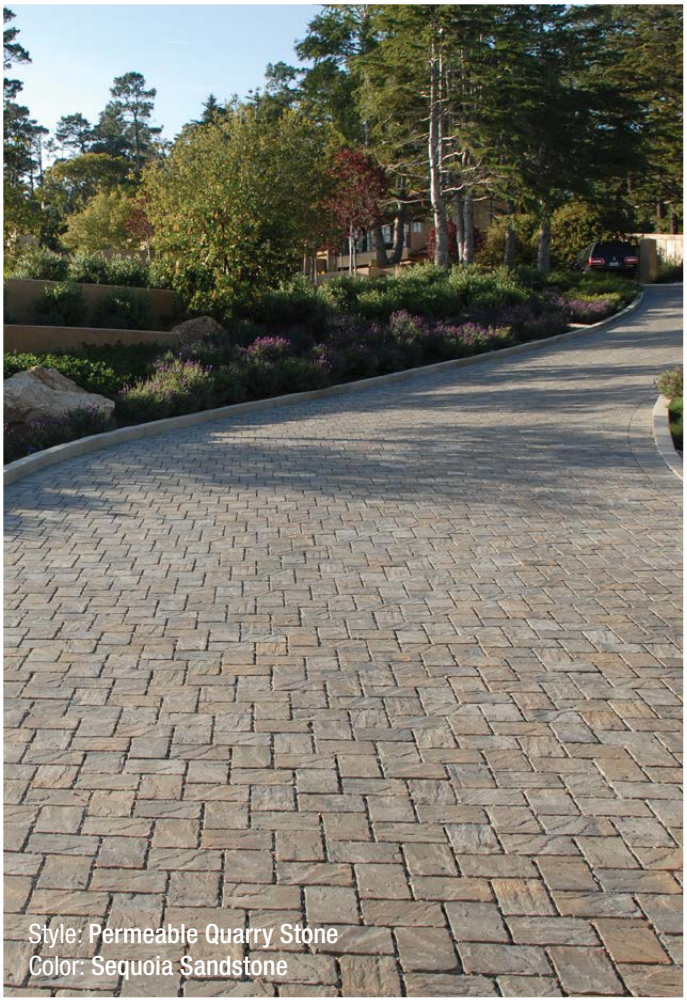
Permeable interlocking concrete pavement (PICP) with open-graded base and subbase for infiltration and storage.

Calstone Concrete Permeable Pavers



Typical cross (PICP) cross section

** Open graded subbase may not be needed in residential applications.*



Style: Permeable Quarry Stone
Color: Sequoia Sandstone

Product Details - Permeable

Sizes	Nominal Size	Stone FT²	Stones Pallet	FT² Pallet
	6 x 9 (80mm)	2.75	210	87
	4 x 8 (80mm)	4.7	400 full / 24 halfs	88

Our 6x9 is now being stocked in Cameron Cream, Chaco Canyon, Sequoia Sandstone, Oak Barrel Gray, Rustic Yellowstone, & Sierra Granite. All 4x8 and other 6x9 colors are special order.



Style: Belgian Stone
(*used as permeable*)
Color: Oak Barrel Gray



Style: Permeable Quarry Stone
Color: Sierra Granite



Product Details - Turfstone II

Unit	Nominal Dimensions	Stone FT²	Stones Pallet	FT² Pallet
	12 x12 (80mm)	1.0	120	120

Turfstone is available in gray or it can be special ordered in Tan or Green.

