

AMERICAN
MADE

Classic Series™
Holland Stone™

Sandstone Blend

Bethany Ledge Blend

Classic Red

Charcoal Blend

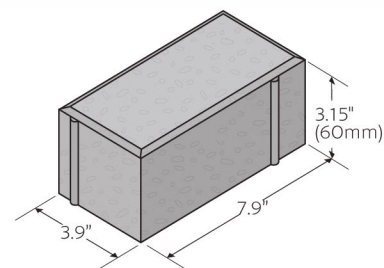
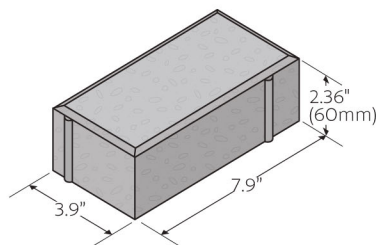
Limestone

Pecan

Slate

Terra Cotta Blend

Timberwood Blend



SIZE	UNITS /SQ. FT.	SQ. FT. PALLET /STRAP	UNITS PALLET /STRAP	WEIGHT /PALLET
3.9" x 7.9" x 2.36" (60 MM)	4.6	116/19.4	540/90	3,122 LBS
3.9" x 7.9" x 3.15" (80 MM)	4.6	96/16	432/72	3,361 LBS

Holland Stone™ has the renowned durability of interlocking paving stones, yet offers the old world charm of a simple brick shape in paving. This simple rectangular stone can be applied in a number of fascinating patterns (like the popular herringbone pattern) to produce warm, luxurious textures. Mix these patterns with any of the available standard colors or combination of colors and you've got the potential for an architectural effect only your imagination can limit.

ROMANSTONE
HARDSCAPES®

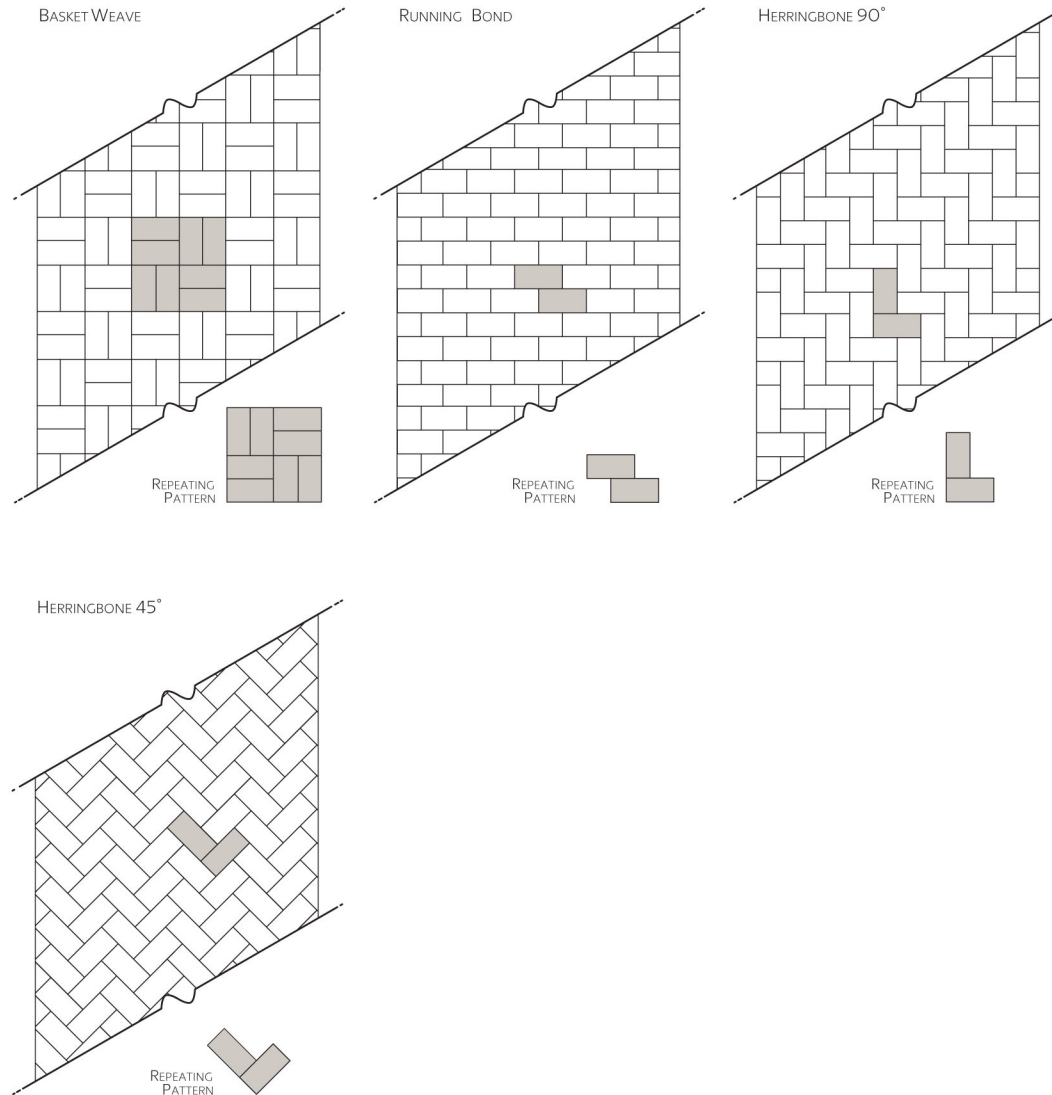


Specifications

Holland Stone™ is produced using a “no-slump” concrete mix, made under extreme pressure and high frequency vibrations. Unit pavers will meet or exceed the requirements established in the ASTM C936 (standard specification for interlocking concrete paving units). Requirements of this standard include an average compressive strength of 8,000 psi, average absorption no greater than 5%.

