





Quality Droducts for over 80 Years.



If Your Mind Imagines It — Fendt Can Create It.

Fendt block, paver, and wall stone products help turn thoughts into expressions and houses into dream homes. Whether you picture an exquisite patio, sidewalk, driveway, pool deck, or retaining wall, Fendt's unique custom concrete paver and wall systems can add value and natural beauty to any home or business.

Fendt products give you the freedom to design ideas that inspire your imagination and enhance your landscape environment with the natural beauty and old world charm of winding pathways, bi-level patios, and enchanting stairways. Go wild. Create a world of wonder, a lasting showcase to inspire for years to come. At Fendt, we're all about enhancing the beauty of imagination.

ICPI

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.

CONTENTS

INTRODUCTION TO PAVERS
Old World Holland 4 x 8 4-5
Old World Random6-7
Old World Vintage 8-11
Vintage
Vintage Patterns 16-17
Symetry
Symetry Patterns21
Holland 4 x 8
Cobblestone
Holland Series
Spectrum Colors
Standard Paver Colors
Custom Color Projects 28-29
Special Order Textures
Special Order Paver Shapes 32-35
Installation Instructions
INTRODUCTION TO ENVIRONMENTAL
PRODUCTS
Permeable Pavers
Monoslab Grass Paver 40-41
Geolink Erosion Control
INTRODUCTION TO WALL STONES. 43-44
INTRODUCTION TO WALL STONES. 43-44 Garden Wall
INTRODUCTION TO WALL STONES. 43-44
INTRODUCTION TO WALL STONES. 43-44 Garden Wall
INTRODUCTION TO WALL STONES. 43-44 Garden Wall
INTRODUCTION TO WALL STONES. 43-44 Garden Wall45 Glenstone .46 Verazzo Stone .47-49 Stonegate50-51 Country Manor® .52-57
INTRODUCTION TO WALL STONES. 43-44 Garden Wall
INTRODUCTION TO WALL STONES. 43-44 Garden Wall
INTRODUCTION TO WALL STONES. 43-44 Garden Wall. .45 Glenstone .46 Verazzo Stone .47-49 Stonegate. .50-51 Country Manor® .52-57 Keystone Straight Split .58-59 Keystone Sculptured Split .60-61 Keystone Hewn Stone .62-63
INTRODUCTION TO WALL STONES. 43-44 Garden Wall
INTRODUCTION TO WALL STONES. 43-44 Garden Wall. .45 Glenstone .46 Verazzo Stone .47-49 Stonegate. .50-51 Country Manor® .52-57 Keystone Straight Split. .58-59 Keystone Sculptured Split .60-61 Keystone Hewn Stone .62-63 Fire Pit Block .64 Wall Caps & Stair Treads .65
INTRODUCTION TO WALL STONES. 43-44 Garden Wall. .45 Glenstone .46 Verazzo Stone .47-49 Stonegate. .50-51 Country Manor® .52-57 Keystone Straight Split. .58-59 Keystone Sculptured Split .60-61 Keystone Hewn Stone .62-63 Fire Pit Block .64 Wall Caps & Stair Treads .65 Design Charts .66-71
INTRODUCTION TO WALL STONES. 43-44 Garden Wall. .45 Glenstone .46 Verazzo Stone .47-49 Stonegate. .50-51 Country Manor® .52-57 Keystone Straight Split. .58-59 Keystone Sculptured Split .60-61 Keystone Hewn Stone .62-63 Fire Pit Block .64 Wall Caps & Stair Treads .65
INTRODUCTION TO WALL STONES. 43-44 Garden Wall. .45 Glenstone .46 Verazzo Stone .47-49 Stonegate. .50-51 Country Manor® .52-57 Keystone Straight Split. .58-59 Keystone Sculptured Split .60-61 Keystone Hewn Stone .62-63 Fire Pit Block .64 Wall Caps & Stair Treads .65 Design Charts .66-71
INTRODUCTION TO WALL STONES. 43-44 Garden Wall. .45 Glenstone .46 Verazzo Stone .47-49 Stonegate. .50-51 Country Manor® .52-57 Keystone Straight Split. .58-59 Keystone Sculptured Split .60-61 Keystone Hewn Stone .62-63 Fire Pit Block .64 Wall Caps & Stair Treads .65 Design Charts .66-71 Installation Instructions .72

FENDT PAVING STONES

The technology used in the creation of concrete interlocking paving stones originated in Germany after the second world war. New highly efficient machinery came into use for manufacturing a variety of shapes and integrated colors of quality paving stones. The technology soon spread throughout Europe where concrete pavers were used to rebuild and add beauty to streets, sidewalks, and homes.