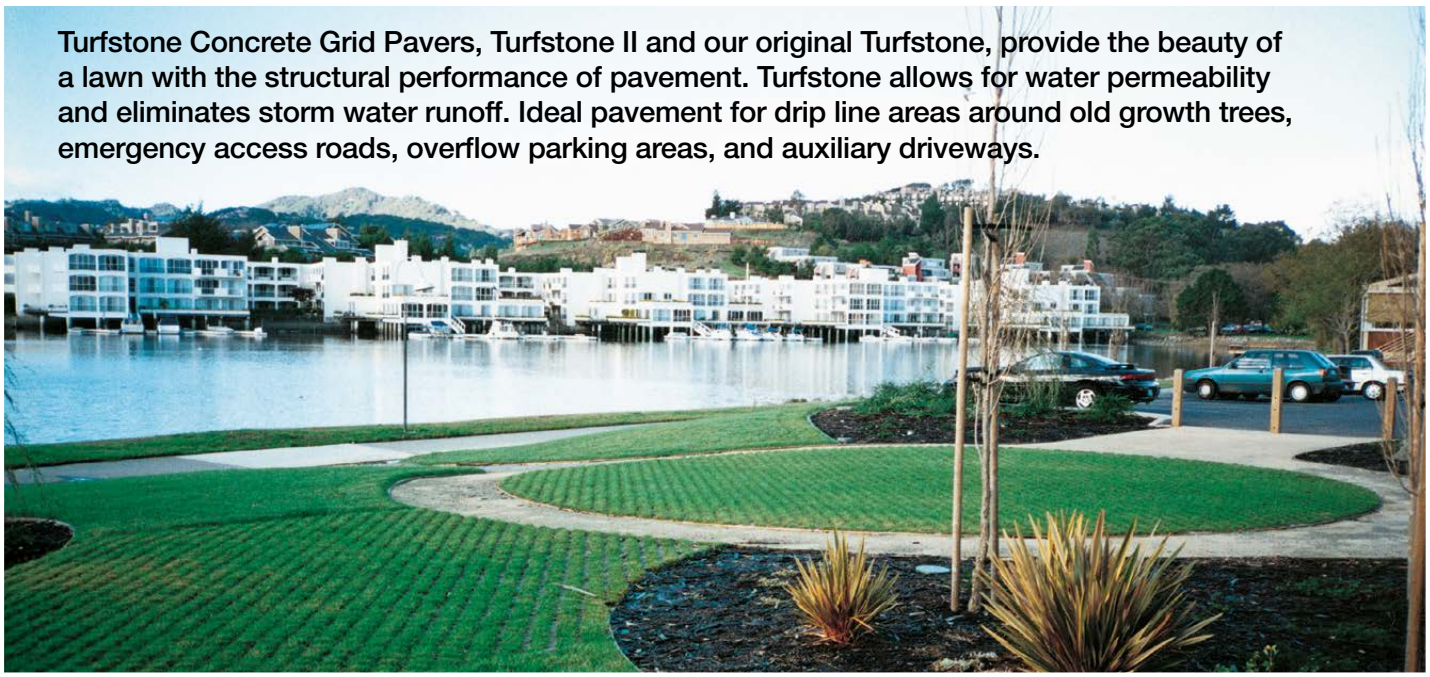
Product Details - Original Turfstone

Unit	Nominal Dimensions	Stone FT²	Stones Pallet	FT² Pallet
	16 x 24 (80mm)	0.39	50	129



Original Turfstone is available in gray or tan.

Turfstone Concrete Grid Pavers, Turfstone II and our original Turfstone, provide the beauty of a lawn with the structural performance of pavement. Turfstone allows for water permeability and eliminates storm water runoff. Ideal pavement for drip line areas around old growth trees, emergency access roads, overflow parking areas, and auxiliary driveways.



Bull Nose

Edge of Perfection

Make your project perfect from beginning to end with these accent pavers, perfect for pool coping, step treads or for bordering a raised patio.