**AMERICAN
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Laying Patterns



Available at:

ROMANSTONE
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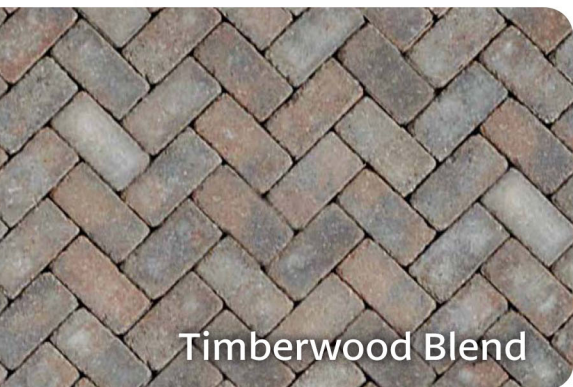
AMERICAN
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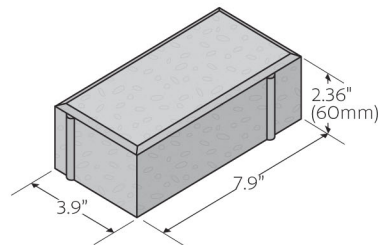
Century Series™ Holland Stone™



Bethany Ledge Blend



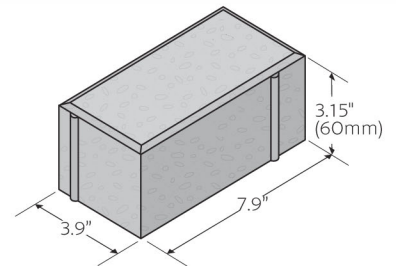
Timberwood Blend



SIZE
3.9" x 7.9" x 2.36" (60 MM)
3.9" x 7.9" x 3.15" (80 MM)

UNITS /SQ. FT.
4.6
4.6

SQ. FT. PALLET /STRAP
116/19.4
96/16



UNITS PALLET /STRAP
540/90
432/72

WEIGHT /PALLET
3,122 LBS
3,361 LBS

Take Holland Stone™ back in time with Century Series™. By tumbling the classic Holland Stone™ shape, you will add another dimension to your paving project. Century Series™ Holland Stone™ adds a softer, more comfortable feel to smaller spaces such as walkways and smaller backyard patios. Holland Stone™, always a classic choice.



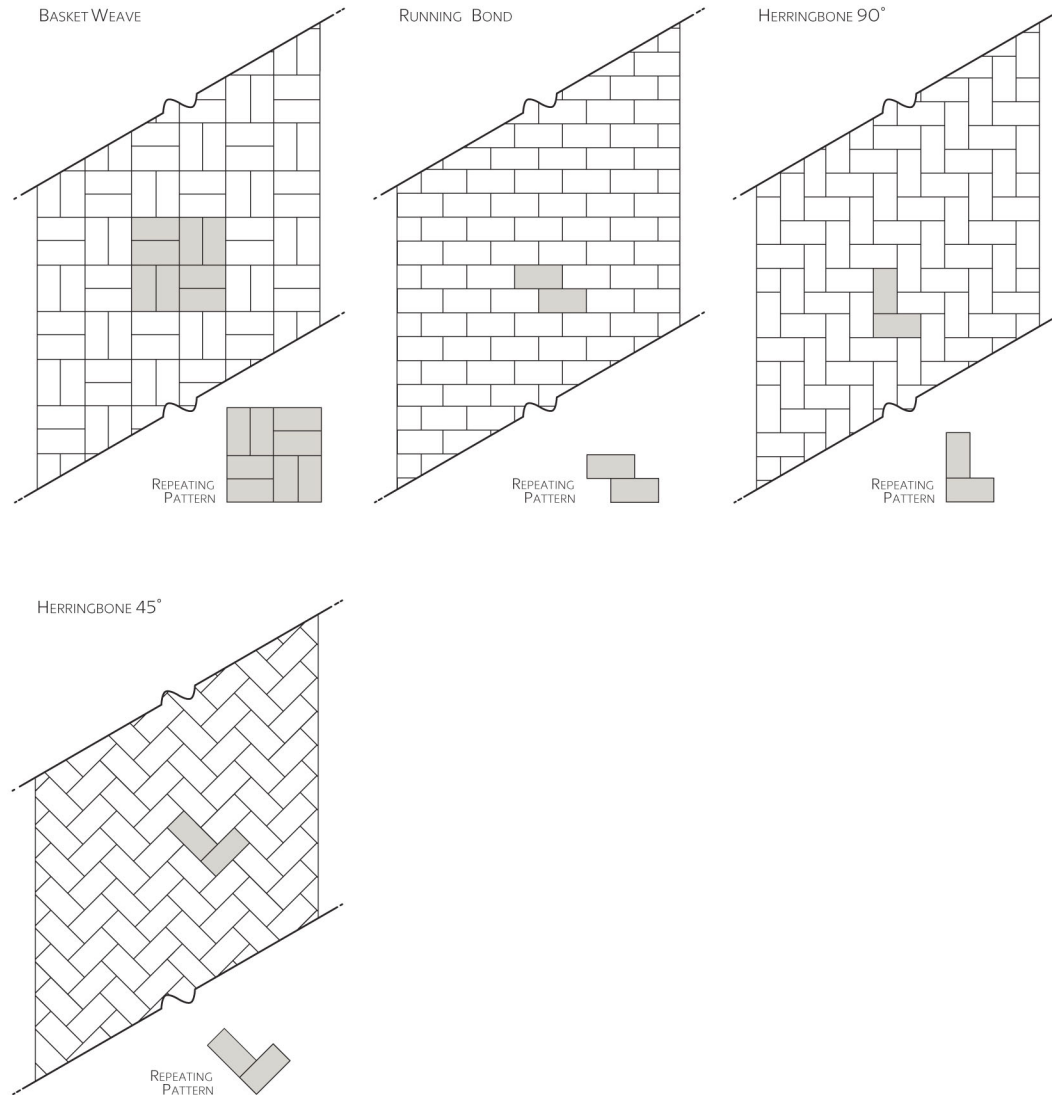
ROMANSTONE
HARDSCAPES®

Specifications

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**AMERICAN
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Laying Patterns