Fendt is a local pioneer in the design and production of such innovative and elegant paving stones, offering a full line of interlocking concrete pavers for decorating driveways, sidewalks, patios, pool decks — whatever you put your mind to.

Fendt's high-density, high-strength concrete pavers are guaranteed to exceed stringent American Society for Testing and Materials (ASTM) standards. To obtain such a high level of strength and durability, the paving stone material is tightly compacted during the manufacturing process, minimizing the amount of moisture absorbed and the effects of repeated freeze and thaw cycles. From initial design to manufacture, Fendt concrete paving stones are created with beauty in mind and made to last.

Beauty. Elegance. Enduring quality.

That's been the commitment from three generations of Fendt family members for more than 80 years.



OLD WORLD RANDOM PAVERS



OLD WORLD VINTAGE PAVERS



OLD WORLD VINTAGE PAVERS



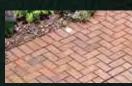
VINTAGE PAVERS



SYMETRY PAVERS



SYMETRY PAVERS



HOLLAND 4x8 PAVERS



COBBLESTONE PAVERS

OLD WORLD HOLLAND 4x8

More and more today, homeowners are interested in creating the look and feel of old world Europe in their landscaping projects. With their rugged and weathered appearance, Old World Holland tumbled pavers deliver the look with style and distinction.



OLD WORLD HOLLAND 4" x 8"

OLD WORLD HOLLAND 4" x 8"

Old World Holland tumbled pavers are available in 4 x 8-inch size. Inventoried colors include Rustic Blend, Antique Blend, Walnut Blend, Mossy Oak Blend, Limestone Blend, Grindstone Blend, and Slate. All Fendt pavers are tumbled, not machine-faced.



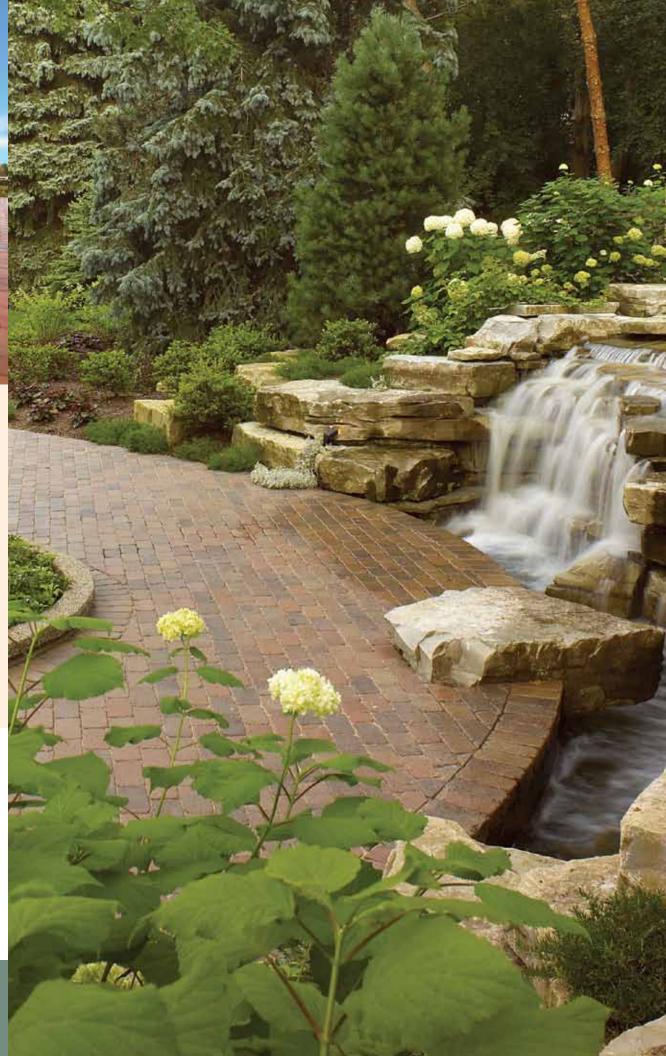
OLD WORLD HOLLAND 4" x 8"