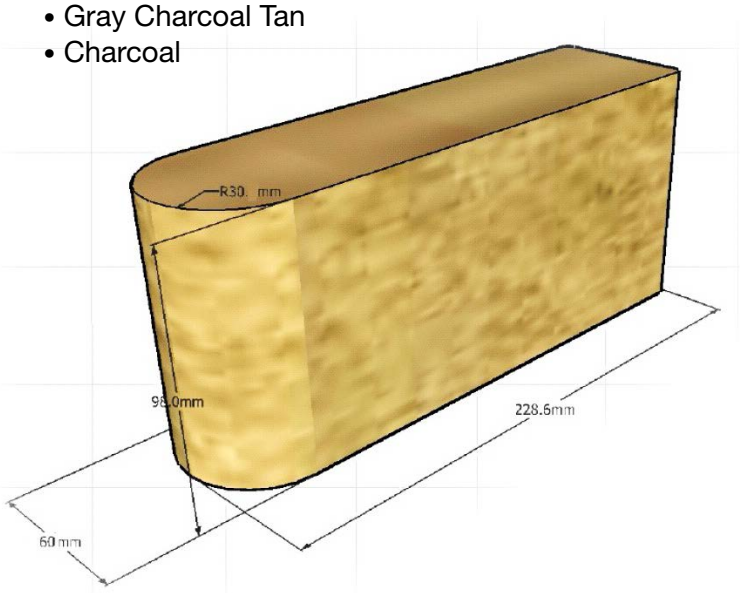
Color: Antiqued Gray Charcoal

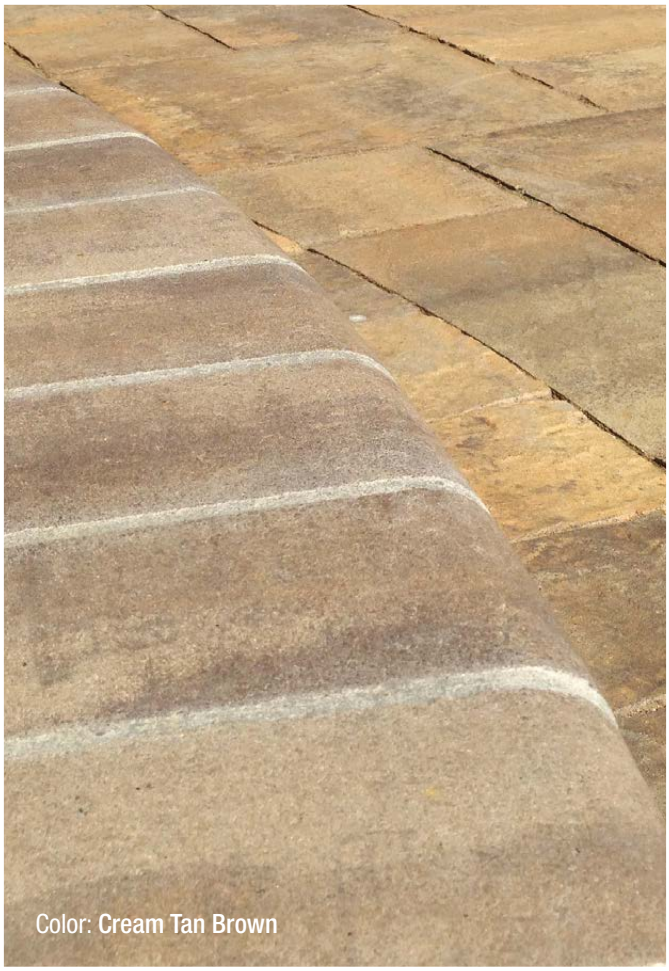
Product Details - Bullnose

Unit	Nominal Dimensions	Stone FT^2	Stones Pallet	FT^2 Pallet
	4” x 9” (60mm)	3.0	360	120

Available Colors

- Gray Charcoal
- Cream Tan Brown
- Tan Brown Charcoal
- Tan Charcoal
- Gray Charcoal Tan
- Charcoal
- Green Charcoal
- Tan Brown (Special Order)
- Tan Red Charcoal
- Brown Beige Charcoal





Color: Cream Tan Brown

Roman Stone

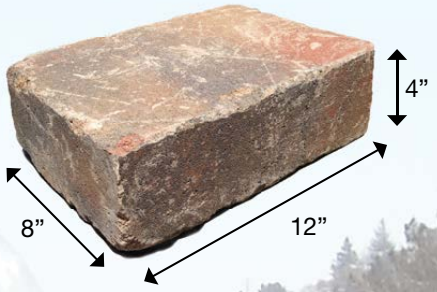
Limitless Versatility

The weathered appearance of Roman Stone is a great alternative to expensive natural stone products. Roman Stone is available in nine unique blended colors designed to complement our full line of pavers.