Available at:

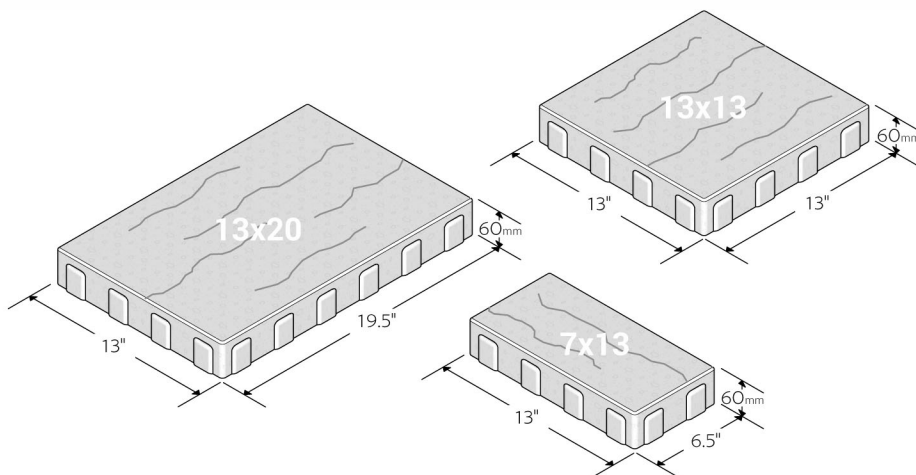
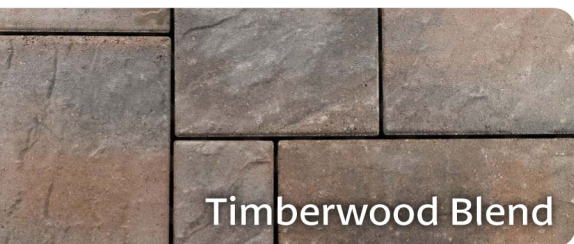
ROMANSTONE
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Classic Series™ Chatham Paver



SIZE	UNITS/SQ. FT.	SQ. FT. PALLET *	UNITS/PALLET *	WEIGHT /PALLET *
6.5" x 13" x 2.36" (60MM)	1.70	105	40	2,990 LBS
13" x 13" x 2.36" (60MM)	.853		40	
13" x 19.5" x 2.36" (60 MM)	.568		20	

*SOLD IN FULL PALLETS and 10.5 SF LAYERS ONLY

Chatham uses a bold surface texture paired with a larger scale to create a clean contemporary look for your outdoor space. The result is the most distinctive pavers in the RomanStone™ Classic series product line.



ROMANSTONE
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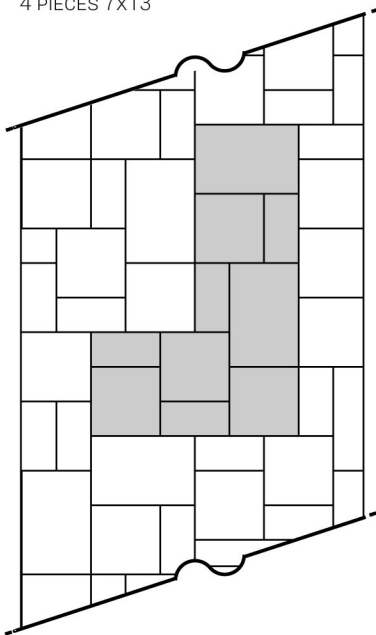
Specifications

Chatham is produced using a “no-s slump” concrete mix, made under extreme pressure and high frequency vibrations. Unit pavers will meet or exceed the requirements established in the ASTM C936 (standard specification for interlocking concrete paving units). Requirements of this standard include an average compressive strength of 8,000 psi, average absorption no greater than 5%.

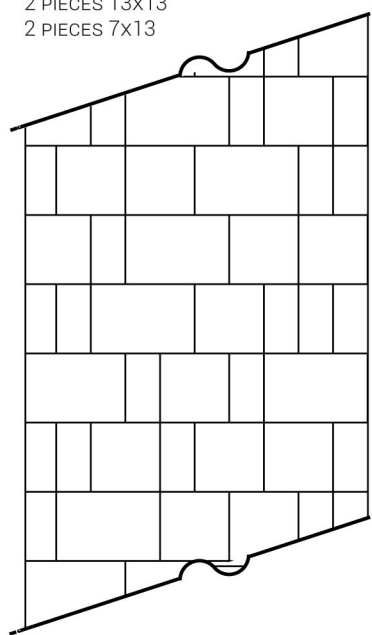
**AMERICAN
MADE**

Laying Patterns

REPEATING PATTERN 1
2 PIECES 13x20
4 PIECES 13x13
4 PIECES 7x13



13" RANDOM ROWS
PALLET RATIO:
1 PIECES 13x20
2 PIECES 13x13
2 PIECES 7x13



Important notes regarding Chatham pavers:

Always use a plate compactor with a pad when installing Chatham.

Chatham pavers are not recommended for vehicular traffic.



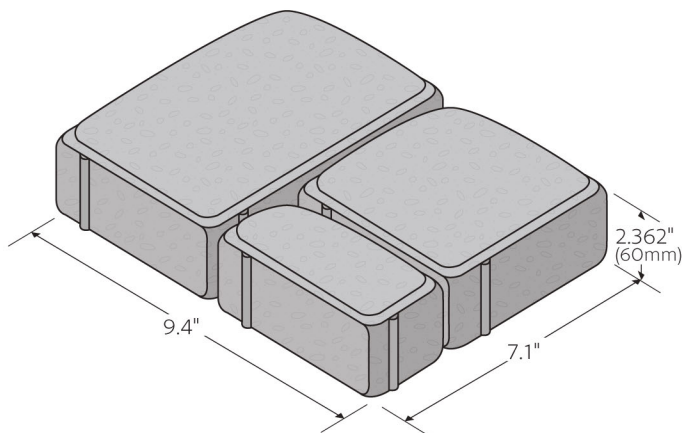
Available at:

ROMANSTONE
HARDSCAPES®



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Classic Series™
Cobble Stone™



Terra Cotta Blend

Timberwood Blend

SIZE	UNITS/SQ. FT.	SQ. FT. PALLET *	UNITS/PALLET *	WEIGHT /PALLET *
7.1" x 4.7" x 2.36" (60 MM)	4.31	108.5	180	2,990 LBS
2.4" x 4.7" x 2.36" (60 MM)	12.76		120	
4.7" x 4.7" x 2.36" (60 MM)	6.51		390	

*SOLD IN FULL PALLETS ONLY

This multi-sized paver incorporates rounded corners and chamfers, giving a unique, naturally aged and timeless look. The three different sizes allow for random laying patterns for a distinctive and antiqued look.