OLD WORLD HOLLAND 4" X 8"

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





O.W. RUSTIC BLEND



O.W. ANTIQUE BLEND



D.W. WALNUT BLEND



.W. LIMESTONE BLEND



v. Grindstone blend



O.W. MOSSY OAK BLEN

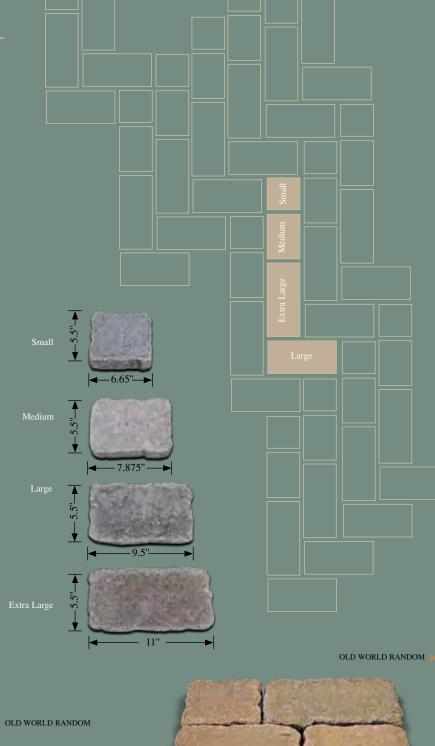


AM CLATE

OLD WORLD RANDOM

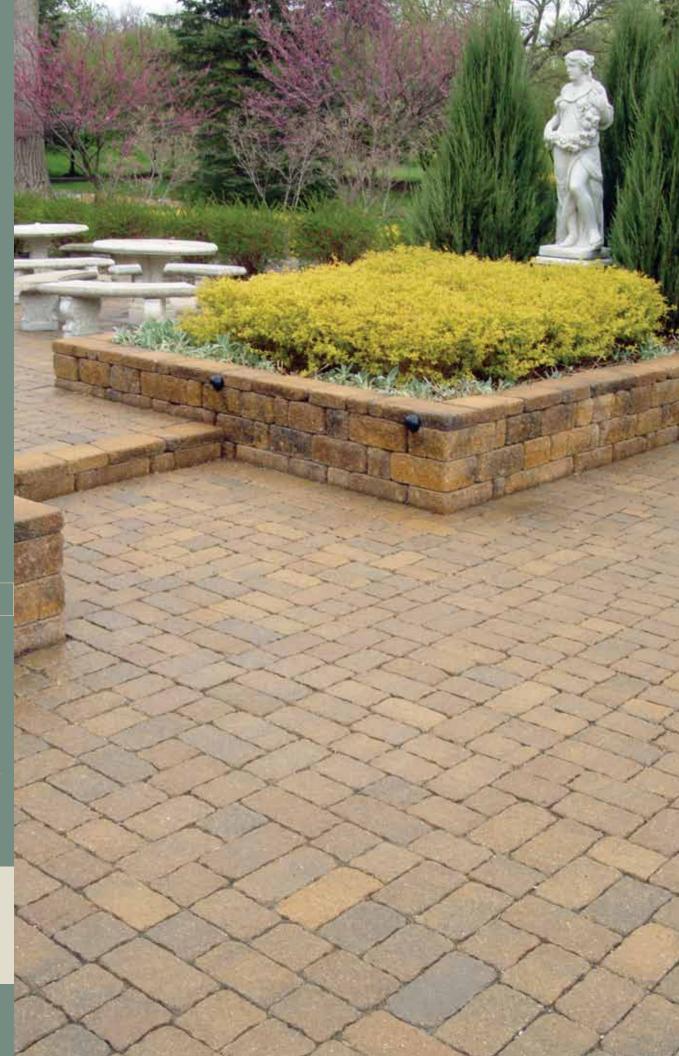
For the ultimate in old world style and warmth,
Fendt offers Old World Random tumbled pavers.
With their random sizes and rugged, weathered
appearance, Old World Random pavers bring a
touch of distinction to any landscaping project.