Applications

- Barbecues
- Fireplaces
- Steps & Stairs
- Columns
- Fire Pits
- Garden Planters
- Seating Walls
- Water Features

Roman Stone Unit Dimensions



Colors *Roman Stone and Bull Nose*



Cream Tan Brown



Gray Charcoal



Tan Charcoal



Green Charcoal



Brown Beige Charcoal



Gray Charcoal Tan



Tan Red Charcoal



Tan Brown Charcoal



Tan Brown (Special Order)

- To reproduce the look and feel of natural stone, Roman Stone intentionally contains random imperfections such as chips, cracks, and broken corners.

Roman Stone



Water Feature
Color: Tan Charcoal



BBQ, Water Fountain, and Seating Walls
Color: Green Charcoal

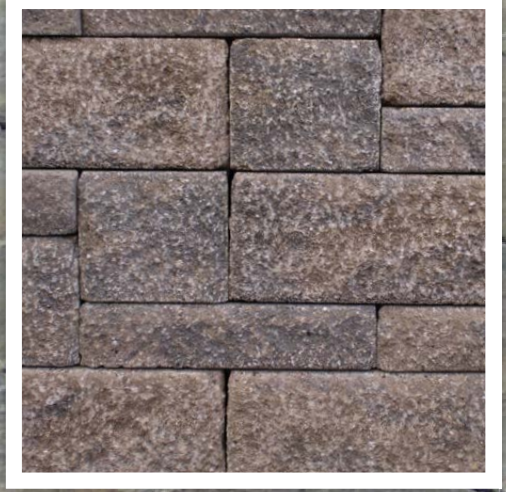

Seating Wall
Color: Green Charcoal
Fire Pit
Color: Gray Charcoal


Curbing
Color: Cream Tan Brown

Retaining Walls
AB Europa® Collection
Create Old World Structures

allanblock.com

Specifications and dimensions are approximate. Check with your Calstone AB Representative for exact details. Color samples are for reference only, view an actual sample before making a final selection.



Brown Charcoal



Gold Brown



Tan Charcoal



AB Dover
6 degree setback - 72 lbs.
1.0 sq. ft. coverage (approx.)
8” H x 12” D x 18” L



AB Barcelona
6 degree setback - 40 lbs.
0.5 sq. ft. coverage (approx.)
4” H x 12” D x 18” L



AB Palermo
6 degree setback - 34 lbs.
0.5 sq. ft. coverage (approx.)
8” H x 10” D x 9” L



AB Bordeaux
6 degree setback - 17 lbs.
0.25 sq. ft. coverage (approx.)
4” H x 12” D x 9” L



AB Europa Capstones
54 lbs. per pair
1.4 Linear ft. per pair
4” H x 12” D x 10”/7” L

Retaining Walls
AB® Collection

Beauty, Integrity, Performance

allanblock.com

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Brown Charcoal



Gold Brown



Tan Charcoal

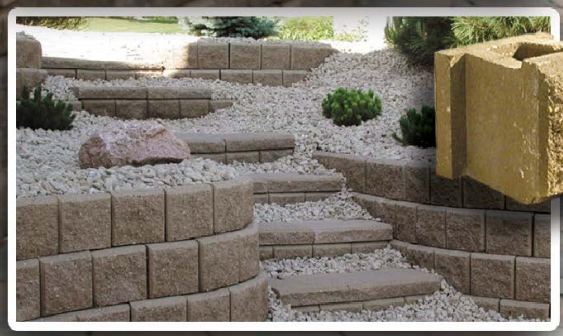
AB Classic, Corner, and Cap units are also available in solid Tan and Gray.