ROMANSTONE
HARDSCAPES®

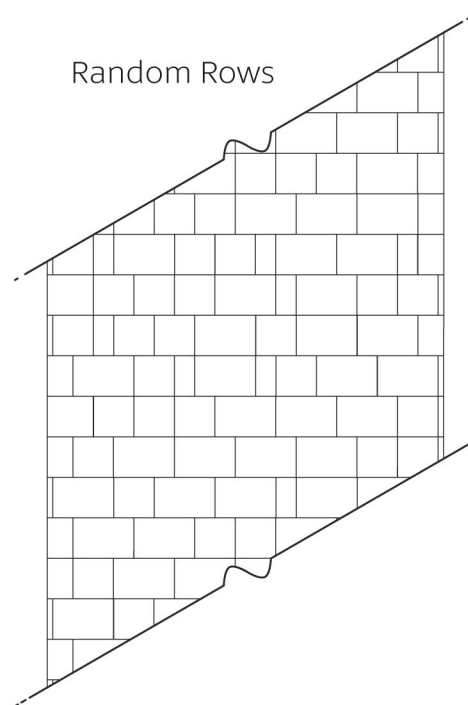
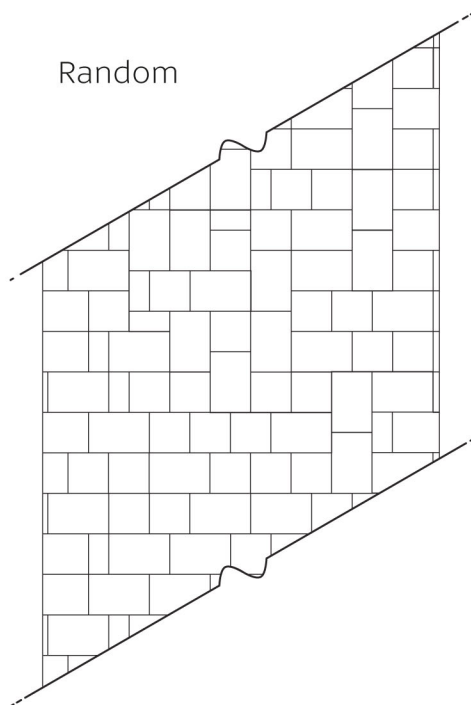


Specifications

Cobble Stone™ is produced using a “no-slump” concrete mix, made under extreme pressure and high frequency vibrations. Unit pavers will meet or exceed the requirements established in the ASTM C936 (standard specification for interlocking concrete paving units). Requirements of this standard include an average compressive strength of 8,000 psi, average absorption no greater than 5%.

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Laying Patterns



Installation Tip

Cobble Stone™ is intended to be laid in a true random pattern. To insure unit interlock, be sure to break the bond at least every 18" to 24". Avoid relying on the small unit. Only 8% of the pattern will be the small paver.



Available at:

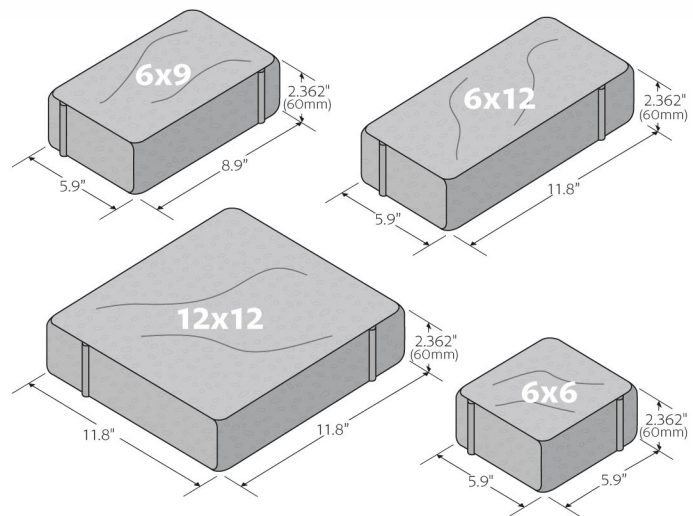
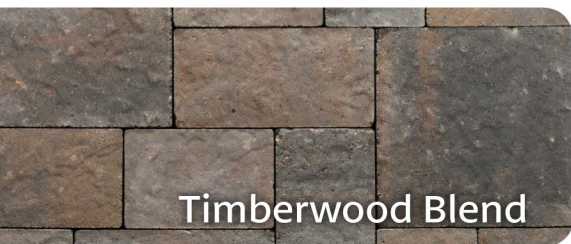
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Classic Series™ Ledge Rock™



SIZE	UNITS/SQ. FT.	SQ. FT./PALLET	UNITS/PALLET	WEIGHT /PALLET
5.9" x 5.9" x 2.36" (60MM)	4.13	104.6	432	2,783 LBS
5.9" x 8.9" x 2.36" (60MM)	2.75	109.0	300	3,000 LBS
5.9" x 11.8" x 2.36" (60MM)	2.07	116.3	240	3,161 LBS
11.8" x 11.8" x 2.36" (60MM)	1.03	116.3	120	3,141 LBS

Ledge Rock™ comes in four sizes complimentary sizes. Use them to create patterns or a completely random look. Ledge Rock™ has a cut stone appearance that complements any outdoor setting.