Sold by Sets – Pieces/Set: 4 Sq. ft. per Set: 1.33

Sq. ft. per Pallet: 96 Sets/Pallet: 72 Weight/Pallet: 2,407 lbs





O.W. WALNUT BLEND



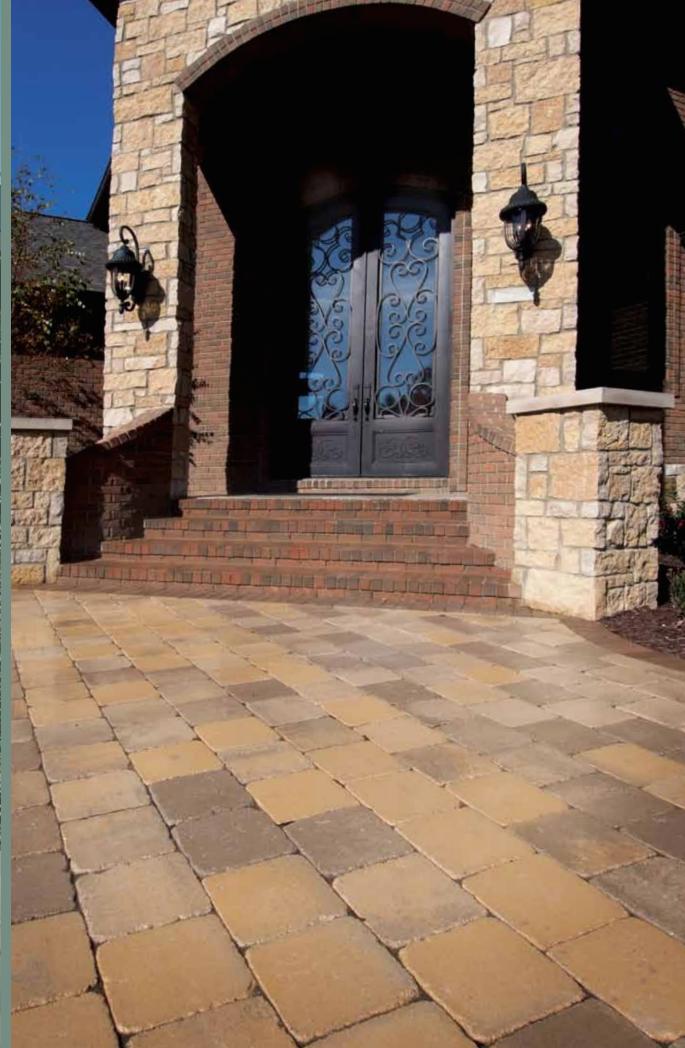
O.W. LIMESTONE BLEND

OLD WORLD VINTAGE

Homeowners looking for the warmth and charm of old world Europe are naturally drawn to Old World Vintage pavers. With their distinctive and weathered appearance, Old World Vintage pavers look as though they have been unearthed from an ancient European village.