AB Stone (*in Tan or Gray only*)
12 degree setback - 72 lbs.
1.0 sq. ft. coverage (approx.)
8” H x 12” D x 18” L



AB Classic
6 degree setback - 72 lbs.
1.0 sq. ft. coverage (approx.)
8” H x 12” D x 18” L



AB Jumbo Jr.
6 degree setback - 34 lbs.
0.5 sq. ft. coverage (approx.)
8” H x 10” D x 9” L



AB Lite Stone
6 degree setback - 40 lbs.
0.5 sq. ft. coverage (approx.)
4” H x 12” D x 18” L



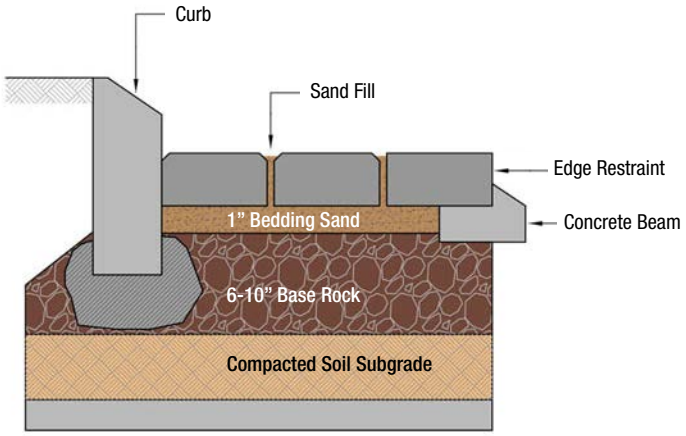
AB Junior Lite
6 degree setback - 17 lbs.
0.25 sq. ft. coverage (approx.)
4” H x 12” D x 9” L



AB Cap
54 lbs. per unit
1.5 Linear ft. per piece
4” H x 12” D x 18” L

FAQ

What does a typical paving stone installation cross section look like? *See Sample Below:*



What are Calstone Interlocking Concrete Paving Stones?

Calstone pavers are individual precast concrete units. They are manufactured in our technologically advanced facilities in Northern California. Our specialized manufacturing process provides 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. Poured-in-place concrete has a psi of between 1,500 and 2,500. That means a Calstone paver is more than three times stronger than a poured concrete driveway or patio.

How do the pavers interlock?

Regardless of which Calstone paver shape, color, or pattern you choose, installation involves interlocking the pavers with joint sand. This 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 soils. Maintenance and repairs (if required) are simplified because no mortar is used in the installation process.

The basic installation process works like this: 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.

Why do my pavers have variations on the surface?

Some of your pavers may have slight surface variations. These are de-molding marks, and they occur in a small percentage of the paving stones. This is normal and is part of the manufacturing process that gives the stones individuality.

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

Use an 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. We recommend that you use course angular sand as the bedding course and a slightly finer angular sand as the joint sand.

What type of sand do I need to use under pavers?

Use a course, hard, angular washed sand conforming to ASTM C-33 (washed concrete sand). This type of sand will not deteriorate over time and will drain water well. DO NOT use stone dusts, limestone screenings, loam, rounded/fine sands, or decomposed granite.

Would it be better to mortar the pavers into place?

No. Setting the pavers in wet mortar or concrete eliminates the flexibility and superiority of sand-set installation and will prevent interlock.

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 Americans with Disabilities Act.

How do I cut pavers?

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

Why are some of my pavers scuffed?

Pavers become scratched and scuffed, or "bruised", in many ways before and during installation. These marks are normal and will disappear over time. Common causes are abrasion during transportation, handling scratches during placement, and scuffing during and the vibration compaction process. The vibration compaction process is likely the most stress the pavers will ever see. To minimise compaction scuffing Calstone offers a Paver Pad that can be mounted to the compactor to eliminate steel to paver contact.

Can I lay pavers over my existing asphalt or concrete?

Yes, you can, but only under certain conditions. First, the existing pavement must be in good condition. If the existing pavement is in poor condition (major cracks, heaving, settling, potholes, etc.), it is wiser to start over and build the base system up properly.

It is also important to check whether there is enough threshold clearance to accept a 2 3/8" thick paver plus the 1" sand bedding course.

Another consideration when installing over an existing surface is whether the pavers can be successfully joined to meet other existing pavements such as garage surfaces and sidewalks.

If you find that your existing pavement meets these conditions, follow the normal installation methods with a few additions:

- Add a woven geotextile fabric over the existing pavement and under the sand bedding course. This will protect the sand from migrating into existing or future cracks and failures of the previous pavement.
- Use an adequate edge restraint to hold the pavers and sand bedding course in place (this may require additional construction outside the area of existing pavement).
- Remove enough of the existing pavement to allow the pavers to gradually taper down to adjoining surfaces. Also excavate enough material to allow proper thickness and compaction of base material to support anticipated traffic.
- Ensure that the bedding sand layer has proper drainage.