ROMANSTONE
HARDSCAPES®

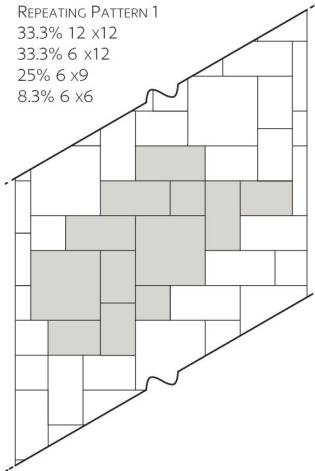
Specifications

Ledge Rock™ is produced using a “no-slump” concrete mix, made under extreme pressure and high frequency vibrations. Unit pavers will meet or exceed the requirements established in the ASTM C936 (standard specification for interlocking concrete paving units). Requirements of this standard include an average compressive strength of 8,000 psi, average absorption no greater than 5%.

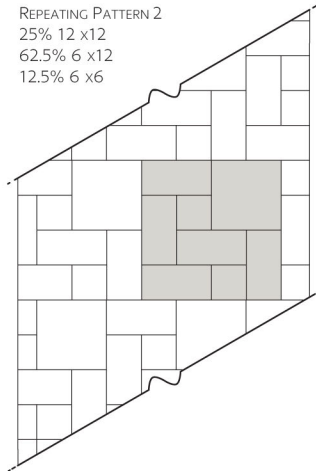
**AMERICAN
MADE**

Laying Patterns

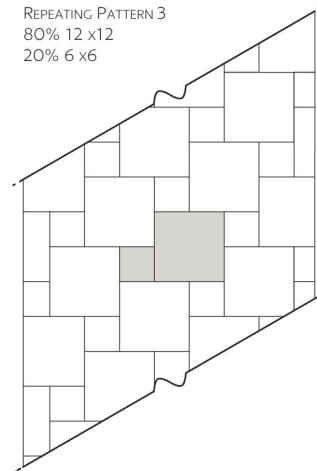
REPEATING PATTERN 1
33.3% 12 x12
33.3% 6 x12
25% 6 x9
8.3% 6 x6



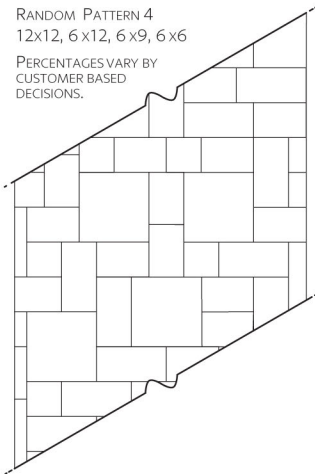
REPEATING PATTERN 2
25% 12 x12
62.5% 6 x12
12.5% 6 x6



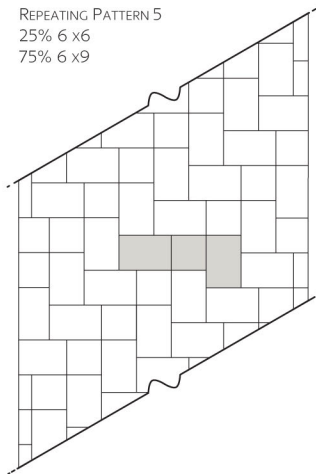
REPEATING PATTERN 3
80% 12 x12
20% 6 x6



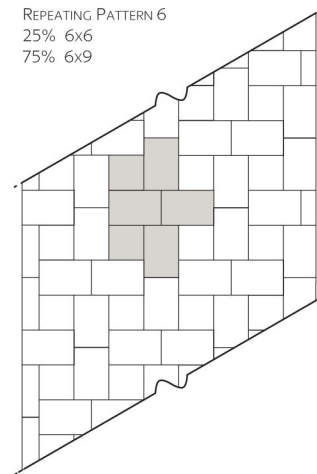
RANDOM PATTERN 4
12x12, 6 x12, 6 x9, 6 x6
PERCENTAGES VARY BY
CUSTOMER BASED
DECISIONS.



REPEATING PATTERN 5
25% 6 x6
75% 6 x9



REPEATING PATTERN 6
25% 6x6
75% 6x9



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Available at:



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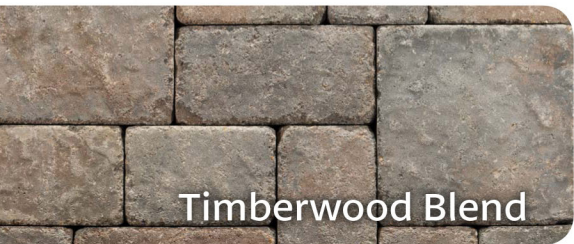
Century Series™ Ledge Rock™



Bethany Ledge Blend



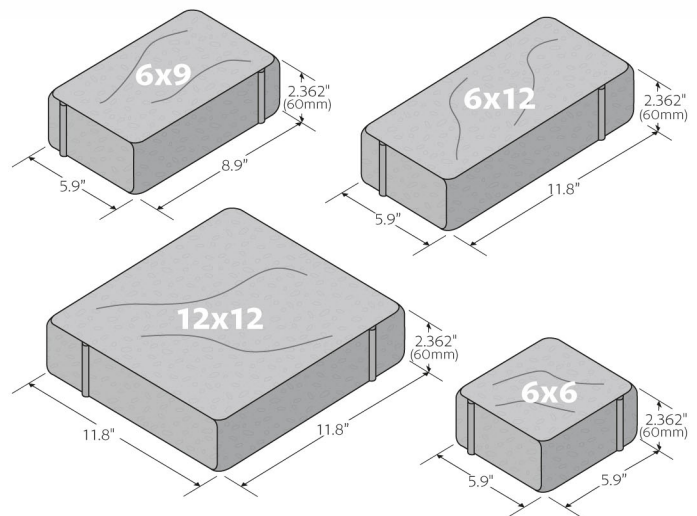
Charcoal Blend



Timberwood Blend



Sandstone Blend



SIZE	UNITS/SQ. FT.	SQ. FT./PALLET	UNITS/PALLET	WEIGHT /PALLET
5.9" x 5.9" x 2.36" (60MM)	4.13	108.5	448	2,886 LBS
5.9" x 8.9" x 2.36" (60MM)	2.75	101.7	280	2,800 LBS
5.9" x 11.8" x 2.36" (60MM)	2.07	108.5	224	2,951 LBS
11.8" x 11.8" x 2.36" (60MM)	1.03	108.5	112	2,932 LBS

Ledge Rock™ adds a subtle surface texture to traditional cobble paving stones. Tumbling the pavers accents their natural stone texture. The result is the most natural looking shapes offered in the Romanstone™ product line.



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HARDSCAPES®

Specifications

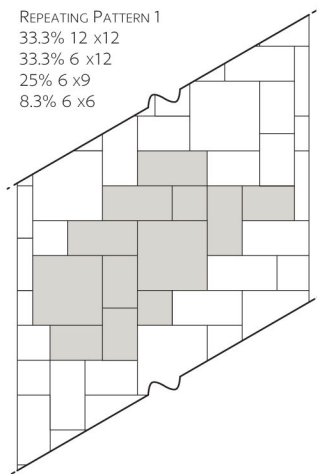
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Laying Patterns

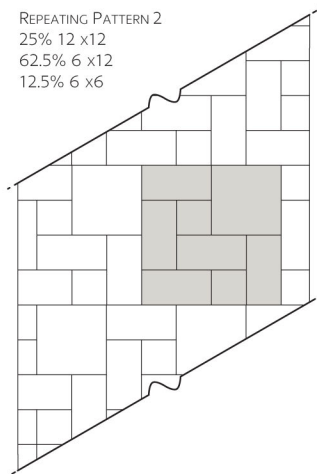
REPEATING PATTERN 1

33.3% 12 x12
33.3% 6 x12
25% 6 x9
8.3% 6 x6



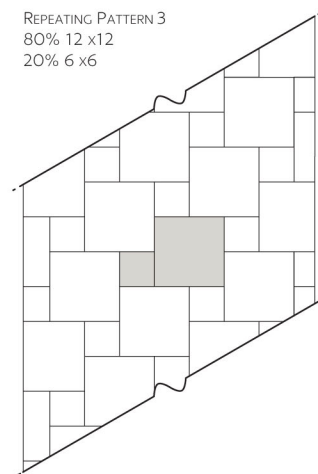
REPEATING PATTERN 2

25% 12 x12
62.5% 6 x12
12.5% 6 x6

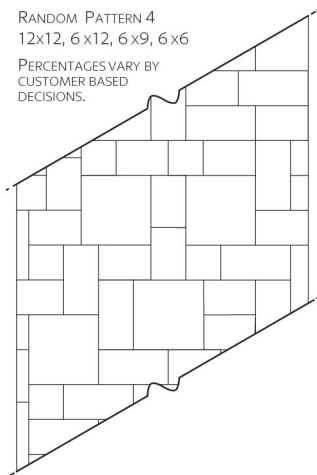


REPEATING PATTERN 3

80% 12 x12
20% 6 x6

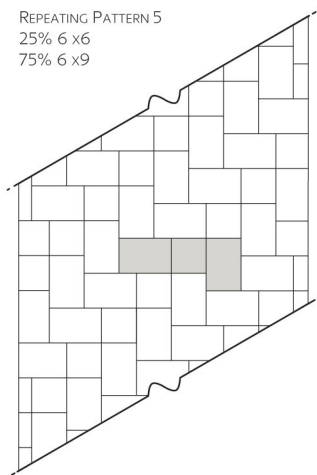


RANDOM PATTERN 4
12x12, 6 x12, 6 x9, 6 x6
PERCENTAGES VARY BY
CUSTOMER BASED
DECISIONS.



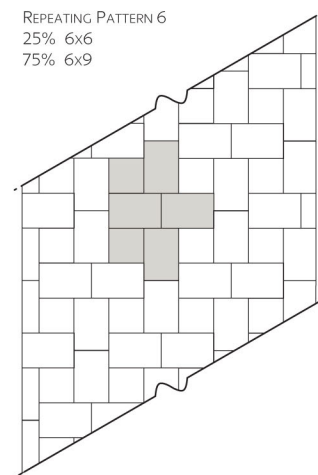
REPEATING PATTERN 5

25% 6 x6
75% 6 x9



REPEATING PATTERN 6

25% 6x6
75% 6x9



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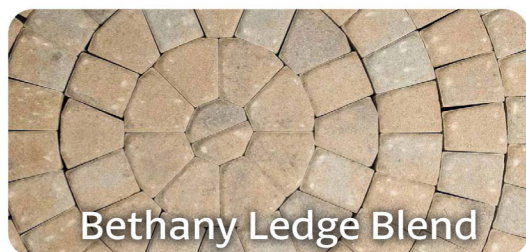
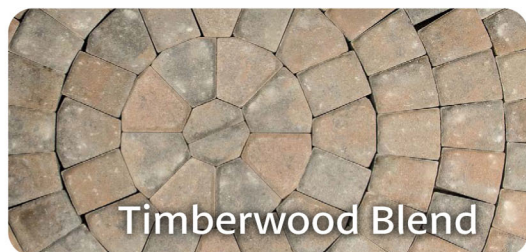
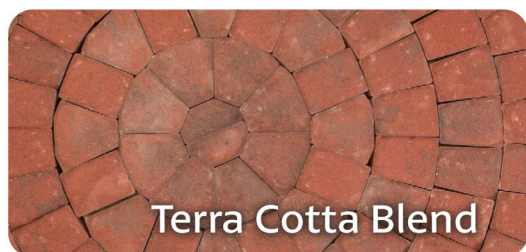
ROMANSTONE
HARDSCAPES®



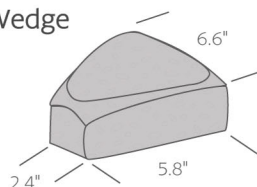
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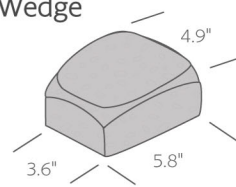
Classic & Century Series™
Cobble Circle Kit



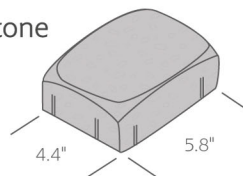
Wide Wedge



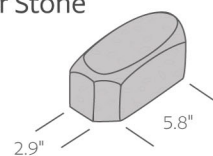
Narrow Wedge



Rectangle Stone



Center Stone



SIZE:

Center Stone: 2.9" x 5.8" x 2.36"

Rectangle Stone: 4.4" x 5.8" x 2.36"

Wide Wedge: 6.6" x 5.8" x 2.36"

Narrow Wedge: 4.9" x 5.8" x 2.36"

SQ. FT. PALLET*

70

UNITS/ PALLET*

6
144
24
216

WEIGHT/ PALLET*

2000 lbs.

*SOLD IN FULL PALLETS ONLY

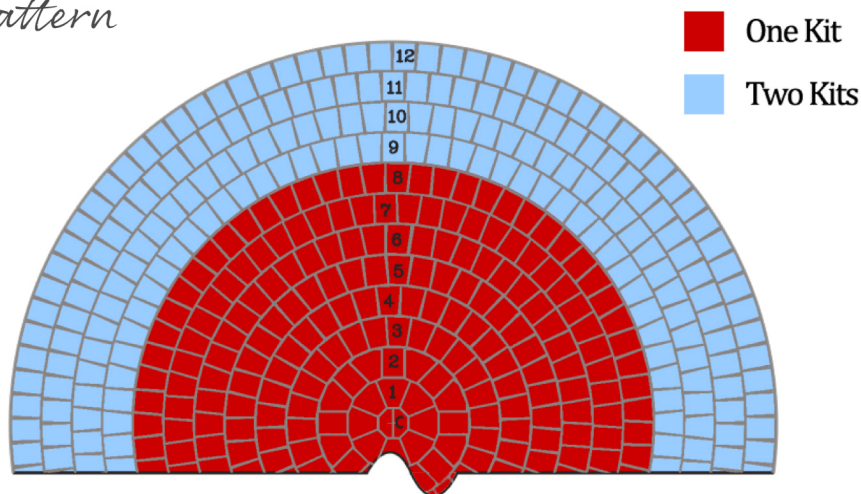
Each pallet includes extra pieces due to mold configuration. Each pallet creates one 8' 6" diameter circle. These pavers incorporate rounded corners and chamfers giving a unique, and timeless look in both contemporary and traditional design.



Specifications

Cobble Circle Kit™ is produced using a “no-slump” concrete mix, made under extreme pressure and high frequency vibrations. Unit pavers will meet or exceed the requirements established in the ASTM C936 (standard specification for interlocking concrete paving units). Requirements of this standard include an average compressive strength of 8,000 psi, average absorption no greater than 5%.

Laying Pattern



Circle	Circle Diameter in Inches	Center Stone	Wide Wedge	Narrow Wedge	Rectangle Stone
C	5.9	2			
1	18.1		8		
2	29.9		8		8
3	41.7			26	
4	53.5			34	
5	65.7			21	21
6	77.5			26	25
7	89.7			30	30
8	101.5			34	33

Circle	Circle Diameter in Inches	Center Stone	Wide Wedge	Narrow Wedge	Rectangle Stone
9	113.3			38	38
10	125			42	42
11	136.9			45	45
12	149.1			48	49

All additional rows call for using rectangular stones only. We recommend using 6x6 Cobble pavers or 4x8 Holland pavers when continuing to add any additional rows of pavers. Using circle kits to add additional rows will result in much waste and added expense. Complementary or contrasting colors both work well for these rows.

When creating two different colored circles, you will need to use several narrow wedges that have been turned upside-down on the outer course. Otherwise, you will have to blend rectangles from the contrasting color to fit the pattern on the instructions. Place an upside-down wedge to replace every other rectangle in the final course only. Using this modified pattern will keep your colors separate.



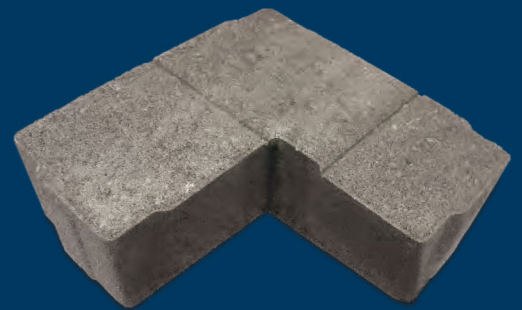
AQUA-BRIC® TYPE 4 "L"



**CONVERT YOUR
ALREADY BUDGETED
WEARING SURFACE
INTO AN APPROVED
STORMWATER BMP.**

FEATURES

- Meets or Exceeds State, City and Local "Water Quality" and "Volume Treatment" Requirements.
- Anti-faulting "L-Shape" joint/void system
- Has a 8% open surface with documented 440 inches of rain per hour surface infiltration rate
- Provides the 3 disciplines of "Interlock"
- Meets American with Disabilities Act
- Mold configuration allows for machine set or hand install



AQUA-BRIC® TYPE 4 "L"

DIMENSIONS	250mm x 250mm x 80mm (thick)
SQ. FT./PALLET	93
WEIGHT/PALLET	3,150 lbs
LAYER/PALLET	7
SQ. FT./LAYER	13.3
CHAMFERED FINISH	Flat face, beveled edges
COLORS	Contact us for available colors



BUILDING A GREEN INFRASTRUCTURE



- Permeable interlocking concrete pavements (PICP) accommodate a wide variety of stormwater management objectives due to flexibility of Pavement Design, Storage Quantity Capacities, and Water Quality Treatment.
- Runoff reduction of up to 100%, depending on project design parameters.
- Provides both Channel Protection and Flood Mitigation.
- Maximizes groundwater recharge with improved Water Quality.
- Allows for retention and storage of stormwater for possible reuse for irrigation or other non-potable applications.
- Reduces non-point-source pollutants in stormwater, thereby mitigating impact on surrounding surface waters, and may lessen or eliminate downstream flooding and stream bank erosion.
- Minimizes impact and stress on existing stormwater or combined stormwater and sewer systems through reduced peak discharges.