O.W. RUSTIC BLEND





O.W. LIMESTONE BLEND



O.W. BURGUNDY BLEND



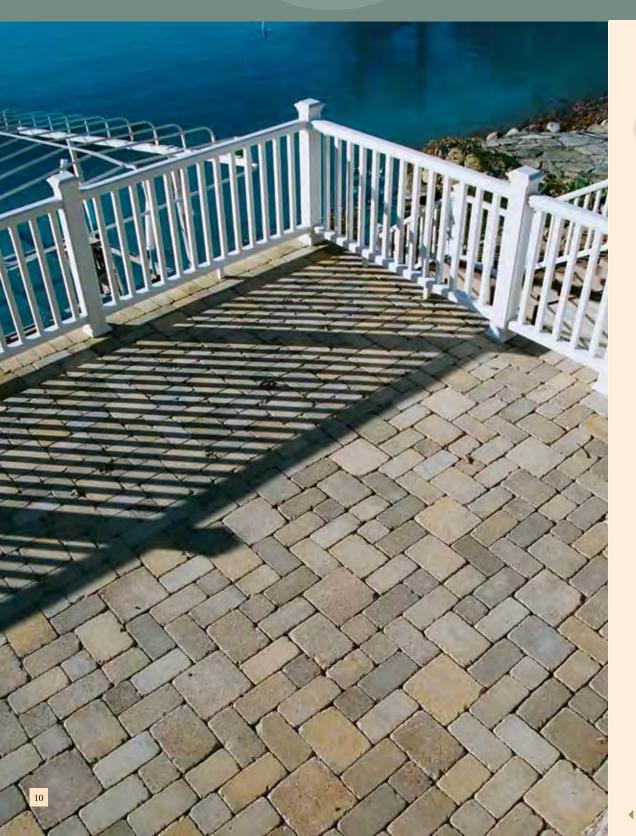
O.W. MOSSY OAK BLEND



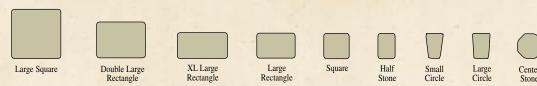


O.W. POLAR ASH

OLD WORLD VINTAGE



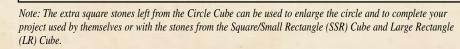
OLD WORLD VINTAGE SERIES

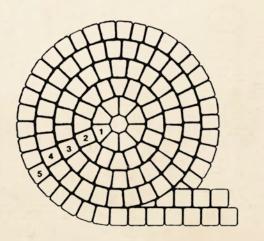


LARGE SQUARE CUBE		UNITS PER SQ. FT.	UNITS PER LAYER	SQ. FT. PE LAYER	ER	UNITS PER CUBE		FT. PER CUBE	SQ. FT. PER STRAP	WEIGHT PER SQ. FT.
	Large Square 9 1/2" x 9 1/2" x 2 3/8"	1.65	20	12.1		160		97	19.4	28
DOUBLE LARG RECTANGULAR		UNITS PER SQ. FT.	UNITS PER LAYER	SQ. FT. PE LAYER	ER	UNITS PER CUBE		FT. PER CUBE	SQ. FT. PER STRAP	WEIGHT PER SQ. FT.
	Double Large Rectangle 7 1/8" x 9 1/2" x 2 3/8"	2.2	25	11.36		200		91	18.2	28
XL RECTANGLE	E CUBE	UNITS PER SQ. FT.	UNITS PER LAYER	SQ. FT. PER LAYER			FT. PER UBE	SQ. FT. P STRAP		SOLDIER COURSING LINEAL FOOTAGE
	Extra Large Rectangle 9 1/2" x 4 3/4" x 2 3/8"	3.1	35	11.2	4	280	90	17.92	28	CUBE STRA 111 22.2
LARGE RECTAN	NGLE CUBE	UNITS PER SQ. FT.	UNITS PER LAYER	SQ. FT. PER LAYER			FT. PER UBE	SQ. FT. P STRAP		SOLDIER COURSING LINEAL FOOTAGE
	Large Rectangle 7 1/8" x 4 3/4" x 2 3/8"	4.2	42	10.0	3	336	80	13.33	28	133 22.
SQUARE CUBE	3	UNITS PER SQ. FT.	UNITS PER LAYER	SQ. FT. PE LAYER		UNITS PER CUBE		FT. PER CUBE	SQ. FT. PER STRAP	WEIGHT PER SQ. FT.
	Square 4 3/4" x 4 3/4" x 2 3/8"	6.3	63	10.0		504		80	8.89	28
CIRCLE BOX (I	1 CIRCLE PER BOX)	UNITS PER SQ. FT.	UNITS PER LAYER	SQ. FT. PI LAYER		UNITS PER CUBE		FT. PER CUBE	SQ. FT. PER STRAP	WEIGHT PER SQ. FT.
	Square 4 3/4" x 4 3/4" x 2 3/8"	6.3				56		8.85	- 4	28
	Large Circle 4 11/16" x 4 5/16" x 2 3/8"	8.3				120	1	4.45		28
	Small Circle 4 11/16" x 4 5/16" x 2 3/8"	8.7				16		1.8		28
	Half Stone 4 3/4" x 3 5/8" x 2 3/8"	8.4				84		10		28
	Center Stone 4 3/4" x 3 5/8" x 2 3/8"	9.0				4		0.4		28
	Totals for Cube					280		35.5		1988 lbs.

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, ect., plus a square at random
5	- 1	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.





Large Square

Double Large Rectangle

XL Rectangle

VINTAGE

Set your imagination free with the versatility of Fendt Vintage pavers. Create sweeping lines and dramatic design configurations that will delight



VINTAGE |

Fendt Vintage pavers are available in six shapes in addition to a circular pattern. Create many variations in design, including random designs and perfect circles.