Do I need to seal Calstone pavers?

Sealing is optional, but sealing the pavers does have some advantages. Sealing your pavers can:

- Make cleanup of oil, food, or vegetation stains easier.
- Help stabilize the joint sand and prevent it from being washed out by rain or heavy cleaning.
- Help prevent efflorescence from occurring or recurring.
- Help prevent vegetation growth.
- Intensify color characteristics.

You can seal your pavers immediately after completion of installation or at any time in the future, provided the pavers are clean and the weather is dry. Although pavers may appear dry on the surface, it is very important to wait the prescribed drying time before the application of the sealer.

Will weeds or grass grow in the joints between pavers?

If the pavers were installed properly using the recommended materials and installation methods, you have created a sterile environment that will not allow weeds to grow through the pavers or their joints. Sometimes seeds may land on top of the joints and start growing in any organic material that has built up there. If this happens, you can normally pull these weeds out very easily or remove them with a topical weed killer spray.

What is that white stuff on my pavers?

Occasionally some pavers may develop a whitish residue called efflorescence. Efflorescence is a natural by-product of 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. If efflorescence is present, it will wear off over the course of time due to traffic and the elements. To speed up the removal of efflorescence, Calstone recommends using Aldon Paver Restore.
Any efflorescence should be removed prior to sealing.

Where do I find paving stone installation guidelines?

For proper installation procedures visit: **www.icpi.org/Calstone**
Choose Tech Spec #2 (Construction of Interlocking Concrete Pavements).

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 will 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 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.



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.



Pave Tech Paver Pad

The Paver Pad is a specially formulated urethane rubber, universal mat (22" x 30") that can be trimmed to the size of almost any compactor plate. It is designed to help reduce damage to the textured surface of the paving stones.

About Us

CALSTONE
Because Quality Matters

Calstone has serviced Northern California with high-quality concrete masonry and landscaping products for more than 65 years. Established in 1948 in San Carlos, Calstone now operates four state-of-the-art manufacturing facilities in Sunnyvale, Galt, San Martin, and Tracy. These regional manufacturing locations enable us to provide our products as far north as Eureka, as far south as Fresno, and as far east as Reno.

Calstone produces over 600 varieties and sizes of concrete masonry, landscaping products, and custom-made units—making us a leader in paving stone design and innovation. New equipment and new molds are frequently added to keep pace with improvements and design changes in the industry, and our patent-pending color manufacturing process is second to none.

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. Our plants can operate 24 hours a day, and in emergency situations we can deliver cured Calstone product 24 hours after manufacture. Deliveries are made by our own fleet of trucks or by our dealers' delivery and service vehicles.

Our management participates in industry associations such as California Concrete Masonry Association (CMACN), National Concrete Masonry Association (NCMA), Interlocking Concrete Pavement Institute (ICPI), and a host of local organizations.

Service is Calstone's hallmark, and our customer relations policies stem from our strong family-run business ethic that spans three generations. Our highly qualified customer service and sales staff are on call to answer any questions you may have. Support is provided by a select group of building products distributors, and technical assistance is provided to contractors and architects when needed. Management is also readily available to answer any of your questions.

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

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



calstone.com

CALSTONE

Because Quality Matters

Calstone takes a great deal of pride in manufacturing the highest quality concrete products. Because of this commitment, Calstone will guarantee our interlocking concrete pavers and retaining walls against manufacturing defects, including cracking and breaking, for as long as you own your home.

This guarantee does not apply to splitting, chipping or other breakage that could be caused by impact abrasion or overloading. This warranty is only valid if the material is installed under the guidelines of the ICPI and NCMA installation guidelines. This warranty is for residential construction only. Calstone's obligation is limited to the supplying of new material at no charge. Calstone will not be responsible for any replacement labor. Color matching cannot be guaranteed.

Matt Morey, *President*

Your Authorized Distributor: