

L-R Junior Fendt, Leo Fendt, Alan Fendt - 1978

100 YEARS - OUR PAST / OUR FUTURE

2024 marks the 100th anniversary of my grandfather starting his sand and gravel business on Gill Road in rural Farmington. From those humble beginnings, our family business has grown into a major concrete products manufacturer, producing concrete blocks for the masonry industry and concrete paving stones and retaining wall blocks for the hardscaping industry.

We have been fortunate to survive the many economic downturns that Michigan is known for, but also to thrive when the local economy is on an upswing. Our success over the 100 years is due to one essential element – being the best that we can be. Professional contractors and homeowners alike have come to know Fendt not only as a quality products producer but also one that conducts business with honesty, integrity, and dedication to bring the best quality and service to our customers.

Being the best that we can be has been the goal and guide for our family for four generations now, beginning with my grandfather Leo in 1924, my father Junior starting in the 1950's, my own involvement starting in the 1970's, and three of my children, Niki, Matt, and Steve here in the 21st century. As they are preparing to take our family business well into its second century of operation, my hope and goal is that they continue to have this same dedication guiding them and that they are also blessed with loyal and supportive customers and employees alike.

To our customers over these many years and to the customers of today, I say a heartfelt "thank you" for entrusting your product needs to our family business. Without your support, we would not be able to be celebrating this 100th birthday milestone during 2024!





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Fendt is a proud member of both the Interlocking Concrete Pavement Institute (ICPI) and the National Concrete Masonry Association (NCMA). These organizations are recognized as the leading national associations for the advancement of properly designed and installed concrete paving stones and segmental retaining walls, respectively. We recommend that installations of our quality products follow the accepted installation standards of the ICPI and NCMA.



WARRANTY

Fendt Builder's Supply, Inc., guarantees the structural integrity of our paver and retaining wall products to the original purchaser for residential applications. Should any product prove defective by not meeting existing ASTM specifications and standards, it will be replaced without cost. Replacement labor and shipping costs are not included in this guarantee. Color matching of any replacement units cannot be guaranteed. Proof of original purchase is required.

GUIDELINES for NON-WARRANTIED TOPICS

COLORS

The colors of products shown in this catalog are to be used as representations or guidelines only. The photography and printing processes are not fully capable of reproducing exact color of all products. Colors may also change from production run to production run. Not all colors are available in all shapes — check with the sales department for availability. Fendt Builder's Supply, Inc., may change, amend, add or discontinue any product, shape, style or color at its sole discretion with no prior notification. To assure random color distribution, it is recommended that individual blocks and/or pavers be mixed from different pallets on the job site.

EFFLORESCENCE, CLEANING and MAINTENANCE

Efflorescence, a white deposit common on concrete and masonry surfaces, is a natural occurrence and no warranty or liability is either expressed or implied for this condition. Cleaners are available for the removal of efflorescence. Residues left on pavers and wall stones from saw-cutting of units or from improper installation of polymeric sands are not the responsibility of Fendt. Cleaners are available for these situations. The face of retaining walls can be stained due to mineral and soil-laden moisture in the backfill area. Cleaners and sealers are available for routine maintenance.

SNOW REMOVAL and SALTING

Snow can be shoveled or plowed from pavers as readily as other pavements. High-strength, low-absorption Fendt pavers are more resistant to de-icing salts than ordinary concretes, but they can still be damaged by intense application. Magnesium chloride is less damaging to concrete surfaces than other rock salt (sodium chloride) or calcium chloride.

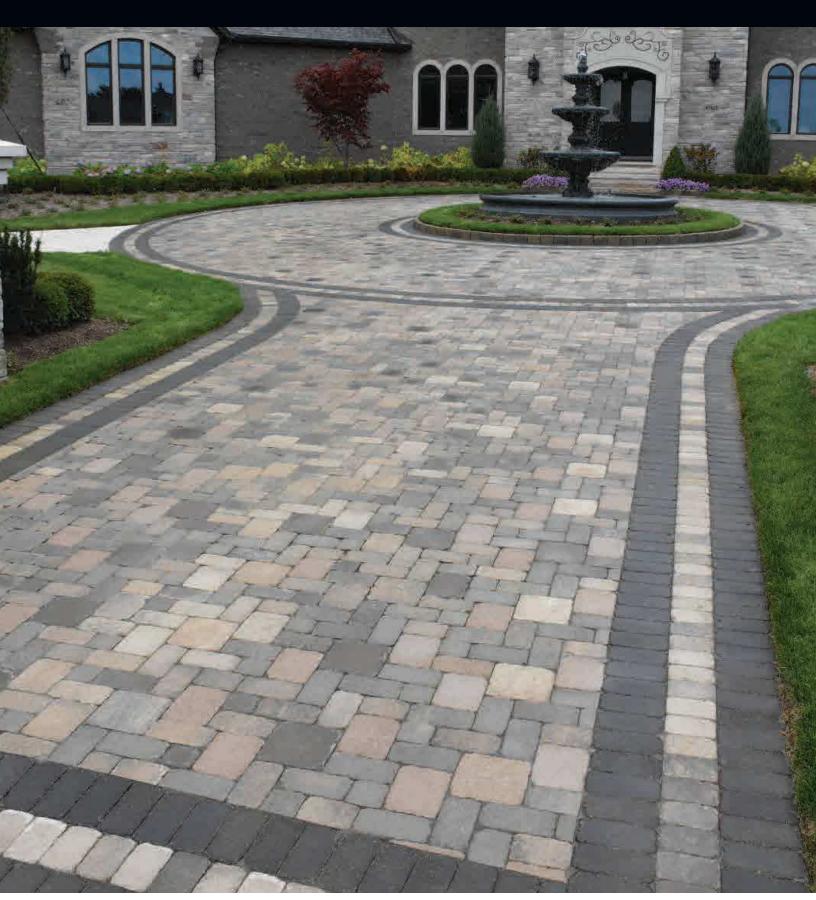
IDEA GALLERY – WALKWAYS

PAVERS: BAY STONE – CEDARVILLE BORDER PAVERS: HOLLAND 4x8 – JET BLACK



IDEA GALLERY – DRIVEWAYS

> PAVERS: OLD WORLD VINTAGE – POLAR ASH BORDER PAVERS: OLD WORLD VINTAGE XLR – JET BLACK



IDEA GALLERY - PATIOS

PAVERS: HOLLAND SERIES – POLAR ASH BORDER PAVERS: HOLLAND 4x8 – JET BLACK WALL STONES: STONEGATE – LIMESTONE BLEND WALL CAPS: 3x24 SMOOTH CAP – SLATE





IDEA GALLERY – OUTDOOR KITCHENS

PAVERS: HOLLAND SERIES – STERLING SMOKE BORDER PAVERS: HOLLAND 4x8 – SLATE WALL STONES: STONEGATE – ALABASTER WALL CAPS: 3x24 SMOOTH CAP – SLATE



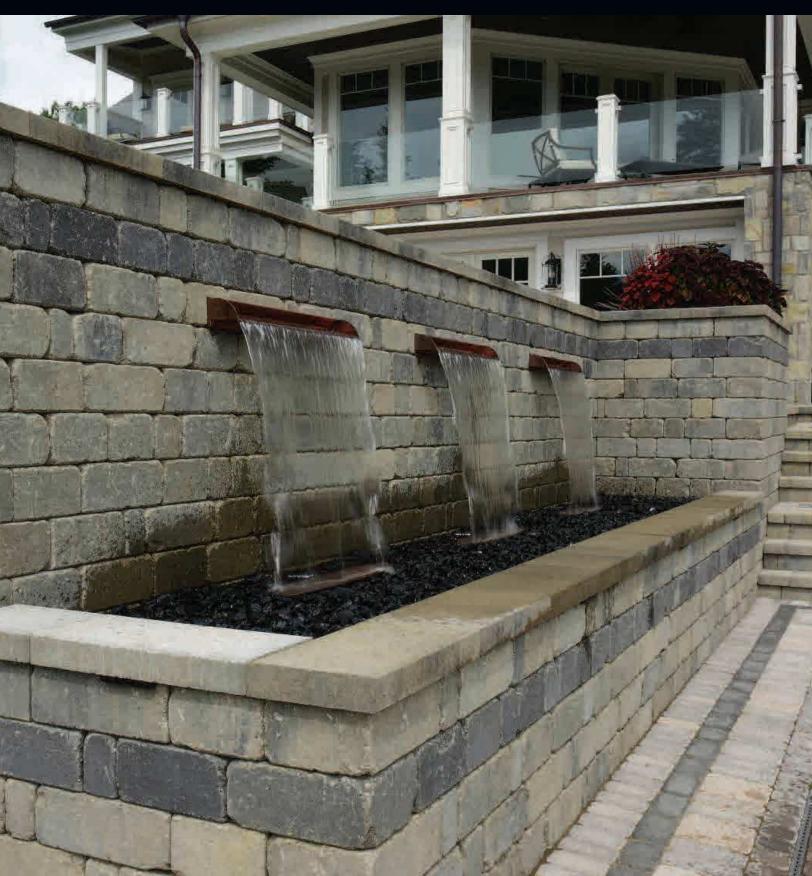
IDEA GALLERY – FIRE PITS

PAVERS: HOLLAND SERIES – LIMESTONE BLEND
WALL STONES: STONEGATE – LIMESTONE BLEND
WALL CAPS: 3x/24 CAPS – SLATE
FIRE PIT: 4' FIRE PIT BLOCK – SLATE
FIRE PIT CAP: 4' RADIUS GLENSTONE – LIMESTONE BLEND



IDEA GALLERY – PRIVACY WALLS

WALLS: OLD WORLD STONEGATE – LIMESTONE BLEND ACCENT WALL COURSE: OLD WORLD STONEGATE – SLATE WALL CAPS: 3x24 SMOOTH CAP – LIMESTONE BLEND



IDEA GALLERY - RETAINING WALLS

WALL STONES: STONEGATE – SLATE
WALL CAPS & STEPS: 3x24 SMOOTH CAP – LIMESTONE BLEND



IDEA GALLERY – OUTDOOR FIREPLACES

PAVERS: HOLLAND SERIES – WALNUT BLEND
WALL STONES: VERAZZO – WALNUT BLEND & SLATE
WALL CAPS: UNIVERSAL CAP – SLATE
CHIMNEY STONES: GLENSTONE – SLATE

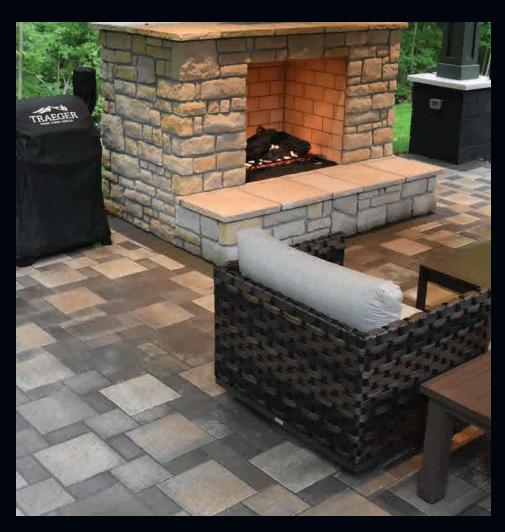


PAVERS: HOLLAND SERIES – POLAR ASH WALL STONES: STONEGATE – SLATE

PAVING STONES

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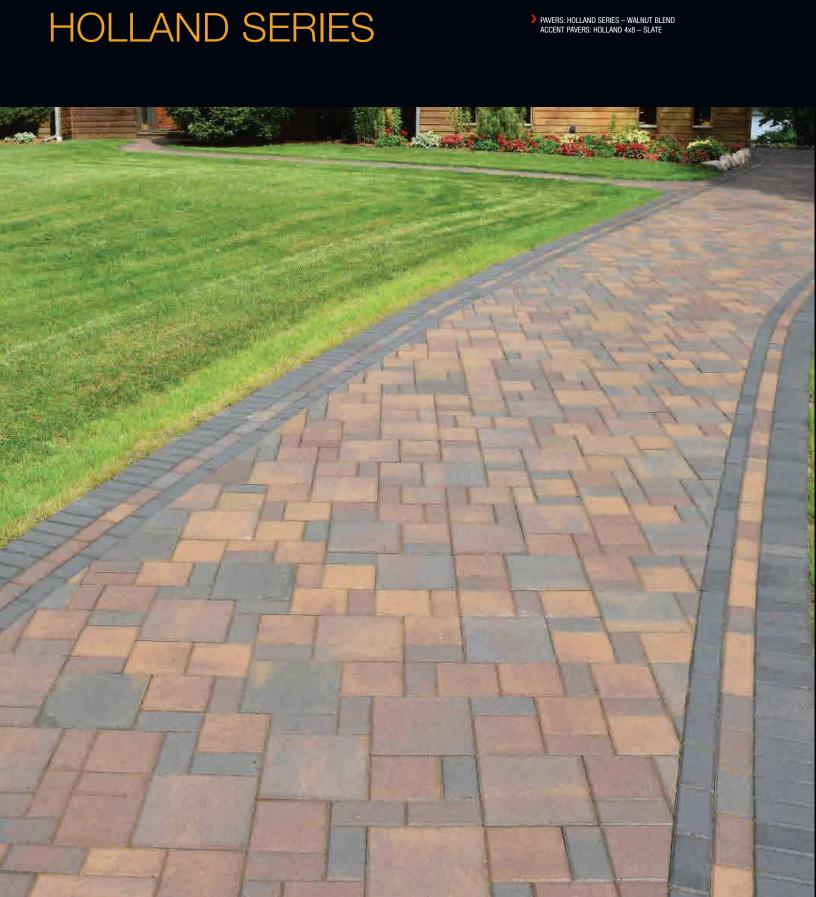
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When it comes to choosing a pavement surface that combines beauty, strength, color, texture and durability, it's hard to look any further than interlocking concrete paving stones, or pavers, for the perfect answer for your driveway, walk or patio.

The wide range of styles and shapes gives the design flexibility to create the most imaginative layouts and patterns. The vast choices of vibrant colors open the possibilities to match virtually any color scheme that you can dream of. And the strength and durability of pavers will pass the most stringent engineering tests that concrete can be put through.

For many years, Fendt has been known as a premier and quality paver manufacturer with some of the richest and most varied colors available to the homeowner and designer alike. As you page through this catalog and begin to dream of your new or refurbished patio, pool deck or driveway, let your imagination dream what can be possible. Fendt — Dream in Color.



PAVERS: HOLLAND SERIES – POLAR ASH WALL STONES: STONEGATE – SAHARA BLEND WALL CAPS & STEPS: 3x24 SMOOTH CAP – SLATE



PAVERS: HOLLAND SERIES – LIMESTONE BLEND
ACCENT PAVERS: HOLLAND 4x8 – JET BLACK
WALL STONES: STONEGATE – LIMESTONE BLEND
WALL ACCENT COURSE: OLD WORLD VINTAGE XLR – JET BLACK
STEP COPING: 3x24 SMOOTH CAP – SLATE



PAVERS: HOLLAND SERIES – STERLING SMOKE BORDER PAVERS: HOLLAND 4x8 – SLATE WALL STONES: STONEGATE – SLATE WALL CAPS: 3x24 SMOOTH CAP – SLATE



PAVERS: HOLLAND SERIES – STERLING SMOKE BORDER PAVERS: HOLLAND 4x8 – STERLING SMOKE WALL STONES: STONEGATE – LIMESTONE BLEND WALL CAPS: 3x24 SMOOTH CAP – SLATE



PAVERS: HOLLAND SERIES – POLAR ASH BORDER PAVERS: HOLLAND 4x8 – SLATE WALL STONES: STONEGATE – SLATE

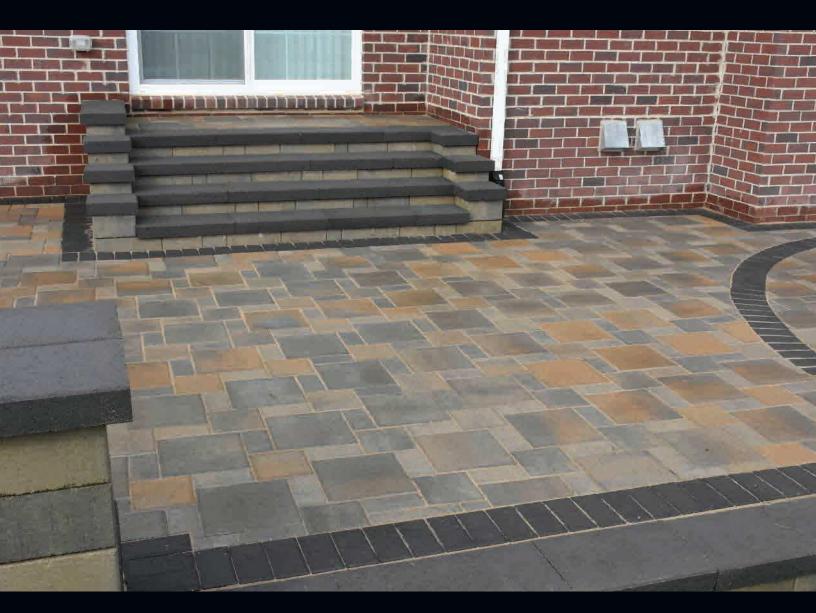


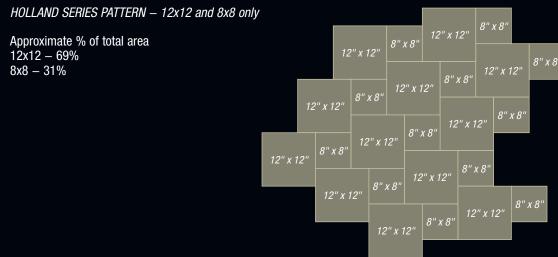


PAVERS: HOLLAND SERIES – STERLING SMOKE BORDER PAVERS: HOLLAND 4x8 – JET BLACK & WHITESTONE FIRE PIT BLOCKS: STONEGATE – SLATE FIRE PIT CAPS AND STEPS: 3x24 SMOOTH CAP – WHITESTONE

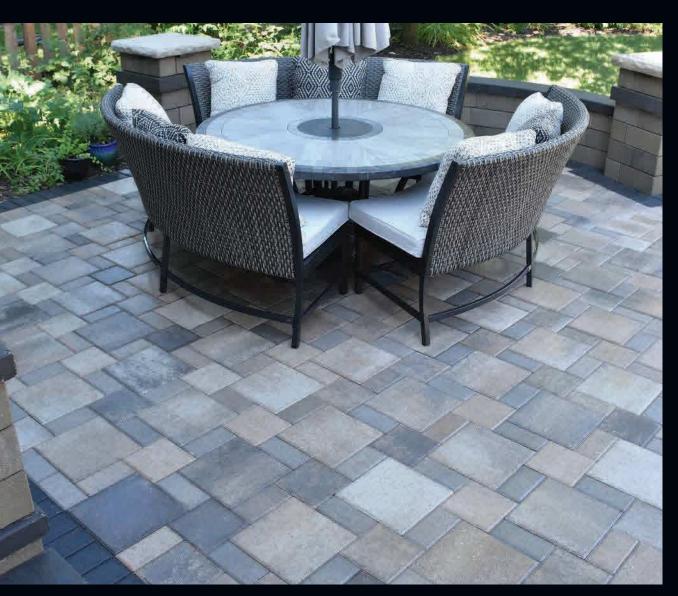


PAVERS: HOLLAND SERIES – LAKESHORE BLEND ACCENT PAVERS: HOLLAND 4x8 – JET BLACK WALL STONES: STONEGATE – LIMESTONE BLEND WALL ACCENT COURSE: STONEGATE – SLATE CAPS & STEPS: 3x24 SMOOTH CAP – SLATE





PAVERS: HOLLAND SERIES – POLAR ASH WALL STONES: STONEGATE – LIMESTONE BLEND WALL CAPS: 3x24 SMOOTH CAP – SLATE



STANDARD COLORS





LIMESTONE



LAKESHORE

ELITE COLORS



POLAR ASH



STERLING SMOKE



DUNEWOOD

HOLLAND 4x8

2-3/8" thick Units per sq. ft.: 4.5 Sq. ft. per cube: 108 Weight per sq. ft.: 28 lbs. Weight per cube: 3,024 lbs. Sq. ft. per strap: 18

HOLLAND 12x12

2-3/8" thick Units per sq. ft.: 1 Sq. ft. per cube: 72 Weight per sq. ft.: 28 lbs. Weight per cube: 2,016 lbs. Sq. ft. per strap: 18

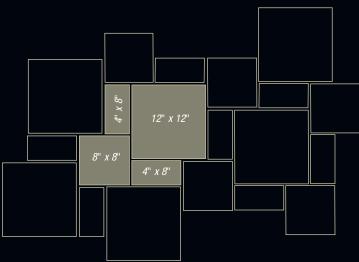
HOLLAND 8x8

2-3/8" thick Units per sq. ft.: 2.25 Sq. ft. per cube: 96
Weight per sq. ft.: 28 lbs.
Weight per cube: 2,688 lbs. Sq. ft. per strap: 16

HOLLAND SERIES PATTERN ▶

Approximate %

4" x 8" 24% 8" x 8" 24% 12" x 12" 52%





PAVERS: HOLLAND 4x8 – WHITESTONE BORDER PAVERS: HOLLAND 4x8 – JET BLACK WALL STONES: STONEGATE – ALABASTER WALL CAPS: 3x24 SMOOTH CAP – WHITESTONE



PAVERS: HOLLAND 4x8 – JET BLACK & WHITESTONE BORDER PAVERS: HOLLAND 4x8 – JET BLACK PIERS: GLENSTONE – LIMESTONE BLEND FIRE PIT: COMPAC CONTEMPORARY – LIMESTONE BLEND WALL CAPS: 3x24 SMOOTH CAP – SLATE



PAVERS: HOLLAND 4x8 – STERLING SMOKE BORDER PAVERS: HOLLAND 4x8 – SLATE STEP RISERS: GLENSTONE – STERLING SMOKE STEP CAPS: 3x24 SMOOTH CAP – LIMESTONE BLEND







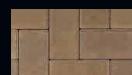
ANTIQUE BLEND



RUSTIC BLEND



SLATE



SANDSTONE BLEND



WALNUT BLEND



LIMESTONE BLEND



PEWTER



MOSSY OAK BLEND



LAKESHORE BLEND

ELITE COLORS



IRONWOOD



WHITESTONE



STERLING SMOKE



DUNEWOOD



POLAR ASH

ELITE COLORS



COFFEE



JET BLACK



SUMMER WHEAT



ALABASTER

SPECTRUM COLORS



BURGUNDY BLEND

CEDARVILLE

OLD WORLD HOLLAND 4x8

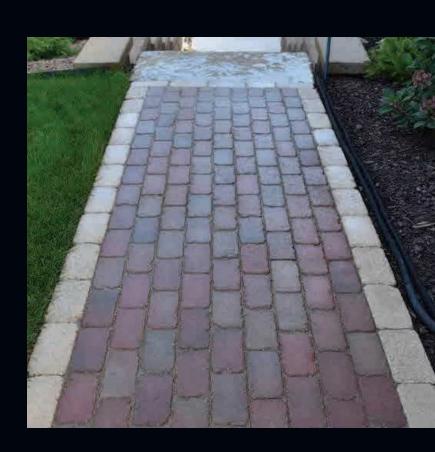


OLD WORLD HOLLAND 4x8

Units per sq. ft.: 4.5 Sq. ft. per cube: 108 Weight per sq. ft.: 28 lbs. Weight per cube: 3,024 lbs.

Sq. ft. per strap: 18 Soldier Coursing: Per Strap – 27 lineal feet Per Cube – 162 lineal feet

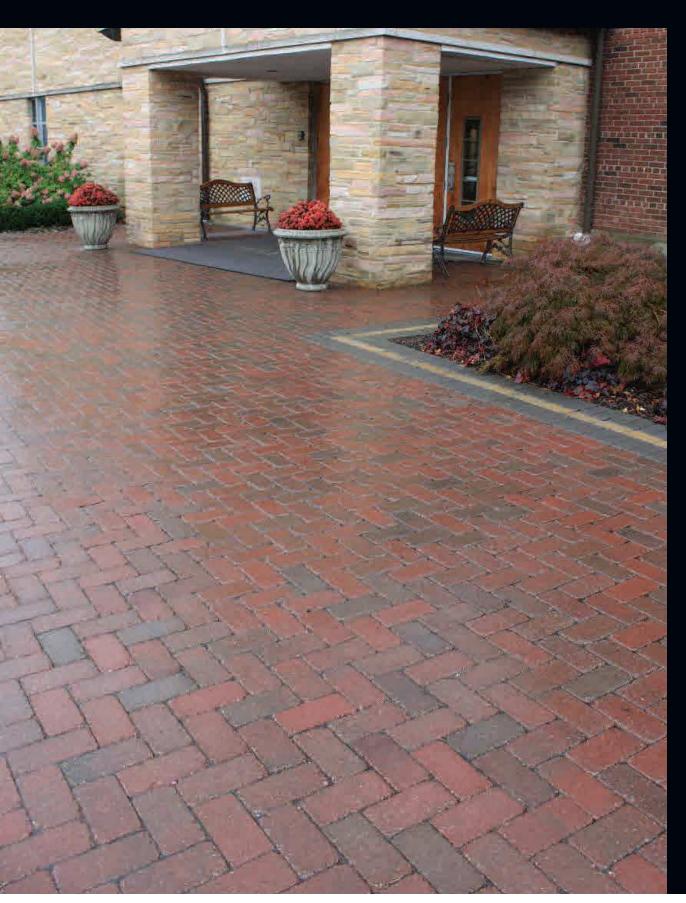
- ➤ RIGHT:
 PAVERS: OLD WORLD HOLLAND 4x8 RUSTIC BLEND
 BORDER PAVERS: OLD WORLD VINTAGE XLR SUMMER WHEAT
 (SPECIAL ORDER COLOR)
- BELOW:
 PAVERS: OLD WORLD HOLLAND 4x8 BURGUNDY BLEND (SPECIAL ORDER COLOR)
 BORDERS: HOLLAND 4x8 SLATE
 OLD WORLD VINTAGE LIMESTONE BLEND





OLD WORLD HOLLAND 4x8

PAVERS: OLD WORLD HOLLAND 4x8 – BURGUNDY BLEND (SPECIAL ORDER COLOR) BORDERS: HOLLAND 4x8 – SLATE OLD WORLD VINTAGE – LIMESTONE BLEND





O.W. RUSTIC BLEND



O.W. ANTIQUE BLEND



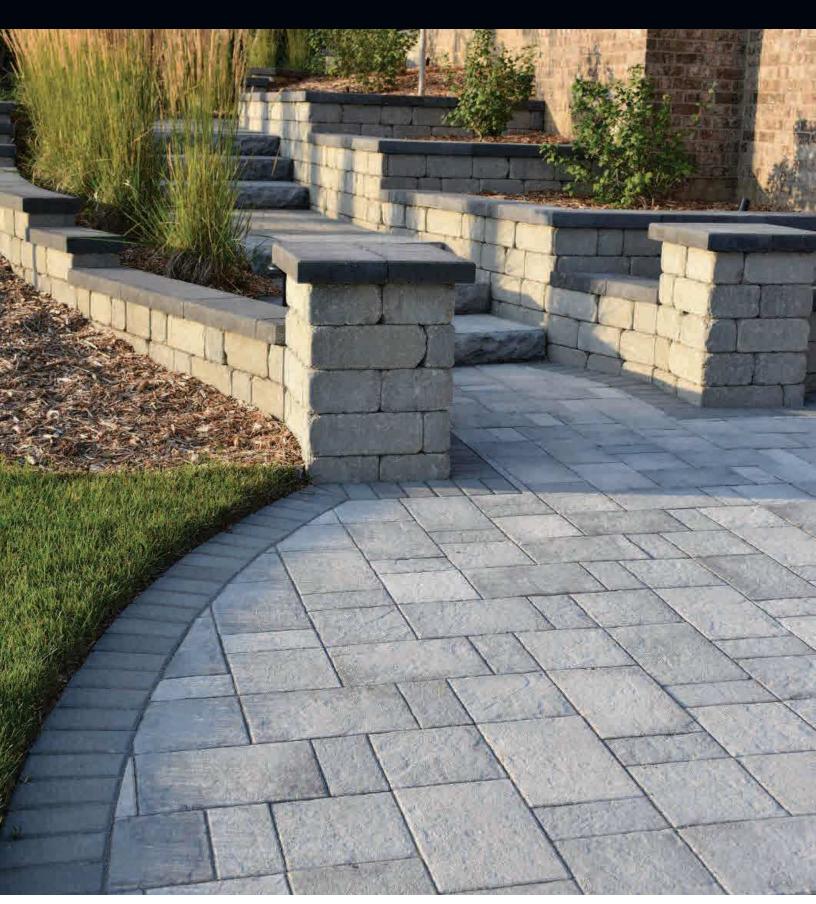
O.W. WALNUT BLEND



O.W. LIMESTONE BLEND



0.W. SLATE



PAVERS: HARBOR STONE – STERLING SMOKE
 WALL STONES: VERAZZO STONE – SLATE
 WALL CAPS & STEPS: 3x24 SMOOTH CAP – LIMESTONE BLEND







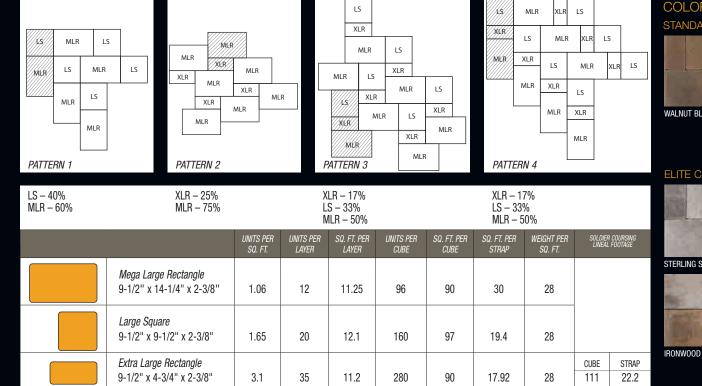
PAVERS: HARBOR STONE – WALNUT BLEND PAVER BORDER: HOLLAND 4x8 – JET BLACK (Installed utilizing Pattern 2)



PAVERS: HARBOR STONE – STERLING SMOKE WALL STONES: VERAZZO STONE – SLATE WALL CAPS: 3x24 SMOOTH CAP – LIMESTONE BLEND

HARBOR STONE & BAY STONE PATTERNS







BAY STONE



BAY STONE



PAVERS: BAY STONE – AU GRES
WALL STONES: STONEGATE – GRAPHITE BLEND
WALL CAPS: 3x24 SMOOTH CAP – WHITESTONE



BAY STONE



PAVERS: BAY STONE – AU GRES INSIDE BORDER PAVERS: HOLLAND 4x8 – WHITESTONE OUTSIDE BORDER PAVERS: HOLLAND 4x8 – JET BLACK



BAY STONE

PAVERS: BAY STONE – AU GRES ACCENT PAVERS: BAY STONE XLR – JET BLACK (Installed utilizing Pattern 2)



STANDARD COLOR

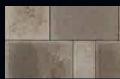


WALNUT BLEND

ELITE COLORS



BIRCHWOOD



AU GRES



POLAR ASH



CEDARVILLE



JET BLACK Stocked in Extra Large Rectangle (XLR) only

VINTAGE



VINTAGE



STANDARD COLORS



RUSTIC BLEND



ANTIQUE BLEND



WALNUT BLEND



SLATE Stocked in Large Rectangle (LR) only

VINTAGE



VINTAGE SERIES















Large Rectangle

Square

Small Rectangle

Half Stone

Small Circle

Large Circle

Center Stone

LARGE RECTANGLE	CUBE	UNITS PER SQ. FT.	UNITS PER LAYER	SQ. FT. PER LAYER	UNITS PER CUBE	SQ. FT. PER CUBE	SQ. FT. PER STRAP	WEIGHT PER SQ. FT.	SOLDIER COURSING LINEAL FOOTAGE	
	Large Rectangle								CUBE	STRAP
	7-1/8" x 4-3/4" x 2-3/8"	4.2	42	10.0	336	80	13.33	28	133	22.2

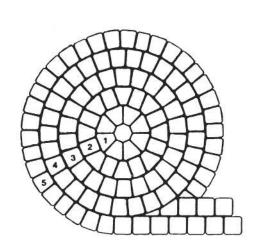
SQUARE & SMALL RECTANGLE CUBE	(Sold in ratio of 3 squares to 1 small rectangle only)	UNITS PER SQ. FT.	UNITS PER LAYER	SQ. FT. PER LAYER	UNITS PER CUBE	SQ. FT. PER CUBE	SQ. FT. PER STRAP	WEIGHT PER SQ. FT. (LBS.)
	Square							
	4-3/4" x 4-3/4" x 2-3/8"	6.3	54	8.5	432	68.6	8.89	28
	Small Rectangle							
	4-3/4" x 2-7/16" x 2-3/8"	12.6	18	1.4	144	11.4		28
	Totals for Cube		72		576	80		2,440

CIRCLE CUBE	(1 circle per cube)	UNITS PER SQ. FT.	UNITS PER LAYER	SQ. FT. PER LAYER	UNITS PER CUBE	SQ. FT. PER CUBE	SQ. FT. PER STRAP	WEIGHT PER SQ. FT. (LBS.)
	Square				Ì			
	4-3/4" x 4-3/4" x 2-3/8"	6.3	14	2.2	56	8.85		28
	Large Circle							
	4-11/16" x 4-5/16" x 2-3/8"	8.3	30	3.6	120	14.45		28
	Small Circle							
	4-11/16" x 4-5/16" x 2-3/8"	8.7	4	0.5	16	1.8		28
	Half Stone							
	4-3/4" x 3-5/8" x 2-3/8"	8.4	21	2.5	84	10		28
	Center Stone							
	4-3/4" x 3-5/8" x 2-3/8"	9.0	1	0.1	4	0.4		28
	Totals for Cube				280	35.5		994

LAYING A CIRCLE

ROW NUMBER	SMALL CIRCLE	LARGE CIRCLE	HALF STONE	SQUARE STONE	DIAMETER (INCHES)	SEQUENCE
1	8	_	_	_	14-1/8	Next to each other
2	8	_	8	_	23-1/2	SC, HS, SC, HS, etc.
3	_	24	_	_	33	Next to each other
4	_	24	7	1	42-1/2	LC, LC, LC, HS, LC, LC, LC,
						HS, etc., plus a square at random
5	_	24	16	_	52	HS, LC, HS, LC, LC, HS, LC, HS,
						LC, LC, etc.
6	_	24	24	_	61-1/2	LC, HS, LC, HS, etc.
7	_	22	23	9	71	LC, HS, LC, HS, Square, LC, HS,
						LC, HS, Square, etc.

Note: The extra Square Stones left from the Circle Cube can be used to enlarge the circle and to complete your project by themselves or with the stones from the Square/Small Rectangle (SSR) Cube and Large Rectangle (LR) Cube.

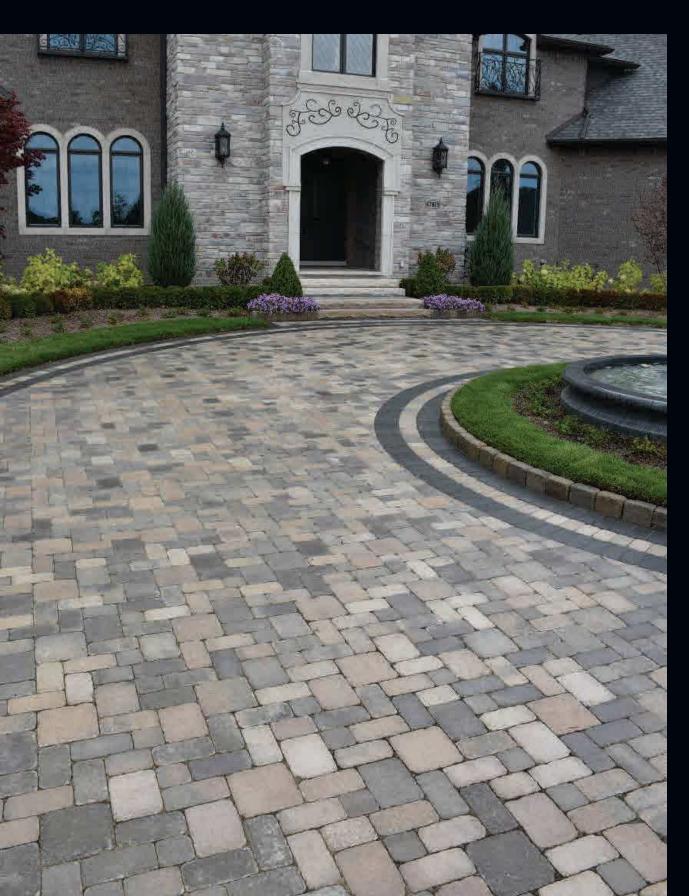


OLD WORLD VINTAGE



OLD WORLD VINTAGE

> PAVERS: OLD WORLD VINTAGE – POLAR ASH ACCENT PAVERS: OLD WORLD VINTAGE XLR – JET BLACK



STANDARD COLORS



O.W. WALNUT BLEND

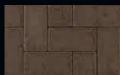


O.W. LIMESTONE BLEND

ELITE COLORS



0.W. POLAR ASH



0.W. COFFEE Stocked in Extra Large Rectangle (XLR) only



0.W. JET BLACK Stocked in Extra Large Rectangle (XLR) only

> PAVERS: OLD WORLD VINTAGE – POLAR ASH BORDER PAVERS: OLD WORLD VINTAGE XLR – JET BLACK

OLD WORLD VINTAGE





Double Large Rectangle



XL Rectangle



Large Rectangle



Square





OLD WORLD VINTAGE SERIES

















Large Square

Double Large Rectangle

XL Rectangle

Large Rectangle

Square

Half

Small Circle

Large Circle

Center Stone

XL RECTANGLE CUB	XL RECTANGLE CUBE		UNITS PER LAYER	SQ. FT. PER LAYER	SQ. FT. PER UNI LAYER (NITS PER SQ. FT. CUBE CUE		SQ. FT. PE STRAP		\$0 COL LI F0	LDIER IRSING NEAL OTAGE
	Extra Large Rectangle 9-1/2" x 4-3/4" x 2-3/8"		35	11.2		280 90		0 17.92		28	111	22.2
LARGE RECTANGLE	LARGE RECTANGLE CUBE		UNITS PER LAYER	SQ. FT. PER LAYER		NITS PER SQ. FI CUBE CU		T. PER SQ. FT. F IBE STRAF			SC COL LI FO	LDIER JRSING NEAL OTAGE
	Large Rectangle 7-1/8" x 4-3/4" x 2-3/8"	4.2	42	10.0		336	80		13.33	28	133	STRAP 22.2
SQUARE CUBE		UNITS PER SQ. FT.	UNITS PER LAYER	SQ. FT. PE LAYER	ER .	UNITS PER CUBE		SQ. FT. PER CUBE		SQ. FT. PER STRAP	WEIGHT PER SQ. FT. (LE	
	Square 4-3/4" x 4-3/4" x 2-3/8"	6.3	63	10.0		50)4		80	8.89	2	8
CIRCLE BOX (1 CIF	CLE PER BOX)	UNITS PER SQ. FT.	UNITS PER LAYER	SQ. FT. P. LAYER	ER	UNITS BO		SQ	P. FT. PER BOX	SQ. FT. PER STRAP	WEI PER SQ. I	
	Square 4-3/4" x 4-3/4" x 2-3/8"	6.3				56	3	8	3.85		2	8
	Large Circle 4-11/16" x 4-5/16" x 2-3/8" 8.3					12	0	1	4.45		2	8
	Small Circle 4-11/16" x 4-5/16" x 2-3/8"	8.7				16	6		1.8		2	8
	Half Stone 4-3/4" x 3-5/8" x 2-3/8"	8.4				84	ļ		10		2	8
	Center Stone											

LAYING A CIRCLE

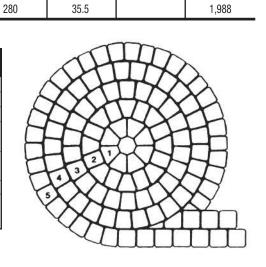
4-3/4" x 3-5/8" x 2-3/8"

Totals for Cube

ROW NUMBER	SMALL CIRCLE	LARGE CIRCLE	HALF STONE	SQUARE STONE	DIAMETER (INCHES)	SEQUENCE
1	8	_	_	_	14-1/8	Next to each other
2	8	_	8	_	23-1/2	SC, HS, SC, HS, etc.
3	_	24	_	_	33	Next to each other
4	_	24	7	1	42-1/2	LC, LC, LC, HS, LC, LC, LC,
						HS, etc., plus a square at random
5	_	24	16	_	52	HS, LC, HS, LC, LC, HS, LC, HS,
						LC, LC, etc.
6	_	24	24	_	61-1/2	LC, HS, LC, HS, etc.
7	_	22	23	9	71	LC, HS, LC, HS, Square, LC, HS,
						LC, HS, Square, etc.

9.0

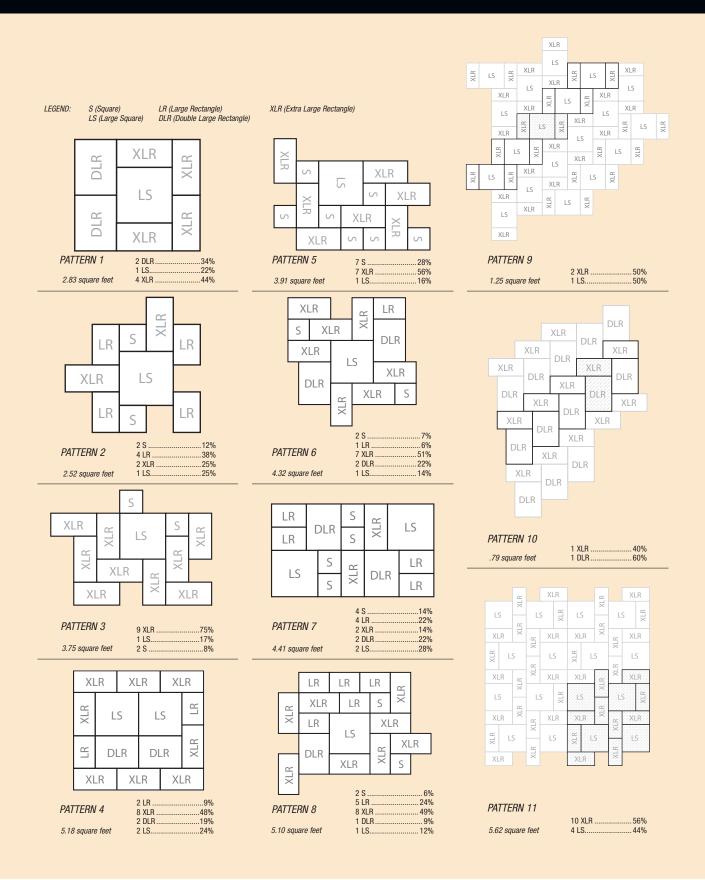
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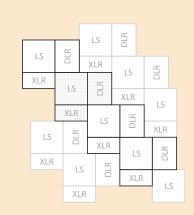
28

0.4

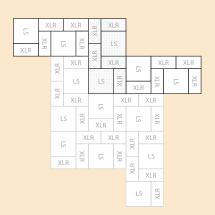
OLD WORLD VINTAGE PATTERNS



OLD WORLD VINTAGE PATTERNS



PATTERN 12	1 XLR22%
	1 DLR34%
1.41 square feet	1 LS44%

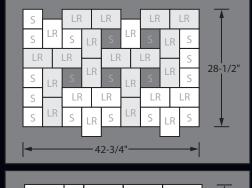


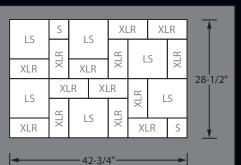
PATTERN 13		
	5 XLR56	
2.81 square feet	2 LS44	1 %

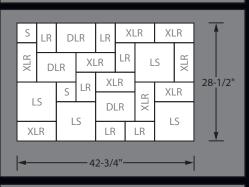


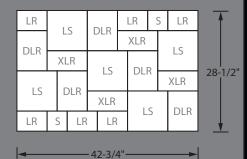
PATTERN 14	2 LS	
	2 DLR	.38%
2.51 square feet	1 XLR	12%

SIDEWALK PATTERNS









SIDEWALK PATTERN 1

SIDEWALK PATTERN 2 8.48 square feet

SIDEWALK PATTERN 3

8.48 square feet

SIDEWALK PATTERN 4

8.48 square feet

2 S ... 3% 6 LR ... 17% 4 XLR ... 15% 5 DLR ... 28% 5 LS ... 37%

	SQ. FT. PER CUBE	UNITS PER SQ. FT.	UNITS PER CUBE	SQ. FT. PER STRAP
Square (O.W. only)	80	6.3	198	8.89
Square/Small Rectangle	80		576	8.89
Large Rectangle	80	4.2	336	13.33
Extra Large Rectangle	90	3.1	280	17.92
Double Large Rectangle	91	2.2	200	18.2
Large Square	97	1.6	160	19.4



NEXT PAGE:
PAVERS: SYMETRY – RUSTIC BLEND
6x6 – CUSTOM COLOR (Installed utilizing Venetian Parquet Pattern)



SYMETRY

Units per sq. ft.: 3.4 Sq. ft. per cube: 84 Weight per sq. ft.: 28 lbs. Weight per cube: 2,352 lbs. Sq. ft. per strap: 21



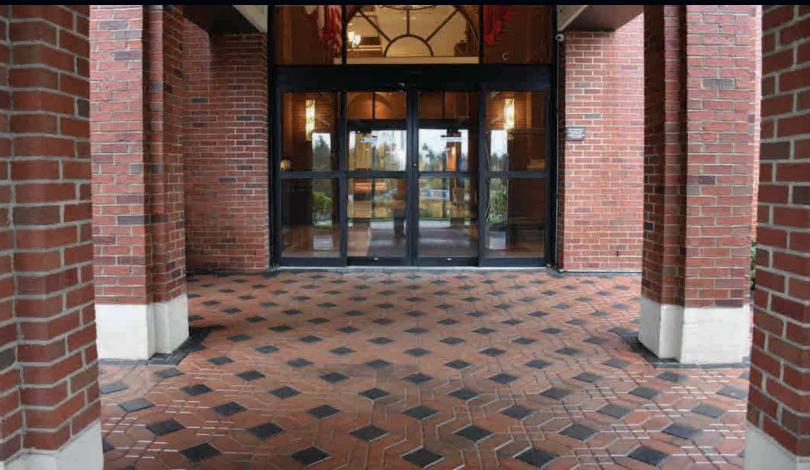
6x6 SQUARE

Units per sq. ft.: 4 Sq. ft. per cube: 92 Weight per sq. ft.: 28 lbs. Weight per cube: 2,576 lbs. Sq. ft. per strap: 13.14

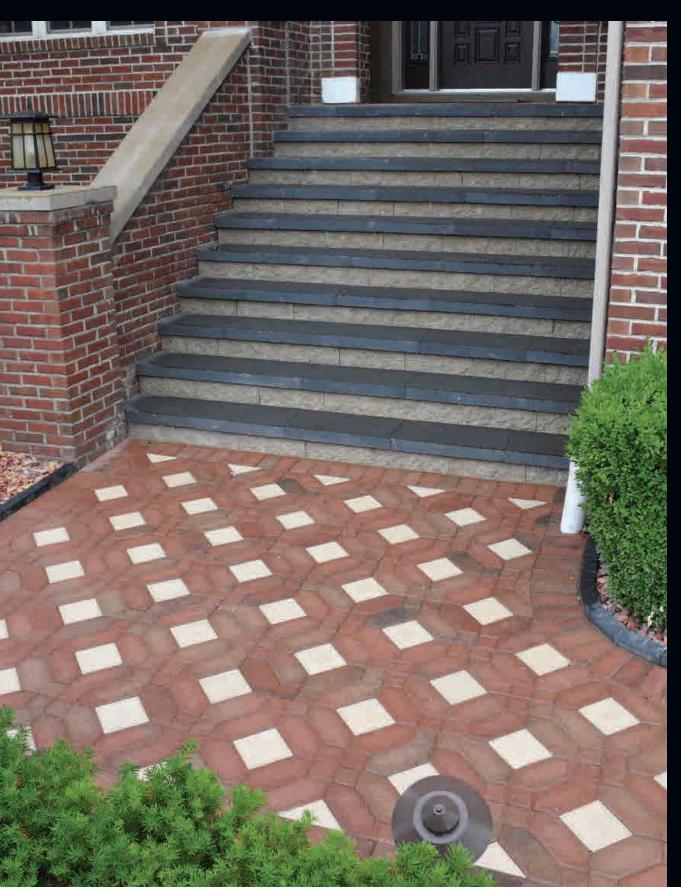
RIGHT:
PAVERS: SYMETRY – RUSTIC BLEND
6x6 – CUSTOM COLOR
(Installed utilizing Venetian Parquet Pattern)

BELOW:
PAVERS: SYMETRY – RUSTIC BLEND
6x6 – SLATE
(Installed utilizing Venetian Parquet Pattern)





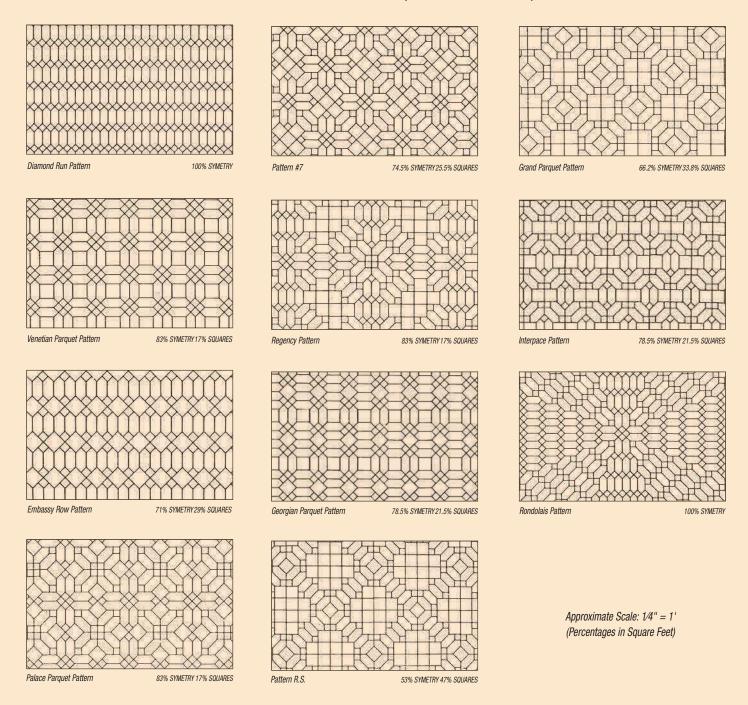
SYMETRY® (SPECIAL ORDER)



SYMETRY® AND 6X6 SHAPES ARE AVAILABLE ON SPECIAL ORDER ONLY.

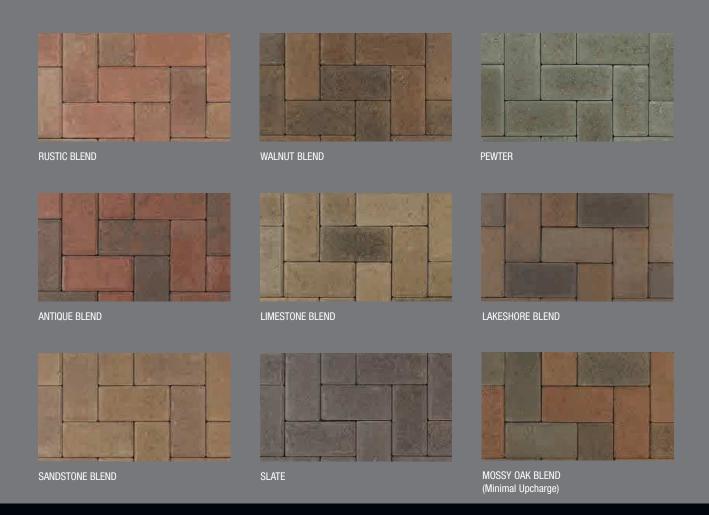


SYMETRY® PATTERNS (SHOWN WITH 6x6)



STANDARD COLORS

Fendt offers separate color lines at three separate pricing levels, which include Standard Colors, Spectrum Colors and Elite Colors. Fendt's Standard Colors offer some of the widest varieties of both solid colors and blended colors that are available in today's market.



SPECTRUM COLORS

Fendt offers two premium color lines, namely Spectrum Colors and Elite Colors. The Spectrum Colors line offers deeper and richer color tones which take standard paver colors to a higher level. The Elite Colors line offers the latest color possibilities when premium colors are combined with premium cements.



BURGUNDY BLEND

WHEN SELECTING COLOR: The color samples depicted are only a guide to assist in color selection and should not be used to select final color. Actual colors of pavers and walls may vary due to the nature of the raw materials used in processing and the variation of reproduction and printing processes. Final color selection should be made from actual paver and wall products. When installing pavers, use several cubes simultaneously for proper color blending.

ELITE COLORS

Fendt offers two premium color lines, namely Spectrum Colors and Elite Colors. The Spectrum Colors line offers deeper and richer color tones which take standard paver colors to a higher level. The Elite Colors line offers the latest color possibilities when premium colors are combined with premium cements.



OLD WORLD COLORS

WHEN SELECTING COLOR: The color samples depicted are only a guide to assist in color selection and should not be used to select final color. Actual colors of pavers and walls may vary due to the nature of the raw materials used in processing and the variation of reproduction and printing processes. Final color selection should be made from actual paver and wall products. When installing pavers, use several cubes simultaneously for proper color blending.

STANDARD COLORS



LIMESTONE BLEND



WALNUT BLEND



ANTIQUE BLEND



RUSTIC BLEND



SLATE

FLITE COLORS



POLAR ASH



JET BLACK



COFFEE

ACCENT PAVERS — ELITE COLORS

- TOP:
 PAVERS: OLD WORLD VINTAGE SEASHELL BLEND (SPECIAL ORDER)
 ACCENT PAVERS: OLD WORLD VINTAGE XLR RUBY (SPECIAL ORDER) & JET BLACK
- DOTTOM:

 PAVERS: OLD WORLD VINTAGE SEASHELL BLEND (SPECIAL ORDER)

 ACCENT PAVERS: OLD WORLD VINTAGE XLR JET BLACK





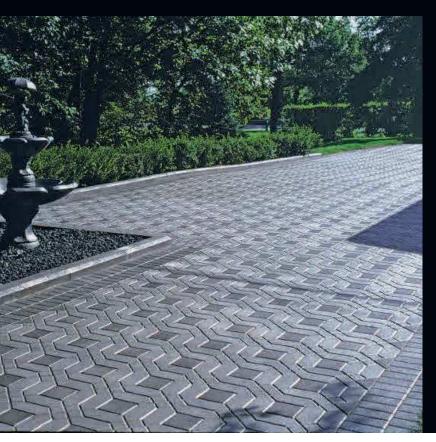




CUSTOM COLOR PROJECTS

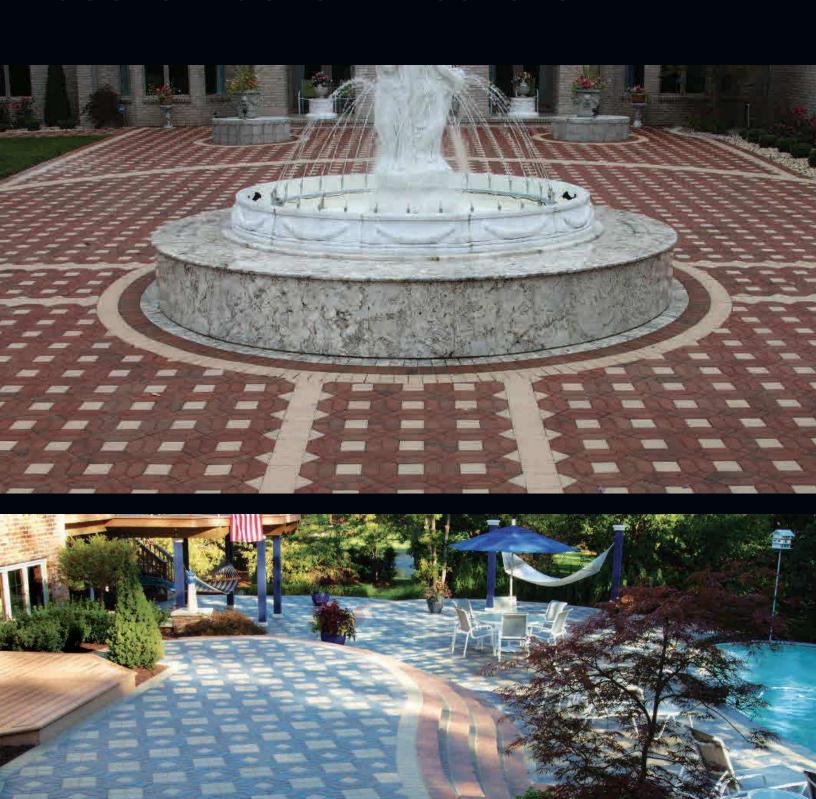
Looking for something just a little out of the ordinary? While most wall stone and paver products are stocked in a wide range of common colors, Fendt has the capability to produce custom colors on select jobs. Need your driveway pavers a certain shade of gray or even something bolder? Have a special color that is your backyard patio inspiration? Perhaps you just want something no one else has! Fendt understands.







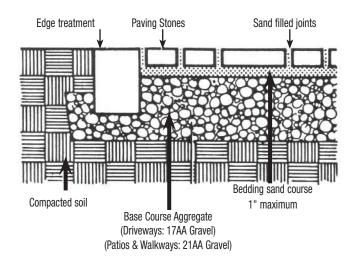
CUSTOM COLOR PROJECTS

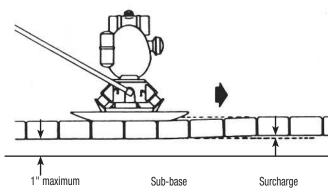


PAVER INSTALLATION INSTRUCTIONS

Interlocking Concrete Paving Stones

- 1. Prepare the site, making a compacted base with 21AA gravel between 8" and 12" for driveways and with 21AA gravel up to 4" to 6" for patios and walkways. Slope as necessary.
- 2. Spread a layer of 2NS concrete sand 1" over compacted base. It is important to maintain consistent thickness of bedding sand. Screed the sand to desired level. Allow for thickness of paver and for compaction of sand (approximately ¼" to ½") to be done in step #5.
- 3. Lay the paving stones in the patterns you choose, starting the edge stones from an existing line such as a curb or house.
- 4. Make any necessary cutting of stones with a paving stone splitter or masonry saw.
- 5. Remove and replace any chipped, cracked, or otherwise undesirable pavers prior to compacting, polysanding, or sealing.
- 6. Make a minimum of two passes over paving stones with a plate vibrator.
- 7. Fill the joints by sweeping dry sand over the paving stones, leaving a thin layer for final vibration.
- 8. Vibrate sand into joints and sweep off excess sand. The pavement is now ready for immediate use.



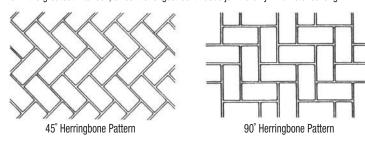


Vibrate stones into place using a plate vibrator.

Interlocked Patterns

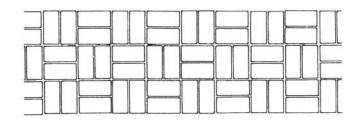
The Herringbone Patterns

Form the greatest interlock, since the longest continuous joint is only 1-1/2 stones long.



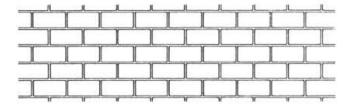
Parquet Pattern

A pattern with unlimited variations.



Running Bond Pattern

A traditional pattern that, when used for vehicular traffic, should have traffic crossing the stones' length at right angles.



PAVERS — INVENTORIED COLORS AND SHAPES

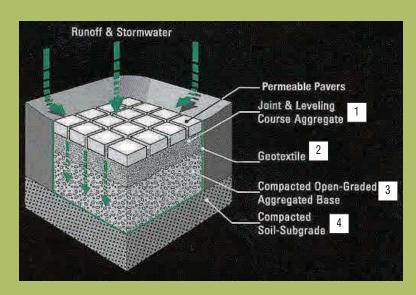
																			MOKE	IEAT		
	ALABASTER	ANTIQUE	AU GRES	ВІВСНИООВ	BURGUNDY	CEDARVILLE	COFFEE	DUNEWOOD	IRONWOOD	JET BLACK	LAKESHORE	LIMESTONE	MOSSY OAK	PEWTER	POLAR ASH	RUSTIC	SANDSTONE	SLATE	STERLING SMOKE	SUMMER WHEAT	WALNUT	
BAY STONE	4	- A	- A	-	-	0	0		=	_			_	-	-	E	S	S	S	S	>	-
Bay Stone Extra Large Rectangle (XLR)			•	•		•				•					•						•	Г
Bay Stone Large Square (LS)			•	•		•									•						•	Т
Bay Stone Mega Large Rectangle (MLR)			•	•		•									•						•	T
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ECOLOGICAL PAVERS																						
Eco-Brick																						Ī
Eco-Classic												•										
Eco-Classic - Old World (OW)																						
Monoslab Grass Paver														•								t
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Harbor Stone Large Square (LS)									•										•		•	t
Harbor Stone Mega Large Rectangle (MLR)									•										•		•	t
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HOLLAND																						
Holland 4x8	•	•			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Holland 8x8								•			•	•			•				•		•	T
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Vintage Double Large Rectangle (DLR)																						Ī
Vintage Large Square (LS)																						Ī
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VINTAGE - OLD WORLD (OW)																						İ
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OW Vintage Large Square (LS)												•			•						•	H

• = In Stock

ENVIRONMENTAL PRODUCTS

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Monoslab® Grass Paver					69	-70



- JOINT FILLING BEDDING LAYER
 1/8" Crushed Stone Chips @ 1-1/2" Thick
- GEOTEXTILE
 Non-woven Geotextile Fabric, Minimum 4.0 Ounces Per Square Yard
- BASE COURSE
 6A Crushed Aggregate @ 6" Minimum Thickness
- SUBGRADE*
 Well Compacted Undisturbed Soil

*Subgrade soil type will determine the need for an outlet from base course to bioswale area. Applicable soil types are fine-grain or impervious soils such as clay. See a qualified Fendt representative for bioswale applications.

Permeable pavements now offer a new dimension by allowing a higher percentage of rainwater to permeate through the pavement system as opposed to overburdened storm water systems. When installed as part of the Bio-Aquifer Storm System (BASS), permeable pavers allow for natural storm water drainage and ground water recharge, making them ecologically sound and economically smart

A parking lot or street created with BASS uses durable, permeable components that allow water to flow through, retaining the water runoff and directing it through a series of natural filtration systems before it enters nearby streams or rivers. Fendt's Eco-Brick™ and Eco-Classic are the perfect solution that can transform any paver parking lot, driveway or pavement area into a beautiful and sustainable pavement that effectively manages storm water.

PERMEABLE PAVERS: ECO-CLASSIC

Eco-Classic

PRODUCT INFORMATION

FULL BRICK 4-1/2" x 9" x 3-1/8" .272 sq. ft. per unit 3.68 units per sq. ft. 36 units/layer, 252/cube HALF BRICK 4-1/2" x 4-1/2" x 3-1/8" .136 sq. ft. per unit 7.35 units per sq. ft. 8 units/layer, 56/cube

10.9 sq. ft. per layer 76.30 sq. ft. per cube

Weight per cube: 2,719 lbs.



ECO-CLASSIC
INVENTORIED IN LIMESTONE BLEND (ABOVE)

Old World Eco-Classic

(SPECIAL ORDER)

PRODUCT INFORMATION

FULL BRICK 4-1/2" x 9" x 3-1/8" .272 sq. ft. per unit 3.68 units per sq. ft. 36 units/layer, 252/cube HALF BRICK 4-1/2" x 4-1/2" x 3-1/8" .136 sq. ft. per unit 7.35 units per sq. ft. 8 units/layer, 56/cube

10.9 sq. ft. per layer 76.30 sq. ft. per cube

Weight per cube: 2,719 lbs.



OLD WORLD ECO-CLASSIC
WALNUT BLEND (SPECIAL ORDER)

PERMEABLE PAVERS: ECO-CLASSIC





PERMEABLE PAVERS: ECO-CLASSIC



PERMEABLE PAVERS: ECO-BRICK (SPECIAL ORDER)



PRODUCT INFORMATION



FULL BRICK 4-1/2" x 9" x 3-1/8" .272 sq. ft. per unit 3.68 units per sq. ft. 36 units/layer, 252/cube HALF BRICK
4-1/2" x 4-1/2" x 3-1/8"
.136 sq. ft. per unit
7.35 units per sq. ft.
8 units/layer, 56/cube



GEOLINK (SPECIAL ORDER)



Soil erosion has been an issue plaguing engineers for decades. It is a well-known fact that the single biggest impact on water quality is the soil erosion process. As a result of new federal and local regulations mandating the control of silt runoff, the engineering community must now use innovative measures to control the erosion process.

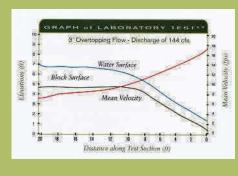


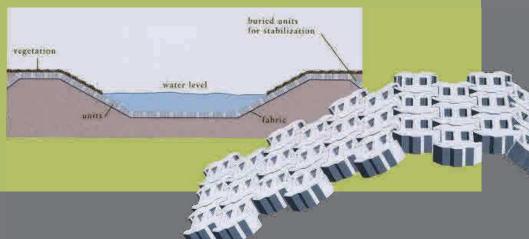
Geolink's premium design inhibits the transport of soil during the erosion process and helps keep our waterways free from silt and hazardous pollutants. Open cells within the block support and maintain vegetative growth, enhancing water quality through a natural cleansing process by filtering out contaminants. Geolink's superior methods of erosion control promote a natural, aesthetically pleasing environment.



PERMEABLE GRASS PAVER

- Geolink units with vegetation
- Soil-filled units
- Engineering fabric layer
- Drainage media
- Prepared subgrade foundation





GRASS PAVERS: MONOSLAB®

MULTI-PURPOSE MONOSLAB GRASS PAVER ... THE PROBLEM SOLVER!

STABILIZES GRASSY AREAS:

- FOR FIRE LANES
- HIGHWAY CROSSOVERS
- RUNWAY SHOULDERS

It's the natural look in paving ... proven over three decades in use. Monoslab Grass Pavers allow a lawn area to be used for parking or driveways — preserving green space in places where it's scarce.

Monoslab Grass Pavers eliminate the dust or mud normally created by allowing traffic in unpaved areas, and can be used in any area where you want to allow vehicular traffic while preserving the look of a lawn

The unique design of Monoslab affords better weight distribution and increased load bearing capacity. The surface pattern encourages controllable drainage, while stimulating grass growth.

Fast and simple to install in any weather, Monoslab Grass Pavers are available for immediate use.

Monoslab Grass Paver grids permit emergency vehicles and fire trucks to approach buildings from all directions saving time and possibly lives. Heavy trucks drive over stabilized grassy areas leaving no trace.

When considering the areas around apartments and other commercial buildings, the design professional has an alternative to traditional asphalt and other hard surfacing. Monoslab is not subject to most restrictive zoning ordinances that cover hard pavement.

Monoslab grids enable emergency and surface vehicles to cross over between concrete and asphalt pavements.

Especially suitable at curves, concrete grids are readily seen at night. Fast, easy installation. Tire rumbling when driving over the concrete grids alerts drivers.



GOOD NEWS FOR FIREFIGHTERS, LANDSCAPE ARCHITECTS & HIGHWAY/WATERWAY ENGINEERS

SAVES GRASS ... The design professional now has an exciting option when considering surfacing for areas around apartment buildings, shopping malls, office buildings and other urban developments. Monoslab offers a relief from traditional hard surfacing by introducing stabilized grass areas. Suitable for parking lots and overflow parking areas, it will also allow utility trucks to drive over landscaped grounds.

STOPS EROSION ... Monoslab is the best answer to stabilize slopes and put an end to persistent erosion problems. Even river bed erosion in fast-flowing rivers or open culverts can be effectively controlled with Monoslab.

It is also successfully used as revetments to reinforce reservoirs and shoreline slopes and to provide seawall toe protection. After Monoslab is laid and grass established, an installation can be mowed as normal grass.





MONOSLAB® GRASS PAVERS

EASY TO INSTALL



STEP 1

For heavy loads, bulldoze one foot below finished grade.

For light loads (automobiles), bulldoze one-half foot below finished grade.



STEP 4

Level the paver grids on the sand bed. Keep them "pencil thickness" apart.



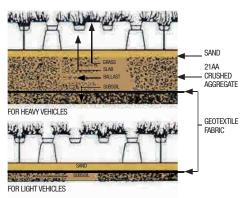
STEP 2

For light loads, spread and tamp — or roll — one inch sand bed directly on the sub-grade.



STEP 5

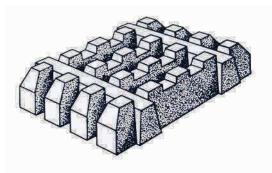
Ready for service.



STEP 3

For heavy loads (trucks), spread and tamp — or roll - six inches of crushed rock or crushed concrete over continuous geotextile fabric for heavy vehicle base course. Not required for light loads, such as automobiles.

Spread and tamp — or roll — one-inch sand bed on the six-inch ballast course.



SO MANY BENEFITS:

- · Minimize storm water runoff
- Replenish subterranean ground water
- Avoid erosion and soil wash away
- Protect lawns from wheel tracks
- · Reduce hard surface pavement

All of the above objectives can be accomplished by installing Monoslab. On a test installation of tufted Grass Paver bedded on two inches of coarse sand spread over six inches of gravel, with clay subsoil, no water ran off for an hour. Storm water runoff then ranged from 5% to 18%.

MEASUREMENTS	USA/CAN actual	<i>USA/CAN</i> nominal	USE NOMINAL VALUES FOR COMPUTATIONS
Length	23-1/2"	24 in 2 ft.	+/- 1/8"
Width	15-3/8"	16 in 1-1/3 ft.	+/- 1/8"
Thickness	4-9/16"	4-1/2 in 3/8 ft.	+/- 1/16"
Area, gross	370 sg. in.	2-2/3 sq. ft.	3 grids = 8 sg. ft.
Area, upper surface	95 sq. in.	2/3 sq. ft.	25% of gross area
Area, base surface	326 sq. in.	2-1/2 sq. ft.	85% of gross area
Weight/grid	94 lb. +/- 3 lbs.	94 lbs.	depends on water absorption
Strength, compression	4000 psi	4000 psi	per ASTM C140-70
Braking load, transverse	-	-	see specification and test procedure sheets
Absorption, water	13 lbs. / cu. ft.	13 lbs. / cu. ft.	per ASTM C140-70

WALL STONES

WALL STONES: STONEGATE – SAHARA BLEND WALL CAPS: 3x24 SMOOTH CAP – SLATE PAVERS: HOLLAND SERIES – POLAR ASH BORDER PAVERS: HOLLAND 4x8 – SLATE

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The perfect way to complete your hardscape project is with Fendt concrete wall stones. We feature the Keystone Retaining Wall product line, which has been recognized as the leader in Segmental Retaining Walls (SRWs).

This same style, technology and performance that engineers have specified for years is now available in a wide range of colors and designs to fit your every need and situation. With various styles of wall stones to choose from, your yard can become a showcase to satisfy every possible design.

Fendt's history and experience with colors in concrete pavers is now yours to expand your design options when utilizing retaining walls, courtyard walls, piers and fire pits. As you consider the right wall product to use to complement the rest of your hardscape design, let yourself dream in color!

GARDEN WALL



LIMESTONE BLEND



RUSTIC BLEND



WALNUT BLEND



ANTIQUE BLEND



(Unit shown upside-down to show rear lug)



SLATE



GREY



When it's time to create the garden of your dreams, Fendt offers a full line of Garden Wall brand wall stones to create the elegant and unique look you want. Garden Wall products come in a wide variety of exceptional

colors. With their three-dimensional, textured appearance, they add an element of rugged

perfection to any garden project.

KEYSTONE GARDEN WALL – GRAY

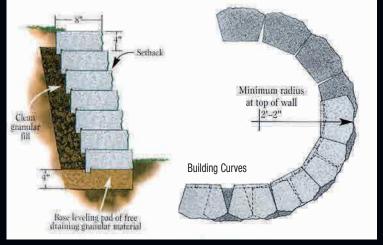
Removing rear lugs when building curves

To remove outside lugs or edges of retaining lip, hold unit securely or place at angle on ground. Strike the lug firmly with a hammer. Always wear safety glasses to protect eyes from chips.



Size: 4"h x 12"w x 8"d Exposed face area: 1/3 sq. ft. (4" x 12") Weight: 25 lbs. Units per pallet: 96 units Weight per pallet: 2,400 lbs.

Typical Landscape Wall Section Shown at Right



GLENSTONE

WALL STONES: GLENSTONE – SLATE
WALL ACCENT COURSE: OLD WORLD VINTAGE XLR – COFFEE
WALL CAPS: GLENSTONE BULLNOSE – SLATE
PIERS: GLENSTONE – LIMESTONE BLEND
PIER ACCENT COURSE: OLD WORLD VINTAGE XLR – COFFEE

STANDARD COLORS



SLATE



RUSTIC BLEND



SAHARA BLEND



GREYSTONE



LIMESTONE BLEND



BURGUNDY BLEND



CHESTNUT

ELITE COLORS



STERLING SMOKE



Old World 4' Radius Glenstone

- Size: 4"h x 8"d x 12-1/4"/9-1/8"w
- Use with Glenstone to Turn Radius
- No Cutting Required 16 units per circle
- Weight: 27.55 lbs.
- Units per pallet: 96 units
- Weight per pallet: 2,645 lbs.
- Stock Colors: Walnut, Limestone, Slate



Glenstone / Old World Glenstone

- Size: 4"h x 8"d x 12"w
- Exposed face area: 1/3 sq. ft. (4" x 12")
- Weight: 32 lbs.
- Units per pallet: 96 units
- Weight per pallet: 3,072 lbs.

OLD WORLD GLENSTONE

- TOP: WALL STONES: OLD WORLD GLENSTONE STERLING SMOKE PAVERS: HOLLAND SERIES STERLING SMOKE
- WALL STONES: OLD WORLD GLENSTONE IRONWOOD BLEND
 WALL ACCENT COURSE: GLENSTONE SLATE
 PAVERS: HOLLAND SERIES SANDSTONE (SPECIAL ORDER)
 ACCENT PAVERS: OLD WORLD VINTAGE XLR SUMMER WHEAT
 (SPECIAL ORDER)

STANDARD COLORS



O.W. WALNUT BLEND



0.W. SLATE



O.W. RUSTIC BLEND



0.W. SAHARA BLEND





O.W. LIMESTONE BLEND

SPECTRUM COLORS





O.W. CHESTNUT

ELITE COLORS





0.W. STERLING SMOKE





GLENSTONE BULLNOSE

TOP: STEP COPING: GLENSTONE BULLNOSE – SLATE WALL STONES: OLD WORLD GLENSTONE – IRONWOOD BLEND

DOTTOM:
WALL STONES: VERAZZO STONE – CAMEL (SPECIAL ORDER)
STEP COPING: GLENSTONE BULLNOSE – CAMEL (SPECIAL ORDER)
WALL ACCENT COURSE: GLENSTONE – SLATE
PAVERS: HOLLAND SERIES – WALNUT BLEND
BORDER PAVERS: HOLLAND 4x8 – SLATE

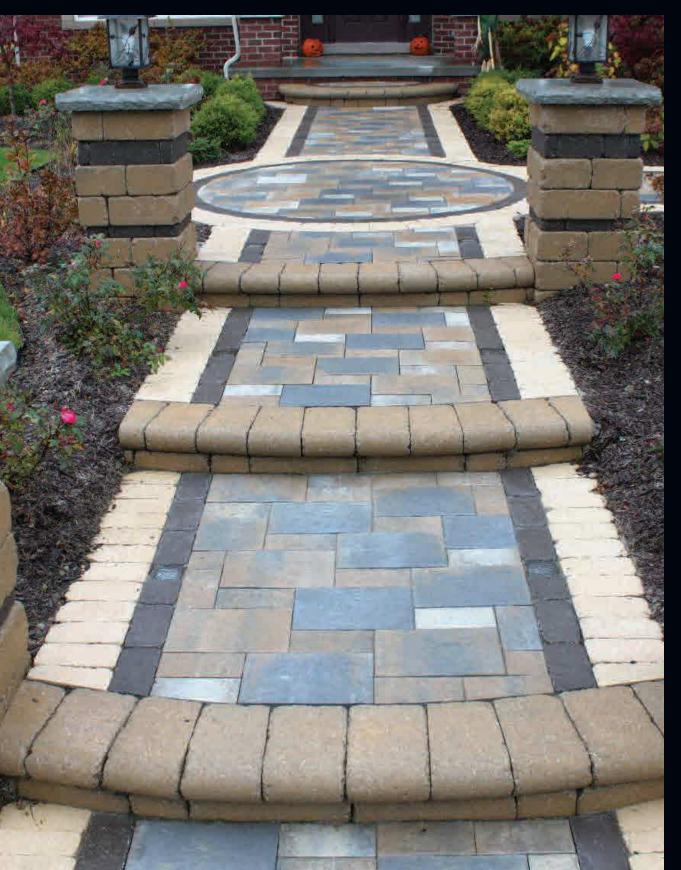






OLD WORLD GLENSTONE BULLNOSE

- > STEP COPING: OLD WORLD GLENSTONE BULLNOSE CAMEL (SPECIAL ORDER)
 PAVERS: HARBOR STONE IRONWOOD BLEND
 BORDER PAVERS: OLD WORLD VINTAGE XLR COFFEE & SUMMER WHEAT
- (SPECIAL ORDER)
 WALL STONES: OLD WORLD STONEGATE CAMEL (SPECIAL ORDER)
 WALL ACCENT COURSE: OLD WORLD VINTAGE XLR COFFEE



STANDARD COLORS



O.W. WALNUT BLEND



O.W. SAHARA BLEND



0.W. SLATE



O.W. LIMESTONE BLEND

KEYSTONE VERAZZO STONE TONE "WALL STONES: VERAZZO STONE - WALNUT BLEND WALL CAPS: UNIVERSAL CAP - GRAY PAVERS: HOLLAND SERIES - WALNUT BLEND



KEYSTONE VERAZZO STONE SLATE WALL STONES: VERAZZO STONE - SLATE WALL CAPS: 3x24 SMOOTH CAP - LIMESTONE BLEND BLEND

PAVERS: HARBOR STONE – STERLING SMOKE



KEYSTONE VERAZZO STONETM PIERS: VERAZZO RETURN CORNERS - WALNUT BLEND PIER ACCENT COURSE: GLENSTONE - SLATE PAVERS: HOLLAND SERIES - WALNUT BLEND



STANDARD COLORS



WALNUT BLEND



RUSTIC BLEND



LIMESTONE BLEND





CHESTNUT

ELITE COLOR



GRAPHITE BLEND



MANISTEE



contains multiple pin positions allowing for a nearly vertical or offset wall.

SLATE



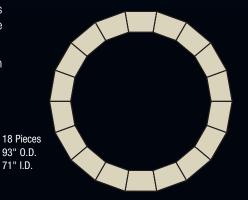


Keystone Verazzo Stone™ looks like a natural element in your yard because each unit is finished on two sides.

Size.....6"h x 16"/12"w x 10-1/2"d Exposed face area.........0.58 sq. ft. (avg.) Weight......73 lbs. Units per pallet......45 units Weight per pallet......3,272 lbs. Pins......2/block, 50/bag







VERAZZO RETURN CORNER

WALL STONES: VERAZZO STONE – CAMEL (SPECIAL ORDER) PAVERS: HOLLAND SERIES – WALNUT BLEND PAVER BORDER: HOLLAND 4x8 – SLATE





Corner Construction



24" x 24" Pier Utilizing 4-Return Corners





KEYSTONE STONEGATE

WALL STONES: STONEGATE – LIMESTONE BLEND
WALL ACCENT COURSE: STONEGATE – SLATE
WALL CAPS: 3x24 SMOOTH CAP – LIMESTONE BLEND
PAVERS: HOLLAND 4x8 – POLAR ASH
PAVER BORDER: HOLLAND 4x8 – SLATE

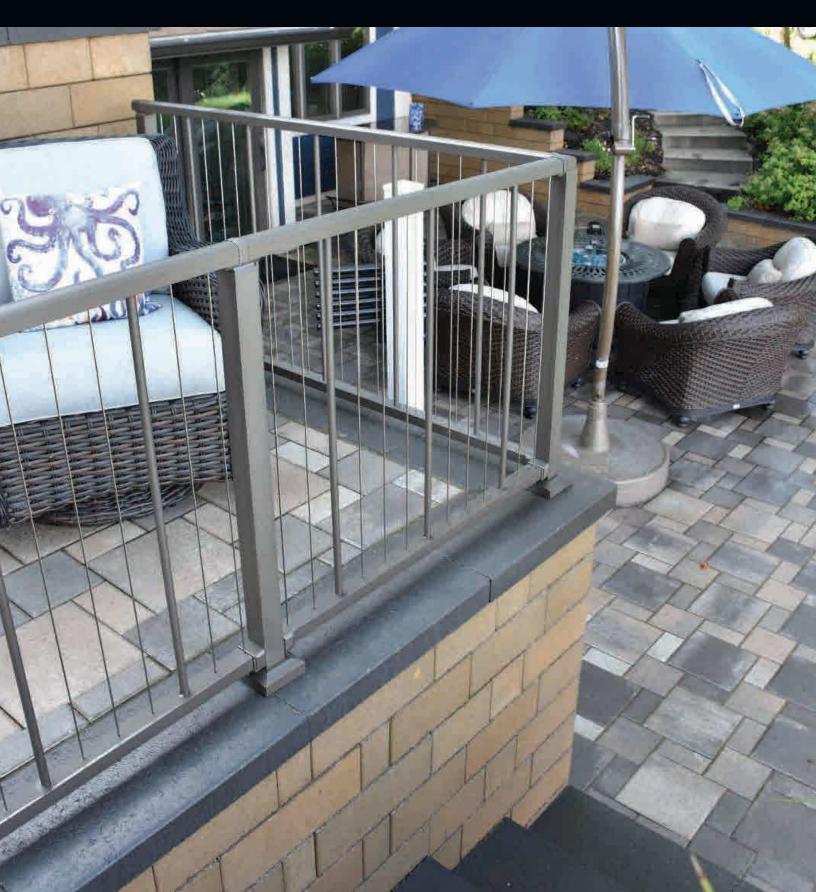


WALL STONES: STONEGATE – SAHARA BLEND WALL CAPS: 3x24 SM00TH CAP – CHESTNUT (Special order) PAVERS: HOLLAND SERIES – DUNEWOOD

KEYSTONE STONEGATE



KEYSTONE STONEGATE



WALL STONES: STONEGATE – ALABASTER WALL CAPS: 3x24 SMOOTH CAP – WHITESTONE PAVERS: HOLLAND 4x8 – WHITESTONE BORDER PAVERS: HOLLAND 4x8 – JET BLACK

KEYSTONE STONEGATE



KEYSTONE STONEGATE

WALL STONES: STONEGATE – GRAPHITE BLEND WALL CAPS: 3x24 SMOOTH CAP – WHITESTONE PAVERS: BAY STONE – AU GRES BORDER PAVERS: HOLLAND 4x8 – SLATE



KEYSTONE STONEGATE

WALL STONES: STONEGATE – SLATE
ACCENT WALL COURSE: STONEGATE – LIMESTONE BLEND
WALL CAPS: 3x24 CAP SMOOTH – LIMESTONE BLEND
PAVERS: HARBOR STONE – WALNUT BLEND



STANDARD COLORS



WALNUT BLEND



LIMESTONE BLEND



SAHARA BLEND



ELITE COLORS



GRAPHITE BLEND



ALABASTER

Set size6"h x 10"d x 32"w max.

Exposed face area1.4 sq. ft. max.

Weight/set137 lbs.

Sets per pallet20
Weight per pallet2,788 lbs.

60 lbs. (27 kg) 6"h x 10"d x 16"/14"w (150mm x 250mm x 400mm/350mm)



40 lbs. (18 kg) 6"h x 10"d x 12"/10"w (150mm x 250mm x 300mm/250mm)



25 lbs. (11 kg) 6"h x 10"d x 6"/4"w (150mm x 250mm x 150mm/100mm)



KEYSTONE OLD WORLD STONEGATE



KEYSTONE OLD WORLD STONEGATE

WALL STONES: OLD WORLD STONEGATE – SLATE WALL CAPS: 3x24 SMOOTH CAP – WHITESTONE FIRE PIT: OLD WORLD FIRE PIT BLOCK – SLATE FIRE PIT CAP: GLENSTONE – ALABASTER (field cut)



STANDARD COLORS



O.W. WALNUT BLEND



0.W. LIMESTONE BLEND



O.W. SAHARA BLEND



0.W. SLATE

ELITE COLORS



O.W. GRAPHITE BLEND



O.W. ALABASTER

Set size6"h x 10"d x 32"w max. Exposed face area1.4 sq. ft. max. Weight/set137 lbs.

Sets per pallet20 Weight per pallet2,788 lbs.

60 lbs. (27 kg) 6"h x 10"d x 16"/14"w (150mm x 250mm x 400mm/350mm)



40 lbs. (18 kg) 6"h x 10"d x 12"/10"w (150mm x 250mm x 300mm/250mm)



25 lbs. (11 kg) 6"h x 10"d x 6"/4"w (150mm x 250mm x 150mm/100mm)

STONEGATE • CAPS & STEPS

CAPS

Cap Unit (One side textured) 72 lbs. 3"h x 12"d x 24"w



PINS

Stonegate Shouldered Pin

5-1/4" long 1/2" diameter

3/4" diameter at shoulder

100 pins/box

5 pins/set of Stonegate

1 box (100 pins) per pallet of Stonegate



COUNTRY CORNER

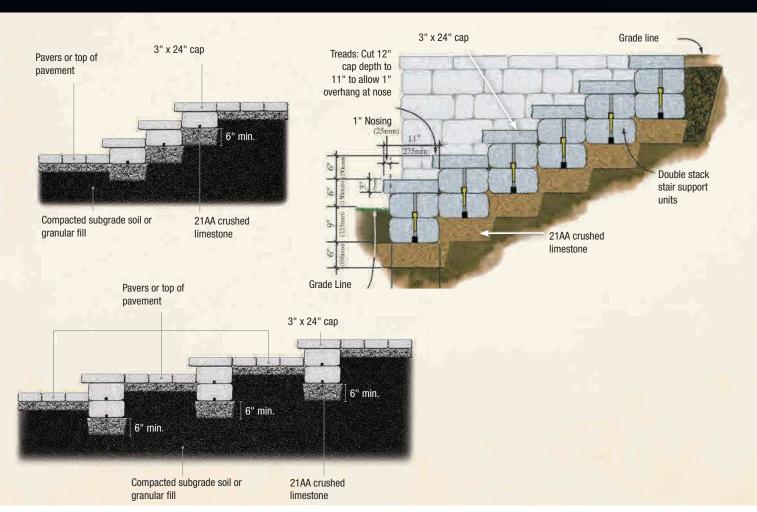


The 3" x 12" x 12" Country Corner coping corner unit allows the user to make attractive and simple-to-build 90 degree corners when capping a wall using the 3" x 12" x 24" cap. It has two faces, either textured or smooth to match the 24" caps with one side textured or with all smooth sides. This eliminates the need to make difficult miter cuts and also allows the user to make attractive caps for the 20", 26", 30" and 38" Stonegate piers (See page 83).

Size	3"h x 12"d x 12
Exposed face area	1/4 sq. ft. (3" x
Weight	
Units per pallet	96 units
Weight per pallet	3,504 lbs.



STEP DETAILS



STONEGATE • PIERS

PIER AND PIER CAP DETAILS

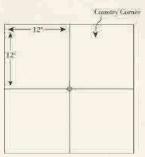
20" Pier



20" Pier, 1st and odd numbered courses



20" Pier, 2nd and even numbered courses



Small Pier Cap: Size: 24" square For 20" pier or center top cap of larger piers.

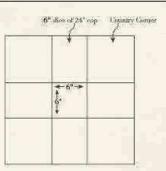
26" Pier



26" Pier, 1st and odd numbered courses



26" Pier, 2nd and even numbered courses



Cap for 26" Pier: Size: 30" square

Note: Leave 6" square in center open for plantings or cover with 24" pier cap.

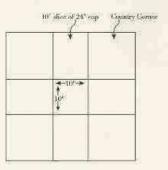
30" Pier



30" Pier, 1st and odd numbered courses



30" Pier, 2nd and even numbered courses



<u>Cap for 30" Pier:</u> Size: 34" square Note: Leave 10" square in center open for plantings or cover with 24" pier cap.

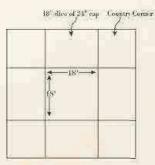
38" Pier



38" Pier, 1st and odd numbered courses



38" Pier, 2nd and even numbered courses



Cap for 38" Pier: Size: 42" square

Note: Leave 18" square in center open for plantings
or cover with 24" pier cap. (24" pier cap for
center may need to be glued at the joints
ahead of time and allowed to set up prior to
installation.)

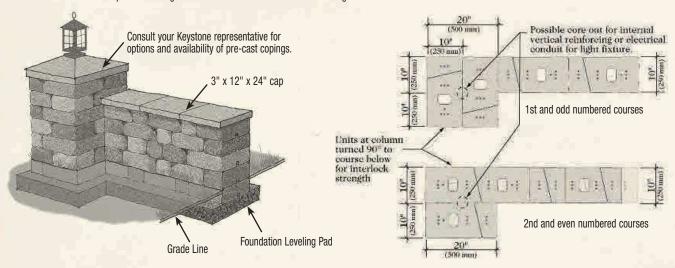
STONEGATE • DESIGN DETAILS

DESIGN DETAILS

FREE-STANDING WALL APPLICATIONS

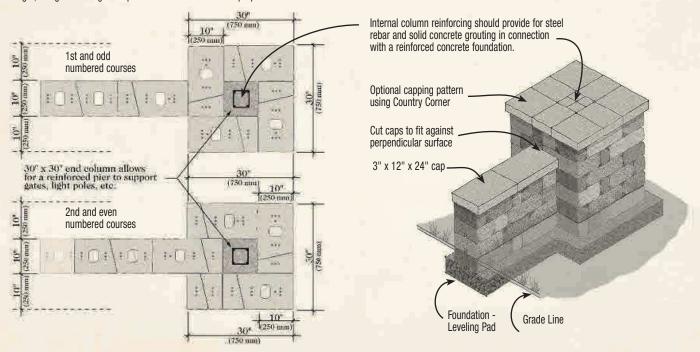
Column Corner

Similar to the "L" Return End wall detail, the Column Corner utilizes a 20" x 20" column geometry to develop an integrated pier at the end of a running wall. The detail offers visual aesthetic interest as well as provides strength at the termination end of the free-standing wall.



Wall End Column

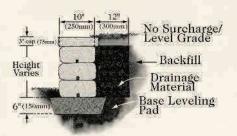
The Wall End column is a larger version of the "Column Corner" detail. The benefit of this design option is the development of internal reinforcement to provide for greater strength and height, along with a larger footprint dimension for aesthetic purposes.



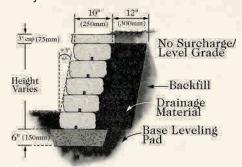
STONEGATE • DESIGN DETAILS

DESIGN CONSIDERATIONS

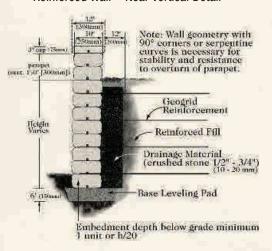
Gravity Wall - Near Vertical Detail



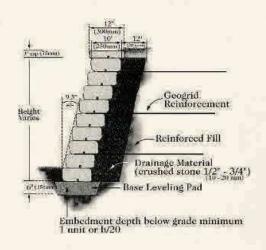
Gravity Wall – Setback Detail 9.5° + Batter



Reinforced Wall - Near Vertical Detail



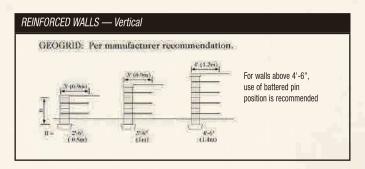
Reinforced Wall – Setback Detail 9.5° + Batter

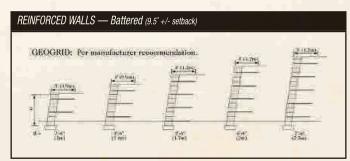


GRAVITY WALLS (maximum unreinforced wall height)									
Maximum	Near V	ertical	9.5	5° +/- Batter					
Height	Level	3H:1V	Level	3H:1V					
SAND/GRAVEL	2'-0"	1'-6"	3'-0"	2'-6"					
$PHI = 34^{\circ}$	(0.6m)	(0.45m)	(0.9m)	(0.75m)					
SILTY SAND	1'-6"	1'-6"	2'-6"	2'-0"					
$PHI = 34^{\circ}$	(0.45m)	(0.45m)	(0.75m)	(0.6m)					
SILT/LEAN CLAY	1'-6"	1'-0"	2'-0"	1'-6"					
$PHI = 26^{\circ}$	(0.45m)	(0.3m)	(0.6m)	(0.45m)					

DESIGN NOTES

- Friction angle (PHI) for earth pressure calculations is min. 28° max. 32°
- Moist weight of all soil types is 120 lbs./ft.³ (19kN/m2)
- Sliding calculations use 6" (150mm) crushed stone leveling pad as compacted foundation material
- All backfill materials are compacted to 95% maximum density
- The term "vertical" implies a wall built to a near vertical alignment with a slight positive setback
- The information provided herein is for preliminary design use only. A
 qualified engineer should be consulted for design and analysis of
 structures. Keystone Retaining Wall Systems, Inc. assumes no liability for the improper
 use of these tables





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KEYSTONE COMPACS

COMPAC 3 STRAIGHT SPLIT

 Size
 8"h x 18"w x 12"d

 Exposed face area
 1 sq. ft. (8" x 18")

 Weight
 77 lbs.

 Units per pallet
 36 units

 Weight per pallet
 2,772 lbs.

INVENTORIED COLORS: WALNUT / LIMESTONE / MANISTEE / SAHARA / GREY / GRAPHITE







COMPAC HEWNSTONE

 Size
 8"h x 18"w x 12"d

 Exposed face area
 1 sq. ft. (8" x 18")

 Weight
 75 lbs.

 Units per pallet
 36 units

 Weight per pallet
 2,700 lbs.

> INVENTORIED COLORS: WALNUT / LIMESTONE / SAHARA / SLATE



COMPAC CONTEMPORARY

 Size
 8"h x 18"w x 12"d

 Exposed face area
 1 sq. ft. (8" x 18")

 Weight
 75 lbs.

 Units per pallet
 36 units

 Weight per pallet
 2,700 lbs.

> INVENTORIED COLORS: WALNUT / LIMESTONE / CARBON BLEND





DESERT BROWN

COMPAC SCULPTURED SPLIT

 Size
 8"h x 18"w x 11"d

 Exposed face area
 1 sq. ft. (8" x 18")

 Weight
 77 lbs.

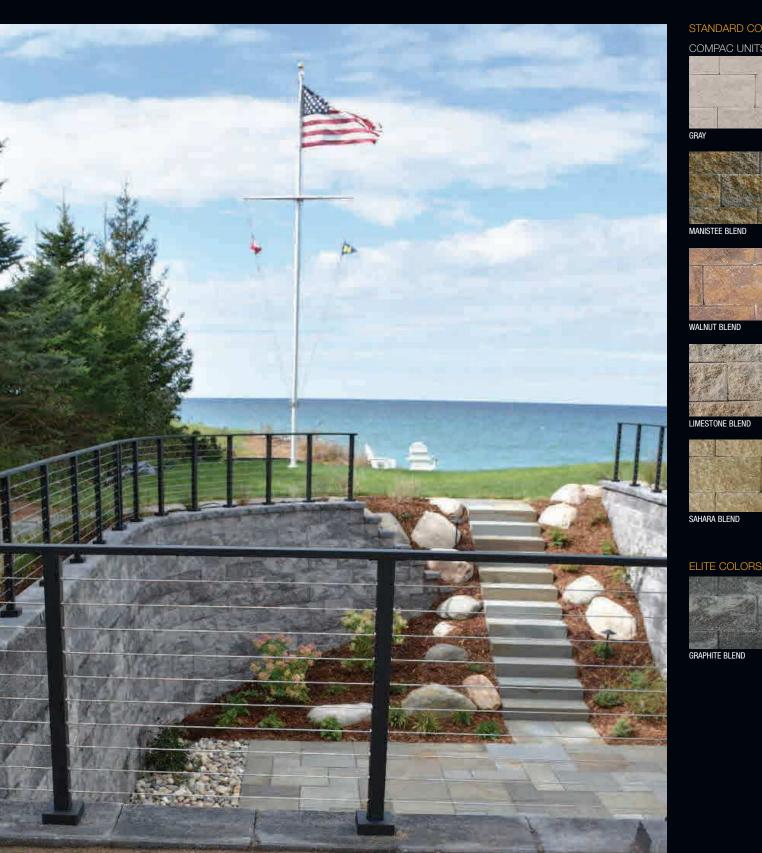
 Units per pallet
 36 units

INVENTORIED COLORS: ALL SPECIAL ORDER.















GRAPHITE BLEND

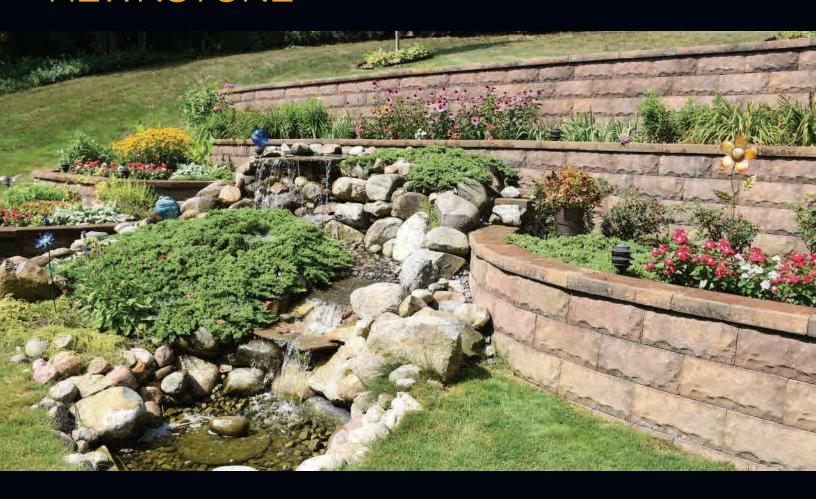


KEYSTONE COMPAC HEWNSTONE



KEYSTONE COMPAC HEWNSTONE

- WALL STONES: COMPAC HEWNSTONE WALNUT BLEND WALL CAPS: 3x24 SMOOTH CAP – WALNUT BLEND
- **>** BOTTOM: PIER: COMPAC HEWNSTONE RETURN CORNER SLATE





8" x 18" x 9" Hewnstone Return Corner

KEYSTONE COMPAC HEWNSTONE UNIT:

Size	8"h x 18"w x 11"d
Exposed face area	1 sq. ft. (8" x 18")
Weight	86 lbs.
Units per pallet	36 units
Weight per pallet	3 096 lbs



Size	8"h x 18"w x 9"c
Weight	100 lbs.
Units per pallet	30 units
Weight per pallet	3.000 lbs.













SLATE

KEYSTONE COMPAC CONTEMPORARY



KEYSTONE COMPAC SCULPTURED SPLIT

Like Keystone Straight Split, Keystone Sculptured Split wall stones offer a traditional and classic presentation. But you can add a creative flair with Keystone Sculptured Split wall stones. Turn any landscaping project — large or small — into a work of art!

KEYSTONE COMPAC SCULPTURED SPLIT (SPECIAL ORDER ONLY)

- RIGHT:
 8" COMPAC SCULPTURED SPLIT DESERT BROWN
- > BELOW: 8" COMPAC SCULPTURED SPLIT – DESERT BROWN
- > BELOW RIGHT: 8" COMPAC SCULPTURED SPLIT – DESERT BROWN







KEYSTONE STANDARDS





STRAIGHT SPLIT

(Available on Special Order Basis Only)

> WALNUT BLEND



SCULPTURED SPLIT

(Available on Special Order Basis Only)

> DESERT BROWN



8" STANDARD STRAIGHT SPLIT



 Size
 8"h x 18"w x 22"d

 Exposed face area
 1 sq. ft. (8" x 18")

 Weight
 127 lbs.

 Units per pallet
 20 units

 Weight per pallet
 2,540 lbs.

8" STANDARD SCULPTURED SPLIT



 Size
 8"h x 18"w x 22"d

 Exposed face area
 1 sq. ft. (8" x 18")

 Weight
 119 lbs.

 Units per pallet
 20 units

 Weight per pallet
 2,380 lbs.

8" 90° CORNER



 Size
 8"h x 18"w x 9"d

 Exposed face area
 1 sq. ft. (8" x 18")

 Weight
 86 lbs.

 Units per pallet
 30 units

 Weight per pallet
 2,580 lbs.

FIBERGLASS PIN



5-1/4" long 1/2" diameter 100 pins/box Two pins needed for each Mini, Compac and Standard

FIRE PIT BLOCK

- LEFT SIDE FIRE PIT: 4' FIRE PIT BLOCK – SLATE FIRE PIT CAP: 4' RADIUS GLENSTONE – SLATE PAVERS: HARBOR STONE – STERLING SMOKE BORDER PAVERS: HOLLAND 4x8 – JET BLACK
- ➤ RIGHT SIDE FIRE PIT: 3' FIRE PIT BLOCK – WALNUT BLEND FIRE PIT CAP: 3' RADIUS GLENSTONE – SLATE PAVERS: HOLLAND SERIES – WALNUT BLEND BORDER PAVERS: HOLLAND 4x8 – WHITESTONE



STANDARD COLORS



WALNUT BLEND



LIMESTONE BLEND



SLATE

These three colors stocked in:

- 3' Fire Pit Block
- 4' Fire Pit Block
- 4" Radius Cap Block

	FIRE PIT BLOCKS - BASE UNITS	
4 feet	Inside Circle Diameter	3 feet
5 1/2"	Height	5 1/2"
12	Units per Course	9
75	Units per Pallet	75
38.8	Pounds per Unit	37.8
2,910	Pounds per Pallet	2,835
	RADIUS - CAP UNITS	
4"	Height	4"
16	Units per Course	12
96	Units per Pallet	96
27.6	Pounds per Unit	27.6
2,645	Pounds per Pallet	2,650

OLD WORLD FIRE PIT BLOCK

FIRE PIT: OLD WORLD FIRE PIT BLOCK – LIMESTONE BLEND
FIRE PIT CAP: OLD WORLD 4' RADIUS GLENSTONE – LIMESTONE BLEND
WALLS: OLD WORLD STONEGATE – LIMESTONE BLEND
WALL ACCENT COURSE: OLD WORLD VINTAGE XLR – BURGUNDY BLEND (SPECIAL ORDER)
PAVERS: OLD WORLD VINTAGE – LIMESTONE BLEND
ACCENT PAVERS: OLD WORLD VINTAGE XLR – BURGUNDY BLEND (SPECIAL ORDER)



The installation of an optional metal ring may extend the life of the Fire Pit blocks.



STANDARD COLORS



O.W. WALNUT BLEND



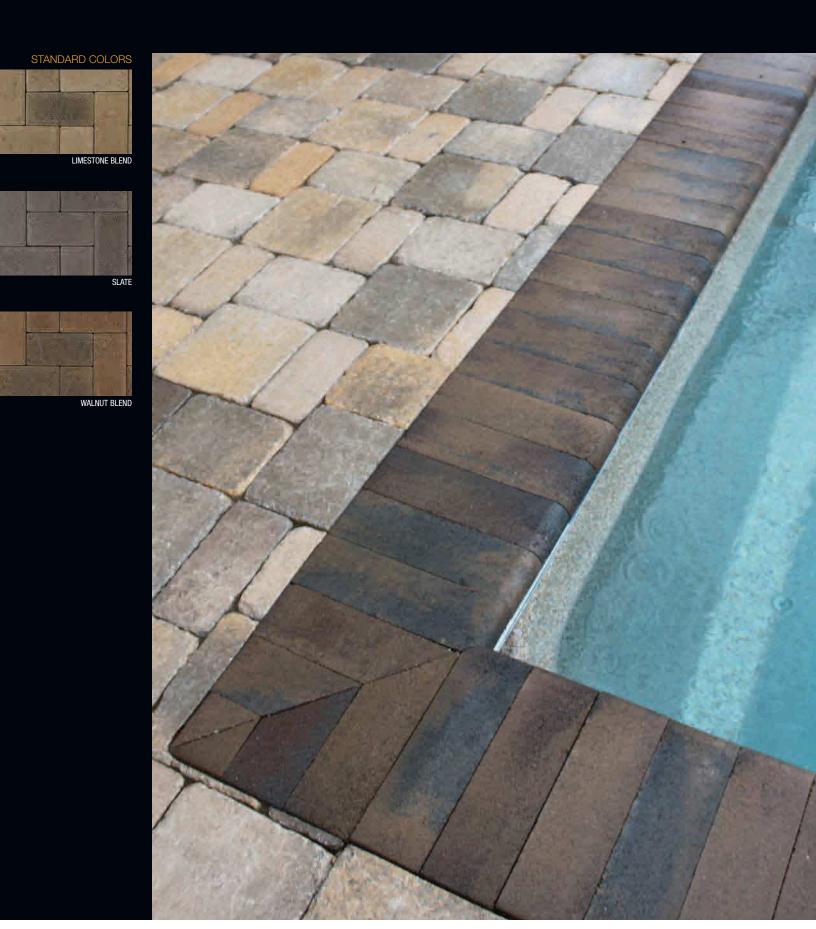
O.W. LIMESTONE BLEND



These three colors stocked in:

0.W. 3' Fire Pit Block 0.W. 4' Fire Pit Block O.W. 4' Radius Cap Block

COPING STONE



WALL CAPS & STAIR TREADS

Inventoried Colors

12" x 12" COUNTRY CORNER CAP

- Chestnut
- Limestone Blend
- Sahara Blend
- Walnut Blend
- Whitestone

3" x 24" CAP SINGLE FACE SOFT SPLIT

- Limestone Blend
- Walnut Blend

COPING STONE

- Limestone Blend
- Slate
- Walnut Blend



3" x 24" SINGLE FACE SOFT SPLIT CAP

COPING STONE









Inventoried Colors

UNIVERSAL CAP

- Chestnut
- Graphite Blend
- Grey
- Limestone Blend
- Manistee Blend
- Rustic Blend
- Sahara Blend
- Slate
- Walnut Blend

3" x 24" CAP ALL SMOOTH

- Chestnut
- Limestone Blend
- Rustic Blend
- Sahara Blend
- Slate
- Walnut Blend
- Whitestone

UNIVERSAL STAIR TREAD (SPECIAL ORDER ONLY)

GLENSTONE BULLNOSE LEFT TO RIGHT

- Sahara Blend
- Slate
- Limestone Blend
- Whitestone Special Order
- Walnut Blend





OLD WORLD GLENSTONE BULLNOSE LEFT TO RIGHT

- Sahara Blend
- Slate
- Limestone Blend
- Whitestone Special Order
- Walnut Blend

	12" x 12" Country Corner Cap	Universal Cap	3" x 24" Soft Split Cap	3" x 24" All Smooth Cap	Coping Stone	Stair Tread	Glenstone Bullnose
Size (inches)	3"h x 12"w x 12"d	3-1/2"h x 18"w x 12"d	3"h x 24"w x 12"d	3"h x 24"w x 12"d	2-3/8"h x 3-7/8"w x 12-7/8"d	3-1/2"h x 18"w x 20"d	4"h x 8"w x 12"d
Weight per unit (lbs.)	36	62	70.1	71.5	9.915	106	29.7
Units per pallet	96	56	48	48	117	28	96
Weight per pallet (lbs.)	3,456	3,472	3,365	3,432	1,160	2,968	2,858

WALL STONES — INVENTORIED COLORS AND SHAPES

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	æ	BLEND	Y BLE	SLEND	_	BLEN		¥	D BLE	E BLE	BLEN	LEND	SLEND		SMO	3LEND	JNE
	ALABASTER	ANTIQUE BLEND	BURGUNDY BLEND	CARBON BLEND	CHESTNUT	GRAPHITE BLEND	GRAY	GREYSTONE	IRONWOOD BLEND	LIMESTONE BLEND	MANISTEE BLEND	RUSTIC BLEND	SAHARA BLEND	SLATE	STERLING SMOKE BLEND	WALNUT BLEND	WHITESTONE
CAPS	¥	¥	番	25	Ö	5	5	5	<u>~</u>	5	ž	표	33	ᅜ	SI	×	>
12x12 Cap (Smooth)					•					•			•	•		•	•
3x24 Cap (Smooth)					•					•		•	•	•		•	•
3x24 Cap (Split Face One Face)										•				•		•	
Universal Cap					•	•	•			•	•	•	•	•		•	
COMPAC SERIES - 8x18x11																	
Contemporary (Smooth)				•						•						•	
Contemporary Return Corner				•						•						•	
Hewnstone										•			•			•	
Hewnstone Return Corner										•			•	•		•	
Sculptured Split																	
Straight Split						•	•			•	•		•			•	
90-Degree Return Corner 8x18x9						•	•			•	•		•			•	
FIRE RIT RI COVO																	
FIRE PIT BLOCKS														•			
Fire Pit - 4'										•						•	
Fire Pit – Old World (OW) - 4' Fire Pit - 3'										•							
Fire Pit – Old World (OW) - 3'										•				•			
THOTIC GIG WORLD (OTF)																	
GARDENWALL		•					•			•		•		•		•	
GLENSTONE SERIES																	
Glenstone			•		•			•	•	•		•	•		•	•	
Glenstone – Old World (OW)			•		•			•	•	•		•	•	•	•	•	
Glenstone Bullnose										•			•	•		•	
Glenstone Bullnose – Old World (OW)										•			•	•		•	
Glenstone Radius										•				•		•	
Glenstone Radius – Old World (OW)										•				•		•	
KEYSTONE STANDARD - 8x18x22																	
STONEGATE SERIES - 6"																	
Stonegate 6" Contemporary (Smooth)	•					•				•			•	•		•	
Stonegate 6" – Old World (OW)	•					•				•			•	•		•	
VERAZZO STONE SERIES																	
Verazzo - 6"					•	•				•	•	•	•	•		•	
Verazzo 6" Return Corner					•	•				•	•	•	•	•		•	

FENDT LANDSCAPE WALL COLORS

Fendt offers a wide variety of colors and geometric shapes to meet your specific requirements. Don't see what you need? Fendt can custom manufacture any of the shapes shown, in any color your imagination desires. Your Fendt representative can also discuss Fendt's custom color and texture matching technology. Just bring us a brick or a portion of an existing retaining wall and we'll match the color and texture to add the perfect personalized finishing touch to any commercial or residential job.



ANTIQUE BLEND

LIMESTONE BLEND



WALNUT BLEND



RUSTIC BLEND



VERAZZO COLORS



WALNUT BLEND



SLATE

RUSTIC BLEND



LIMESTONE BLEND



SLATE



SAHARA BLEND



GRAPHITE BLEND



MANISTEE BLEND

STONEGATE COLORS (Shown in Old World texture)



WALNUT BLEND

SLATE



LIMESTONE BLEND

GRAPHITE BLEND





ALABASTER



COMPAC COLORS













GLENSTONE COLORS (Shown in Old World texture)



WALNUT BLEND



BURGUNDY BLEND









SAHARA BLEND

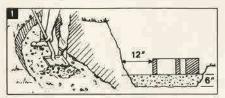
LIMESTONE BLEND





BASIC PRODUCT INSTALLATION



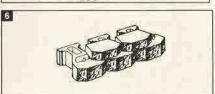












The Keystone Retaining Wall System was developed with simplicity of construction in mind. The following steps will guide you from start to finish.

■ STEP 1: PREPARATION OF BASE LEVELING PAD

Excavate a shallow trench to the designed length and width dimensions for your Keystone wall. Provide 12" behind the Keystone unit to allow for a granular backfill drainage zone. Keystone units should be placed on a 6" leveling pad of compacted well draining fill (i.e., sand, 1/2" to 3/4" crushed stone or gravel) at 95% Standard Proctor compaction or equal. Provide additional trench depth for below grade placement of Keystone units on a ratio of 1" below grade for each 8" of wall height above grade.

■ STEP 2: INSTALLING THE BASE COURSE

Install the first course of Keystone units side by side over the prepared base. Level each unit side to side and front to back. Place the units such that the kidney-shaped void is on the bottom surface. Line up pins or back edge of the unit for straight wall alignment. Units should touch side point to side point as diagrammed.

■ STEP 3: INSTALLING THE INTERLOCKING PINS

Place the reinforced fiberglass pins into the paired holes in each Keystone unit. Provide pins of correct length for appropriate unit size. Once in place, the pins will allow an automatic setback when installing additional courses as per STEP 5.

■ STEP 4: INSTALLING BACKFILL AND COMPACTION

Fill all voids in and between Keystone units and behind units 12". This fill should consist of 1/2" to 3/4" crushed stone or clean, well-draining granular fill. This allows for water drainage and compacts easily. Compact to eliminate potential settlement. Backfill behind gravel drainage zone using existing soils. (NOTE: Heavy clays or organic soils are not recommended due to water holding properties.) Compact to 95% Standard Proctor. Backfill in 8" lifts on a course basis.

NOTE: Only lightweight walk-behind mechanical compaction equipment should sweep the units to remove small pebbles, debris, etc., so the units rest evenly upon one another. Backfill and compact at every 8" course.

■ STEP 5: INSTALLING ADDITIONAL COURSES

Place the next course of Keystone units over the positioned fiberglass pins so they are centered on and will bridge two units below in a running bond pattern. Pins should fit into kidney-shaped recesses on bottom of units. Pull the Keystone module toward the face of the wall until the module makes full contact with both pins. Repeat STEPS 3, 4, and 5.

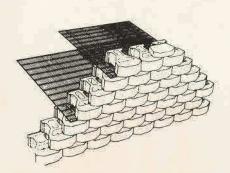
■ STEP 6: INSTALLING KEYSTONE CAPS

Use Keystone cap units to complete your wall. Place the Keystone cap over the projecting pins on the unit below. Pull forward to the automatic set back position. Backfill and compact to finish grade. **NOTE:** In areas of high public accessibility and vandalism, we recommend construction adhesive or epoxy cement be used around the perimeter underside of the cap prior to unit placement.

The above installation guidelines apply to all Keystone unit sizes. These installation procedures do not take into account geological variations in site and soil conditions and, therefore, may require engineering consideration and detail. The final design and construction of a wall is the responsibility of the owner, not Fendt Builder's Supply, Inc., or Keystone Wall Systems, Inc.

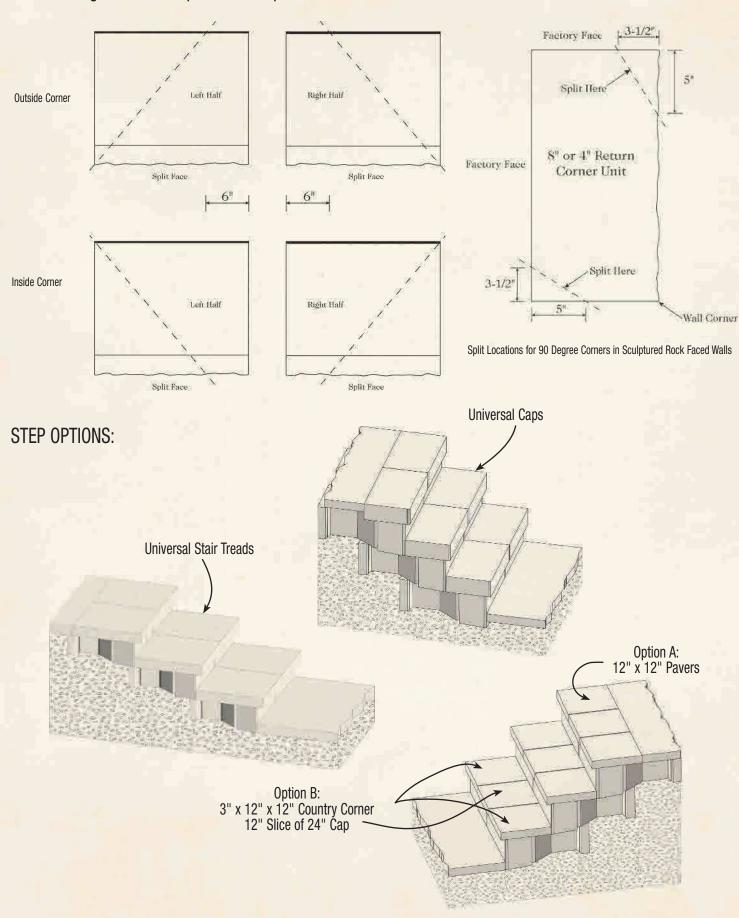
GEOGRID INSTALLATION (PATENTED PROCEDURES)

For taller, more critical walls where geogrid is required to resist greater lateral earth pressures, use the following steps for installation:



- STEP 1: Follow steps 1 through 4 of BASIC PRODUCT INSTALLATION.
- **STEP 2:** Excavate the reinforced soil area to the maximum embedment length.
- **STEP 3:** Cut sections of geogrid off roll to the specified length. Place geogrid in proper orientation (i.e., roll out from wall toward embankment). Check manufacturer's criteria for biaxial or uniaxial geogrids.
- STEP 4: Hook geogrid over Keystone fiberglass pins, assuring a secure connection between unit and geogrid.
- **STEP 5:** To pretension geogrid, pull the pinned geogrid taut to eliminate loose folds. Stake or secure back edge of the geogrid prior to and during backfill and compaction.
- STEP 6: Install the next course of Keystone retaining wall
- STEP 7: Proceed to place compacted backfill over geogrid in 8" lifts. Provide minimum 6" soil coverage prior to driving equipment over grid. Avoid tracked or wheeled vehicles directly on grid, or turning on grid.
- **STEP 8:** Continue steps 3 through 7 until the retaining wall is complete.

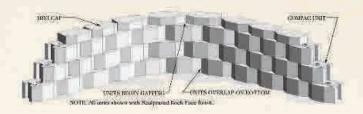
Miter Cutting Universal Cap Units to Cap Inside and Outside 90° Corners



CURVES AND CORNERS

CONCAVE CURVES INSTALLATION PROCEDURES:

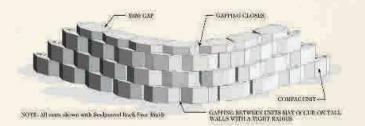
- Follow standard installation instructions for preparation of the subgrade and the leveling pad.
- 2. Overlap the corners of the base course. The amount of overlap will vary based on the size of the curve. Gapping will occur as the units batter or move away from the point of radius. The rate of gapping is controlled by the severity of the batter (i.e., a 1:8 batter will gap more quickly than a 1:128 batter). The distance between the pin holes of adjacent first course units should not exceed 12" on center. For best visual appearance, a maximum 1/2" to 3/4" gap is recommended.
- 3. Follow standard installation instructions for backfilling and placement of additional courses.
- If geogrid reinforcement is used, refer to manufacturer's recommendations for proper placement of this material along concave curves and corners.
- 5. Depending on wall height, radius and batter selection, some gapping between units may occur. If gaps exceed acceptable limits, redrill new pin holes as needed, using a 5/8" masonry bit, and realign units to close the gaps.

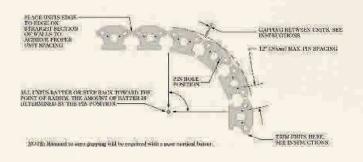




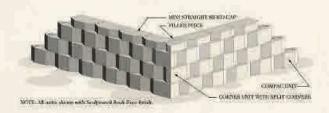
CONVEX CURVES INSTALLATION PROCEDURES

- 1. Follow standard installation instructions for preparation of subgrade and leveling pad.
- 2. Place base course units with a small gap between adjacent units. This gap will close with the placement of each additional course of Keystone units as the units batter and converge toward the point of radius. The rate of closure is controlled by the severity of the batter (i.e., a 1:8 batter will close more quickly than a 1:128 batter). A maximum of 1/2"-3/4" gap is recommended for best visual appearance. To achieve this, the distance between the pin holes on adjacent first course units should not exceed 12" on center.
- 3. Follow standard installation instructions for backfilling and placement of additional courses.
- If geogrid reinforcement is used, refer to manufacturer's recommendations for proper placement of this material along convex curves.
- 5. Depending on wall height, radius and batter selection, some binding between units may occur. If this prohibits proper placement of additional units, try one of the following suggestions:
 - Trim unit corners using either a masonry chisel or concrete saw.
 - Push units back and realign. Redrill pin holes as needed using a 5/8" masonry bit.





90° OUTSIDE CORNER

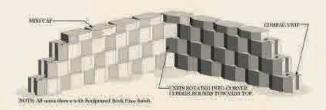








90° INSIDE CORNER - ROUNDED



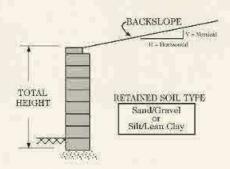






GRAVITY WALL DESIGN CHARTS

NEAR VERTICAL WALL

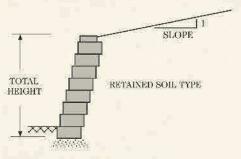


STANDARD UNITS

COMPAC UNITS

MAXIMUM GRAVITY WALL HEIGHT CHART									
Near Vertical Wall	Backslope								
Soil Type	Level	4H:1V	3H:1V	2H:1V					
Sand/Gravel	2.9' (0.9m)	2.3' (0.71m)	2.3' (0.71m)	2.3' (0.71m)					
Silty Sand	2.3' (0.71m)	2.3' (0.71m)	1.7' (0.51m)	1.7' (0.51m)					
Silt/Lean Clay	2.3' (0.71m)	1.7' (0.51m)	1.7' (0.51m)	1.0' (0.30m)					

ONE INCH SETBACK WALL



ONE INCH SETBACK WALL (1" min. setback per unit)

STANDARD UNITS

MAXIMUM GRAVITY WALL HEIGHT CHART									
Near Vertical Wall	Backslope								
Soil Type	Level	4H:1V	3H:1V	2H:1V					
Sand/Gravel	6.8' (2.1m)	6.2' (1.9m)	5.9' (1.8m)	5.3' (1.6m)					
Silty Sand	6.1' (1.9m)	5.5' (1.7m)	5.2' (1.6m)	4.4' (1.3m)					
Silt/Lean Clay	5.3' (1.6m)	4.5' (1.4m)	4.1' (1.2m)	3.2' (1.0m)					

COMPAC UNITS (1" SETBACK OPTION AVAILABLE IN STRAIGHT FACE AND HEWNSTONE UNITS ONLY)

MAXIMUM GRAVITY WALL HEIGHT CHART									
Near Vertical Wall	Backslope								
Soil Type	Level	4H:1V	3H:1V	2H:1V					
Sand/Gravel	3.67' (1.20m)	3.67' (1.20m)	3.00' (0.91m)	3.00' (0.91m)					
Silty Sand	3.00' (0.91m)	3.00' (0.91m)	3.00' (0.91m)	2.33' (0.71m)					
Silt/Lean Clay	3.00' (0.91m)	2.33' (0.71m)	2.33' (0.71m)	<1.00' (0.30m)					

GEOGRID CHART NOTES

The Keystone geogrid charts are graphically presented to show the proper orientation and lengths of geogrids used with Standard and Compac Units at the near vertical batter.

Heights were set in two-block increments beginning at 4.3' and ending at 11'. Engineering judgement should be used when interpolating between heights. Heights under the 4.3' height shown may require geogrid reinforcement depending upon the units used, soil types and surcharge loadings.

Soil ranges were selected to approximate good, medium and poor soil conditions to concisely cover the typical design range. Wall height is the total height of the wall from leveling pad to the top of the wall. The charts assume the use of a lower strength geogrid, and can be used safely with the following materials:

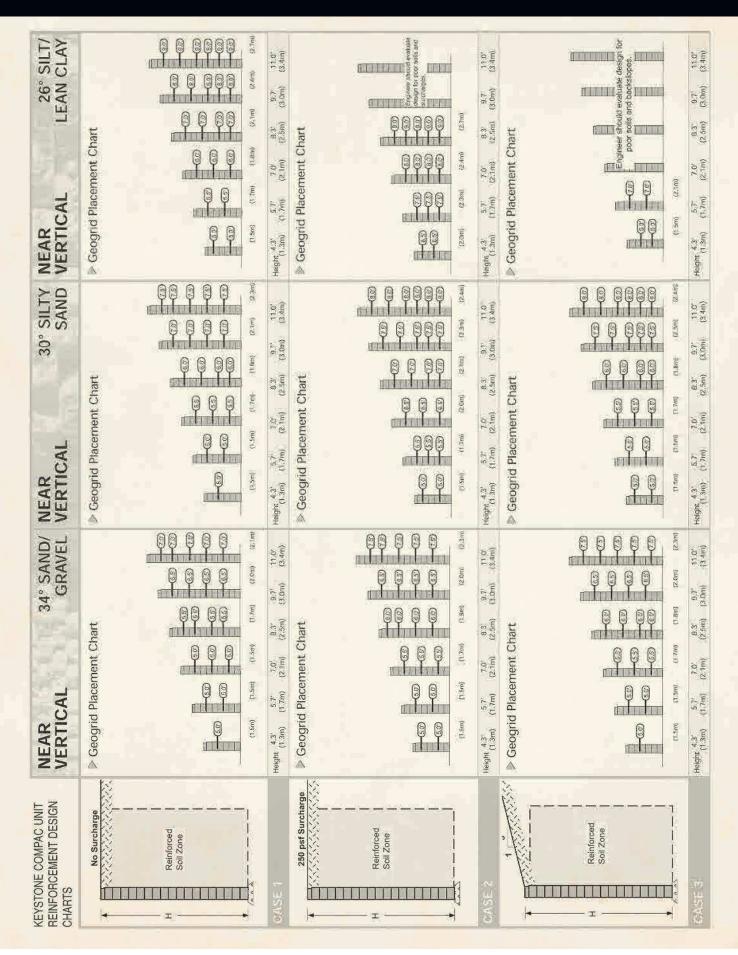
Synteen SF35 Stratagrid 200 by Strata Systems Mirafi 3XT

All geogrid lengths shown are the actual lengths of geogrids required as measured from the connection points to the end of the geogrid.

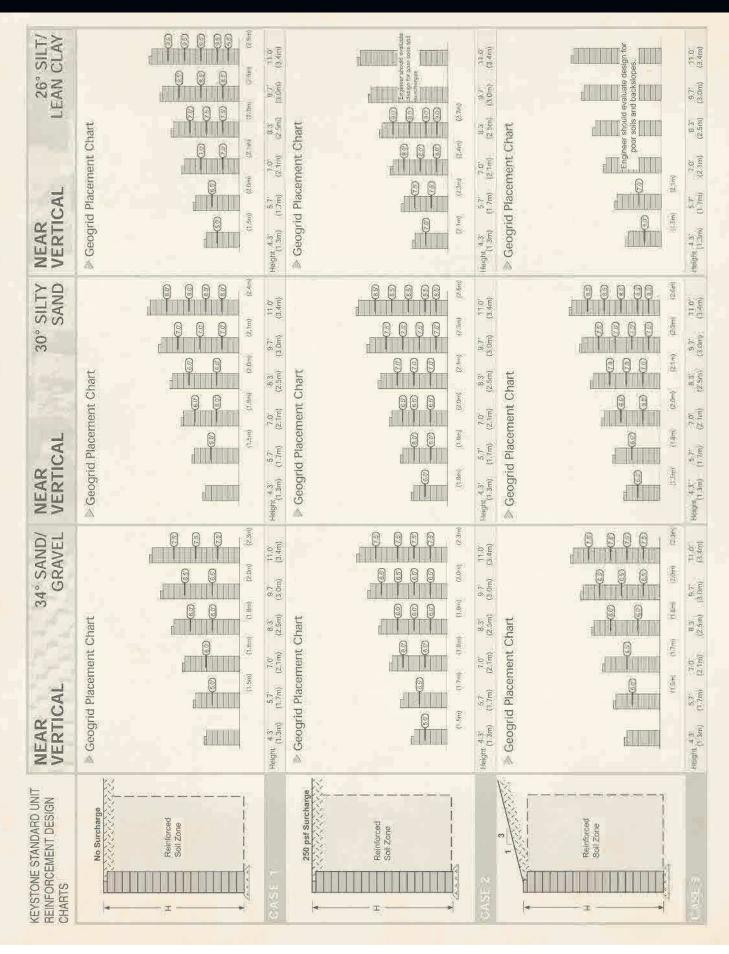
The design charts assume that the walls are constructed in accordance with Keystone specifications and good construction practice. All soils must be compacted in 8" lifts to 95% Standard Proctor density as determined by laboratory testing.

The information contained in the design charts is for preliminary design use only. A qualified professional should be consulted for final design assistance. Keystone accepts no liability for the improper use of these charts.

DESIGN CHARTS FOR KEYSTONE COMPAC



DESIGN CHARTS FOR KEYSTONE STANDARD

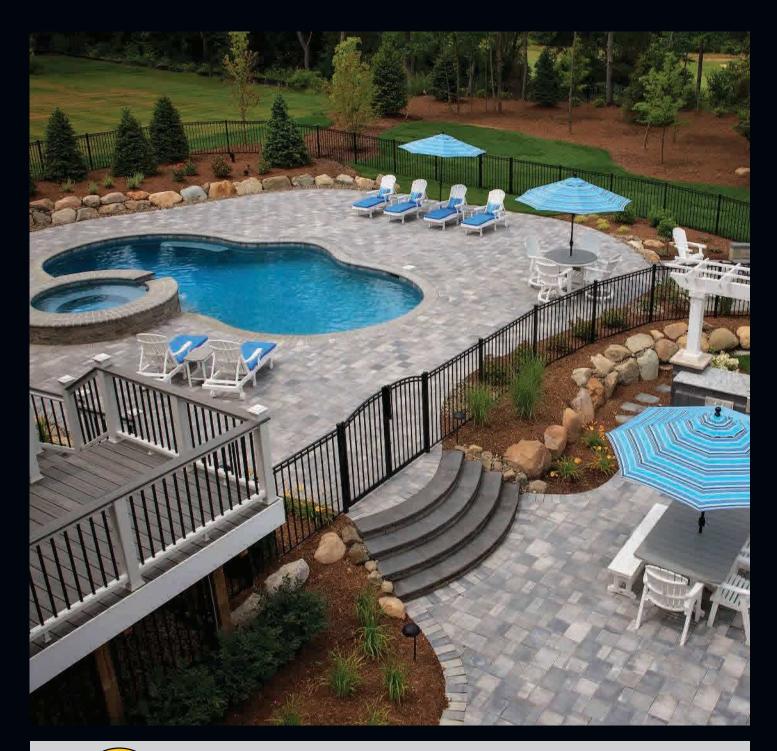


PAVER & WALL STONE REFERENCE GUIDE

INVENTORIED PAVERS	Description	Units Per Sq. Ft.	Sq. Ft. Per Cube	Units Per Cube	Weight Per Sq. Ft.	Weight Per Cube	Sq. Ft. Per Strap
Holland 4" x 8"	2-3/8" Thick	4.5	108	486	28	3,024	18
Holland 8" x 8"	2-3/8" Thick	2.25	96	216	28	2,688	16
Holland 12" x 12"	2-3/8" Thick	1	72	72	28	2,016	18
Harbor Stone & Bay Stone	2-3/0 IIIICK	'	12	12	20	2,010	10
Mega Large Rectangle	9-1/2" x 14-1/4" x 2-3/8"	1.06	90	96	28	2,688	30
Large Square	9-1/2" x 9-1/2" x 2-3/8"	1.6	97	160	28	2,716	19.4
	9-1/2" x 4-3/4" x 2-3/8"	3.1	90	280	28	2,509	17.92
Extra Large Rectangle Vintage Series - Circle Cube	9-1/2 X 4-3/4 X 2-3/8	3.1	90	280	20	2,509	17.92
	4-3/4" x 4-3/4" x 2-3/8"	6.3	8.85	56	28		
Square	-7 -7 -7	8.3		120	28		
Large Circle Small Circle	4-11/16" x 4-5/16" x 2-3/8"		14.45				_
	4-11/16" x 4-5/16" x 2-3/8"	8.7	1.8	16	28	_	
Half Stone	4-3/4" x 3-5/8" x 2-3/8"	8.4	10.0	84	28		
Center Stone	4-3/4" x 3-5/8" x 2-3/8"	9	0.4	4	28		
Totals For Cube			35.5	280		994	
Vintage Series - Square & Small Rectangle Cube							
Square	4-3/4" x 4-3/4" x 2-3/8"	6.3	68.6	432	28		_
Small Rectangle	4-3/4" x 2-7/16" x 2-3/8"	12.6	11.4	144	28	_	_
Totals For Cube			80	576		2,240	
Vintage Large Rectangle Cube	7-1/8" x 4-3/4" x 2-3/8"	4.2	80	336	28		13.33
Old World Holland	2-3/8" Thick	4.5	108	486	28	3,024	_
Old World Vintage	2-3/8" Thick		80 (Square Cube)	504	28	2,240	_
	2-3/8" Thick	_	80 (Lg. Rectangle Cube)	336	28	2,240	_
	2-3/8" Thick	_	90 (XL Rectangle Cube)	280	28	2,509	_
	2-3/8" Thick	_	91 (DL Rectangle Cube)	200	28	2,548	_
	2-3/8" Thick	_	97 (Lg. Square Cube)	160	28	2,716	_
Old World Vintage Circle	2-3/8" Thick	_	35.5 (Crate)	_	28	994	_
SPECIAL ORDER PAVERS							
Arrowhead™	2-3/8" Thick	4.8	78.75	378	28	2,205	11.25
Euro Stone (Use With Arrowhead)	2-3/8" Thick	3.7	102	378	28	2,856	14.57
Carousel Series - Circle Cube							
Square	4-1/2" x 4-1/2" x 2-3/4"	7.11	27.84	198	33	_	_
Small Rectangle	4-1/2" x 2-1/4" x 2-3/4"	14.12	.84	12	33	_	_
Large Circle	4-1/2" x 4-1/2" x 2-3/4"	8.3	23.10	192	33		_
Small Circle	3-3/8" x 4-1/2" x 2-3/4"	11.43	1.56	18	33	_	_
Totals For Cube			53.34	420		1,760	_
Carousel Series -						,	
Square & Small Rectangle Cube							
Square	4-1/2" x 4-1/2" x 2-3/4"	7.11	53.16	378	33		_
Small Rectangle	4-1/2" x 2-1/4" x 2-3/4"	14.12	3.84	54	33		_
Totals For Cube			57			1,881	
Carousel Series - Large Rectangle Cube							
Large Rectangle	4-1/2" x 6-3/4" x 2-3/4"	4.8	80	384	33		13.33
Cobblestone	2-3/8" Thick	3.5	103	360	28	2,884	20.6
Holland 4" x 4"	2-3/8" Thick	4.5	108	486	28	3,024	18
Holland 8" x 8"	3-1/8" Thick	2.25	74.67	168	37	2,763	_
Holland 4" x 8"	3-1/8" Thick	4.5	84	378	37	3,108	16
Old World Holland 8" x 8"	3-1/8" Thick	2.25	74.67	168	37	2,763	_
Old World Holland 4" x 8"	3-1/8" Thick	4.5	84	378	37	3,108	_
Old World Arrowhead	2-3/8" Thick	4.8	78.75	376	28	2,205	_
Old World Random	2-3/8" Thick	_	96	288	28	2,407	_
Old Style Symetry	2-3/8" Thick	3.1	93	288	28	2,604	23.25
(Use In Combination With Euro Stone)							
ENVIRONMENTAL PRODUCTS							
Eco-Brick	3-1/8" Thick	3.68	76.3		_	2,592	_
Eco-Classic/O.W. Eco-Classic	3-1/8" Thick	3.68	76.3		_	2,719	_
Geolink	4"h x 12"w x 16"l	1.12	32	36	36.6	1,469	_
Monoslab® Grass Paver	4-1/2"h x 16"w x 24"l	0.38	95.76	36	31.65	3,031	_

	Description	Units Per Sq. Ft.	Sq. Ft. Per Cube	Units Per Cube	Weight Per Sq. Ft.	Weight Per Cube	Sq. Ft. Per Strap
SPECIAL ORDER PAVERS (Continued)							
Symetry [®]	2-3/8" Thick	3.4	84	288	28	2,352	21
6" x 6" (Use With Symetry)	2-3/8" Thick	4.1	92	378	28	2,576	13.14
Symetry®	3-1/8" Thick	3.4	65	224	37	2,405	18
6" x 6" (Use In Combination With Symetry)	3-1/8" Thick	4.1	71.4	294	37	2,642	18
Durastone	2-3/8" Thick	3.6	100	360	28	2,800	20
	3-1/8" Thick	3.6	78	280	37	2,886	_
Omnistone	2-3/8" Thick	3.5	103	360	28	2,884	20.6
Honeycomb	2-3/8" Thick	3.1	87	270	28	2,436	14.5
Plazastone	2-3/8" Thick	2.73	89	243	28	2,492	17.8
Vintage Extra Large Rectangle Cube	9-1/2" x 4-3/4" x 2-3/8"	3.1	90	280	28	2,509	17.92
Vintage Double Large Rectangle Cube	7-1/8" x 9-1/2" x 2-3/8"	2.2	91	200	28	2,548	_
Vintage Large Square Cube	9-1/2" x 9-1/2" x 2-3/8"	1.6	97	160	28	2,716	_

INVENTORIED WALL STONES	Size	Exposed Face Area	Weight (lbs.)	Units Per Cube	Weight Per Cube (lbs.)	Linear Foot Coverage
Compac Units						
Compac 3 Straight Split	8"h x 18"w x 12"d	1 Sq. Ft. (8" x 18")	79	36	2,844	1.5 l.f.
8" 90° Split Return Corner	8"h x 18"w x 9"d	1 Sq. Ft. (8" x 18")	86	30	2,580	_
Compac Hewnstone	8"h x 18"w x 12"d	1 Sq. Ft. (8" x 18")	86	36	3,096	1.5 l.f.
Compac Contemporary	8"h x 18"w x 12"d	1 Sq. Ft. (8" x 18")	79	36	2,844	1.5 l.f.
8" Contemporary & Hewn Return Corner	8"h x 18"w x 9"d	1 Sq. Ft. (8" x 18")	100	30	3,000	_
Garden Wall	4"h x 12"w x 8"d	1/3 Sq. Ft. (4" x 12")	25	96	2,352	1 l.f.
Glenstone/O.W. Glenstone	4"h x 12"w x 8"d	1/3 Sq. Ft. (4" x 12")	32	96	3,072	_
3' Radius Glenstone/O.W. Glenstone	4"h x 13-3/8"/9-1/8"w x 8"d	1/3 Sq. Ft. (4" x 12")	28	96	2,650	_
4' Radius Glenstone/O.W. Glenstone	4"h x 12-1/4"/9-1/8"w x 8"d	1/3 Sq. Ft. (4" x 12")	28	96	2,645	_
Glenstone/O.W. Glenstone Bullnose	4"h x 8"w x 12"d	0.22 Sq. Ft. (4" x 8")	29.7	96	2,858	0.67 l.f.
Stonegate/O.W. Stonegate						
6" Large Unit 6" Medium Unit 6" Small Unit	6"h x 10"d x 16"/14"w 6"h x 10"d x 12"/10"w 6"h x 10"d x 6"/4"w	1 Set = 1.4 Sq. Ft. Max.	66 47 23	20 Sets/Cube	2,928	1 Set = 2.5 l.f. Max.
Verazzo Stone	6"h x 10-1/2"d x 16"/12"w	1 Unit = 0.58 Sq. Ft. Avg.	73	45	3,272	1 Unit = 1.16 l.f. Avg.
Verazzo Return Corner	6"h x 8"d x 16"w	0.67 Sq. Ft.	62.8	48	3,015	1.33 l.f.
3' Fire Pit Block/O.W. Fire Pit Block	5-1/2"h x 6"d x 13-3/8"/9-1/8"w	_	38	75	2,835	_
4' Fire Pit Block/O.W. Fire Pit Block	5-1/2"h x 6"d x 15-1/2"/12-1/2"w	_	39	75	2,910	
Universal Cap Unit	3-1/2"h x 18"w x 12"d	0.44 Sq. Ft. (3-1/2" x 18")	62	56	3,472	1.5 l.f.
3" Caps/Coping					-,	
3" x 24" Cap	3"h x 12"d x 24"w	1/2 Sq. Ft. (3" x 24")	72	48	3,504	2 l.f.
Country Corner	3"h x 12"d x 12"w	1/4 Sq. Ft. (3" x 12")	36	96	3,504	1 l.f.
Coping Stone	3-7/8"w x 12 7/8" Length x 2-3/8" Thick	2.83 Pcs/Sq. Ft.	10	117	1,170	0.33 l.f.
SPECIAL ORDER WALL STONES	X Z O/ O THIOK					
Mini Straight Split	4"h x 18"w x 11"d	1/2 Sq. Ft. (4" x 18")	43	63	2,709	1.5 l.f.
Mini Sculptured Split	4"h x 18"w x 11"d	1/2 Sq. Ft. (4" x 18")	46	56	2,703	1.5 l.f.
Mini Cap Sculptured Split	4"h x 18"w x 11"d	1/2 Sq. Ft. (4" x 18")	46	56	2,576	1.5 l.f.
4" 90° Return Corner	4"h x 18"w x 9"d	1/2 Sq. Ft. (4" x 18")	43	60	2,580	1.01.1.
Compac Cap Sculptured Split	8"h x 18"w x 11"d	1 Sq. Ft. (8" x 18")	96	32	3,072	1.5 l.f.
Country Manor SE - Smooth Ends	0 11 X 10 W X 11 U	1 Sq. Ft. (0 X 10)	90	32	3,072	1.1 G.1
6" Large Unit 6" Medium Unit 6" Small Unit	6"h x 10"d x 16"/14"w 6"h x 10"d x 12"/10"w 6"h x 10"d x 6"/4"w	1 Set = 1.4 Sq. Ft. Max.	66 47 23	20 Sets/Cube	2,928	1 Set = 2.5 l.f. Max.
3" Large Unit 3" Medium Unit 3" Small Unit	3"h x 10"d x 16"/14"w 3"h x 10"d x 12"/10"w 3"h x 10"d x 6"/4"w	1 Set = 0.7 Sq. Ft. Max.	35 26 12	40 Sets/Cube	3,088	1 Set = 2.5 l.f. Max.
Country Manor Return Corner						
6" Large Unit 6" Medium Unit 6" Small Unit	6"h x 10"d x 16"/14"w 6"h x 10"d x 12"/10"w 6"h x 10"d x 6"/4"w	1 Set = 1.4 Sq. Ft. Max.	70 50 25	20 Sets/Cube	2,928	1 Set = 2.5 l.f. Max.
3" Country Manor Return Corner Large 3" Country Manor Return Corner Medium 3" Country Manor Return Corner Small	3"h x 10"d x 16"/14"w 3"h x 10"d x 12"/10"w 3"h x 10"d x 6"/4"w	1 Set = 0.7 Sq. Ft. Max.	36 27 13	40 Sets/Cube	3,088	1 Set = 2.5 l.f. Max.
Sculptured Split Face Units						
Standard	8"h x 18"w x 22"d	1 Sq. Ft. (8" x 18")	116	20	2,320	1.5 l.f.
Compac Sculptured Split Face	8"h x 18"w x 11"d	1 Sg. Ft. (8" x 18")	78	36	2,808	1.5 l.f.
Straight Split Face Units		1 (2			,	
Standard	8"h x 18"w x 22"d	1 Sq. Ft. (8" x 18")	128	20	2,560	1.5 l.f.
Universal Stair Tread	3-1/2"h x 18"w x 20"d	0.44 Sq. Ft. (3-1/2" x 18")	106	28	2,968	1.5 l.f.





PAVERS - WALL STONES

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