√ VINTAGE





FOREST BLEND



SANDSTONE BLEND



WALNUT BLEND



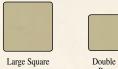
LIMESTONE BLEND



MAPLEWOOD BLEND



VINTAGE SERIES















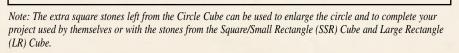


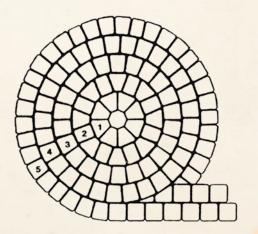
	Rectangle Rectang	gie Kec	tangle	Reci	angle	Stone		Circle	Circie	Stone	
LARGE SQUARE CUBE		UNITS PER SQ. FT.	UNITS PER LAYER	SQ. FT. PI LAYER		UNITS I			FT. PER CUBE	SQ. FT. PER STRAP	WEIGHT PER SQ. FT.
	Large Square 9 1/2" x 9 1/2" x 2 3/8"	1.65	20	12.1		160)		97	19.4	28
DOUBLE LARGE RECTANGULAR		UNITS PER SQ. FT.	UNITS PER LAYER	SQ. FT. PI LAYER		UNITS I			FT. PER CUBE	SQ. FT. PER STRAP	WEIGHT PER SQ. FT.
	Double Large Rectangle 7 1/8" x 9 1/2" x 2 3/8"	2.2	25	11.36		200)		91	18.2	28
XL RECTANGLE CUBE		UNITS PER SQ. FT.	UNITS PER LAYER	SQ. FT. PER LAYER		ITS PER CUBE	SQ. FT. CUE		SQ. FT. PI STRAP		SOLDIER COURSING LINEAL FOOTAGE
	Extra Large Rectangle 9 1/2" x 4 3/4" x 2 3/8"	3.1	35	11.2		280	90)	17.92	28	CUBE STRAP 111 22.2
LARGE RECTANO	GLE CUBE	UNITS PER SQ. FT.	UNITS PER LAYER	SQ. FT. PER LAYER		ITS PER CUBE	SQ. FT. CUE		SQ. FT. PI STRAP		SOLDIER COURSING LINEAL FOOTAGE
	Large Rectangle 7 1/8" x 4 3/4" x 2 3/8"	4.2	42	10.0		336	80)	13.33	28	CUBE STRAP 133 22.2
SQUARE & SMAL RETANGLE CUB		UNITS PER SQ. FT.	UNITS PER LAYER	SQ. FT. PI LAYER		UNITS I			FT. PER CUBE	SQ. FT. PER STRAP	WEIGHT PER SQ. FT.
	Square 4 3/4" x 4 3/4" x 2 3/8"	6.3	54	8.5		432	2	(68.6	8.89	28
	Small Rectangle 4 3/4" x 2 7/16" x 2 3/8"	12.6	18	1.4	.4 144		4	11.4		0.07	28
	Totals for Cube		72			570	5		80		2440 lbs.

CIRCLE CUBE	(Sold in full and half cubes only - 2 circles 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.
	Square							
	4 3/4" x 4 3/4" x 2 3/8"	6.3	14	2.2	112	17.7		28
	Large Circle							
	4 11/16" x 4 5/16" x 2 3/8"	8.3	30	3.6	240	28.9		28
	Small Circle	- 11						
	4 11/16" x 4 5/16" x 2 3/8"	8.7	4	0.5	32	3.6		28
	Half Stone							
	4 3/4" x 3 5/8" x 2 3/8"	8.4	21	2.5	168	20		28
	Center Stone							
	4 3/4" x 3 5/8" x 2 3/8"	9.0	1	0.1	8	0.8		28
	Totals for Cube		70		560	71		1988 lbs.

LAYING A CIRCLE

LATINO	A CINCL	ıL				
ROW NUMBER	SMALL CIRCLE	LARGE CIRCLE	HALF STONE	SQUARE STONE	DIAMETER (INCHES)	SEQUENCE
1	8	_	14 1/8		14 1/8	Next to each other
2	8	<u> </u>		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.





VINTAGE

..44%

LEGEND: LS (Large Square)

2.83 square feet 4 XLR.

XLR

PATTERN 2 2 S 4 LR ..