- The multi-purpose Permeable Pavement enhances land-use planning and leads to more efficient use of available land for greater economic value, especially in high-density urban areas. Utilizing the storage capacity of the PICP System below the pavement wearing surface, as opposed to above ground storage ponds or the deep excavation required by below grade confined space systems, accomplishes this goal.
- May decrease project cost by reducing or eliminating drainage, retention/detention and separate water quality measures systems.
- May reduce cost of compliance with stormwater regulatory requirements and lower Municipal or State utility/stormwater fees.
- Solar Reflectivity Index compliance will reduce heat island effect and thermal loading of surrounding surface and/or outflow waters when SRI-Compliant colors are specified.
- Accommodates pavement design to provide both mechanical stability and structural integrity for a variety of traffic loads, including Secondary Roadways, Light and Heavy Duty traffic requirements.

AQUA-BRIC[®] TYPE 4 "L" CROSS SECTION DETAIL

- Aggregate in Joints/Voids
- AQUA-BRIC[®] Type 4 "L": Minimum depth **3 1/8"**
- Bedding Course: depth **1.5"– 2"**
- Compacted No. 57 Stone Open-Graded Base: depth **4"**
- Compacted No. 2 or 3 Stone Subbase: depth Minimum **12"**
- Optional Perforated Underdrain
- Soil Subgrade — Zero Slope





**For Preserving Greenspace, Reducing Storm Run-off
and Erosion Control**



Turfstone™



Erosion Control

Turfstone™ offers specific and distinct advantages for controlling erosion of and giving soil stabilization to slopes, embankments, river and low flow channels, flood plains and the shorelines of inland rivers, dikes, creeks, lakes, ponds and reservoirs, where there is no extreme wave action.

Overflow Parking

Turfstone™ reinforces grassy areas subjected to wheeled traffic that would otherwise become so compacted as to inhibit the permeability of the soil structure that is necessary for the grass to survive. The hard-surfaced green space created by the Turfstone™ paving system is an ideal overflow parking facility for parks, historical sites, institutions, university and school campuses, golf courses and any location where public parking periodically peaks extensively beyond everyday needs.

Scenic Parks

It is often necessary to provide emergency and maintenance routes through greenspaces, parkland and institutional complexes. Because Turfstone™ paving enables the traffic to go where the grass grows, it is a suitable product for fire routes which, because of landscaping considerations, must remain greenspace.

Composition & Manufacture

Turfstone™ is made from a no-slump concrete mix. Made under extreme pressure and high frequency vibrations, Turfstone™ has a compressive strength of (8000 psi), a water absorption maximum of 5%, and a freeze-thaw resistance equal to Section of 8 ASTM C 67.

Installation for Erosion Control

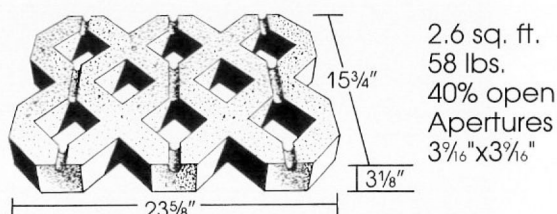
Erosion control applications require the slope to be graded uniformly (ideally to a 2:1 or gentler slope) before bedding Turfstone™ in a thin layer of sand. To prevent migration of the fine granular material, it may be necessary to place a man-made filter cloth on the graded slope before applying the sand. The filter fabric should permit revegetation. To support plant growth, the openings must be filled within ½ in. (15mm) of the surface with suitable topsoil or a mixture of soil and fertilizer and then seeded, sprigged or plugged.

Residential and Commercial Pavement Installation

For residential applications remove soil to a depth of approx. 4½ in. (105mm). Wet and compact area with a tamper or vibrator. Spread washed concrete sand conforming to the grading requirements of ASTM C33 to a depth of 1-1½ in. (25-38mm) and screed level. Set Turfstone™ and roll into sand bedding course with a 1-3 ton roller with surface clean and joints open — do not vibrate with tamper. Follow Erosion control revegetation procedures.

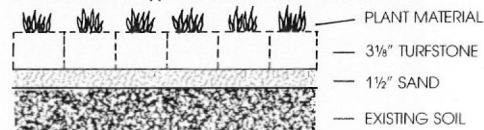
For commercial pavement excavate unsuitable, unstable or unconsolidated subgrade material and compact the cleared area. Backfill and level with dense graded aggregate suitable for base material (typically 4-10 in.) or as otherwise directed by Site Engineer/Architect/Landscape Architect. Place bedding course of washed concrete sand conforming to the grading requirements of ASTM C33 to a depth of 1-1½ in. (25-38mm) screeded to grade. Install Turfstone™ and roll into sand bedding course with a 1-3 ton roller with surface clean and joints open — do not vibrate with taper. Follow Erosion Control revegetation procedures.

Dimensions



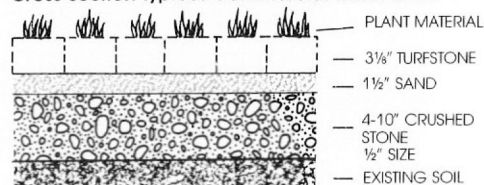
Quantity needed per 10 sq. ft. approx. 4 units

Cross Section Typical Residential Installation



Turfstone and 1½" leveling course after compaction 4000 lbs. per sq. ft., water runoff "C" factor equals 0.25.

Cross Section Typical Commercial Installation



4" thick crushed stone will support 80 lbs. per sq. in.
6" thick crushed stone will support 120 lbs. per sq. in.
10" thick crushed stone will support 160 lbs. per sq. in.

Cross Section Typical Embankment Erosion Control