2.52 square feet 1 LS...

PATTERN 3 9 XLR.

LS

DLR

3.75 square feet

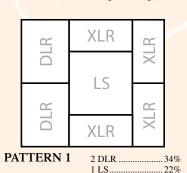
XLR

XLR

PATTERN 4

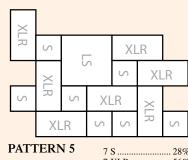
5.18 square feet

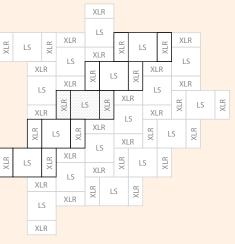
XLR (Extra Large Rectangle) S (Square) DLR (Double Large Rectangle) LR (Large Rectangle)



 α

LS



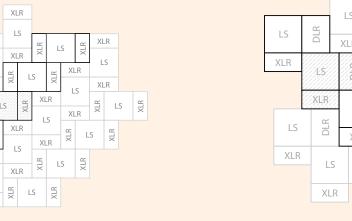


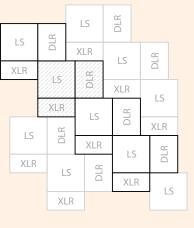
2 XLR

1 LS......

50%

.. 50%





1 XLR ..

1 DLR ..

1 LS.....

. 22%

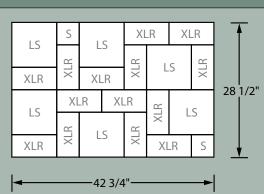
. 34%

.. 44%

PATTERN 12

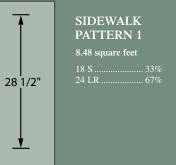
1.41 square feet

2.81 square feet



-42 3/4"**-**

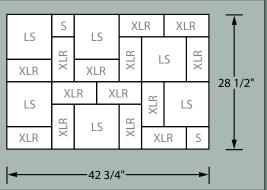
SIDEWALK PATTERNS

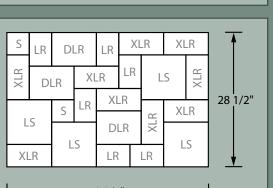


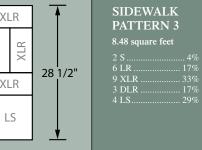
SIDEWALK

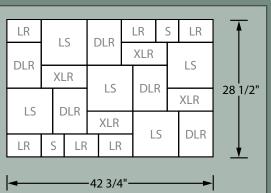
PATTERN 2

8.48 square feet



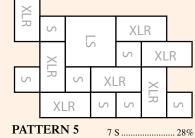


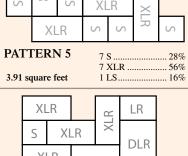


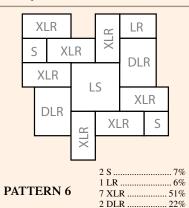


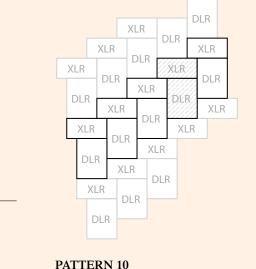


	Sq. ft. per cube	Units per sq. ft.	Units per cube	Sq. ft. per strap
Square (O.W. only)	80	6.3	198	8.89
Square/Small Rect	80		576	8.89
Large Rect	80	4.2	336	13.33
Extra Large Rect	90	3.1	280	17.92
Double Large Rect	91	2.2	200	18.2
Large Square	97	1.6	160	19.4





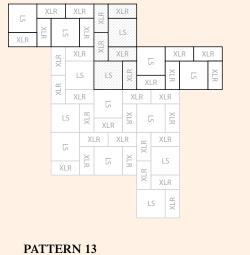




PATTERN 9

1.25 square feet

.79 square feet



5 XLR

2 DLR

1 XLR ..

. 38%

. 12%

PATTERN 14 2 LS.....

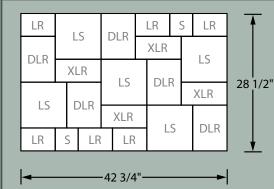
2.51 square feet

2 LS.....

56%

..... 44%

S	LR	DLR LR XL		LR XL		_R	XLR		1
XLR	DI			_R	LR	L	S	XLR	
		S	LR	ΧI	_R	~	XLR		28 1/2"
L	S	LS		DLR		XLR	LS		
ΧL	_R		.5	LR		LR	LS		<u>↓</u>
42 3/4"									



			S			
XLR		KLR	L:		S	XLR
	XLR	X	L.	5	KLR	X
	ΊX	ΧL	_R	(LR	ΊX	
	Χl	_R		1X	XLR	

1 LS....

8 XLR ..

2 DLR.

2 LS...

48%

2 S ...

2 XLR

	5				
KLR	L:	,	S	-R	
1X	L	3	(LR	1X	
ΧL	_R	XLR	1X		
_R		1X	ΧL	_R	

LIV	DID)	-R	1 5	
LR	DLR S		1X	LJ	
I C	S	-R	2	LR	
LS	S	1X	DLF	LR	

4.32 square feet

PATTERN 7

4.41 square feet

LI ()		
1.0	S	-R	2	LR
LS	S	ΊX	DLR	LR
		4.5	S	 14%

2 XLR.

2 DLR ..

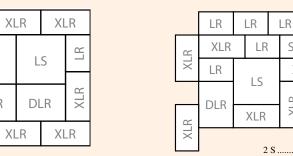
2 LS...

	XLR		XI	_R			XLR		ΧL	.R
LS		LS	5	XLR	L:	S		LS	5	XLR
XLR	XLR	XLR	XI	_R	XL	_R	XLR	XLR	ΧL	.R
XLR T	S		L	S	XLR	L	S		L	5
XLR	XLR	XLR	XI	_R	XL	R	Y.	XLR	ΧI	R
LS		LS	5	XLR	Ľ	Ş	R	Ľ		XLR
XLR	XLR	XLR	XI	_R	Χl	R	×	R	Χl	R
XLR	S	XLR XI	L	S	XLR	L	S	× ×	Ľ	5
XLR		×			ΧI	R		×		

1 XLR ..

1 DLR 60%

5%			
7% 8%			
0 70		_	_



	LR	LR		LR	XLR	
R.	XLR	LR		S	X	
XLR	LR	1.0		ΧL	_R	
		LS		R	Χl	_R
8.	DLR	XLR		XLR	S	
XLR		2	S.			6%

	XLR		//!	-11			X		//!	-11
LS	XLR XI	L:	5	XLR	L!	S		L:	5	XLR
XLR	×	XLR	ΧI	_R	XL	_R	XLR	XLR	ΧI	_R
XLR rs	S	XLR XI	L	S	XLR	L	S	XLR XI	L	S
XLR	XLR	×	ΧI	_R	ΧL	_R	8	×	Χl	R
LS		L!	5	XLR	Ľ	S	.R ×	Ľ.	3	XLR
XLR	XLR	XLR	ΧI	_R	Χl	R	×	R	Χl	R
XLR	5	XLR XI	L	S	XLR	L	S	R.	L	S
XLR		×			ΧI	R				

PATTERN 11	
FALLENNII	10 XLR 56%
5.62 square feet	4 LS44%

XLR	DLR		XLR	 6%		XL	.R		XLR
PATT	ERN 8	8 XI	R LR LR	 24% 49% 9%		PA		EF	

...14%

..22%

..28%

	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 Rect	80		576	8.89
Large Rect	80	4.2	336	13.33
Extra Large Rect	90	3.1	280	17.92
Double Large Rect	91	2.2	200	18.2
Large Square	97	1.6	160	19.4

SYMETRY

When you're striving for distinctiveness and a custom look, consider Symetry pavers—a Fendt original shape. Use Symetry pavers alone or with Fendt 6 x 6-inch pavers to create a multitude of custom designs.





▲ DIAMOND RUNNER PATTERN

VENETIAN PARQUET PATTERN

■ EMBASSY ROW PATTERN

Fendt Symetry pavers offer the long-lasting quality and durability that has been a hallmark of Fendt products for 80 years.



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



6" X 6" SQUARE

Units per sq. ft.: 4.0 Sq. ft. per cube: 92 Weight per sq. ft.: 28 lbs Weight per cube: 2,576 lbs Sq. ft. per strap: 13.14





RUSTIC BLEND



ANTIQUE BLEND



UTUMN BLEND



WALNUT BLEND

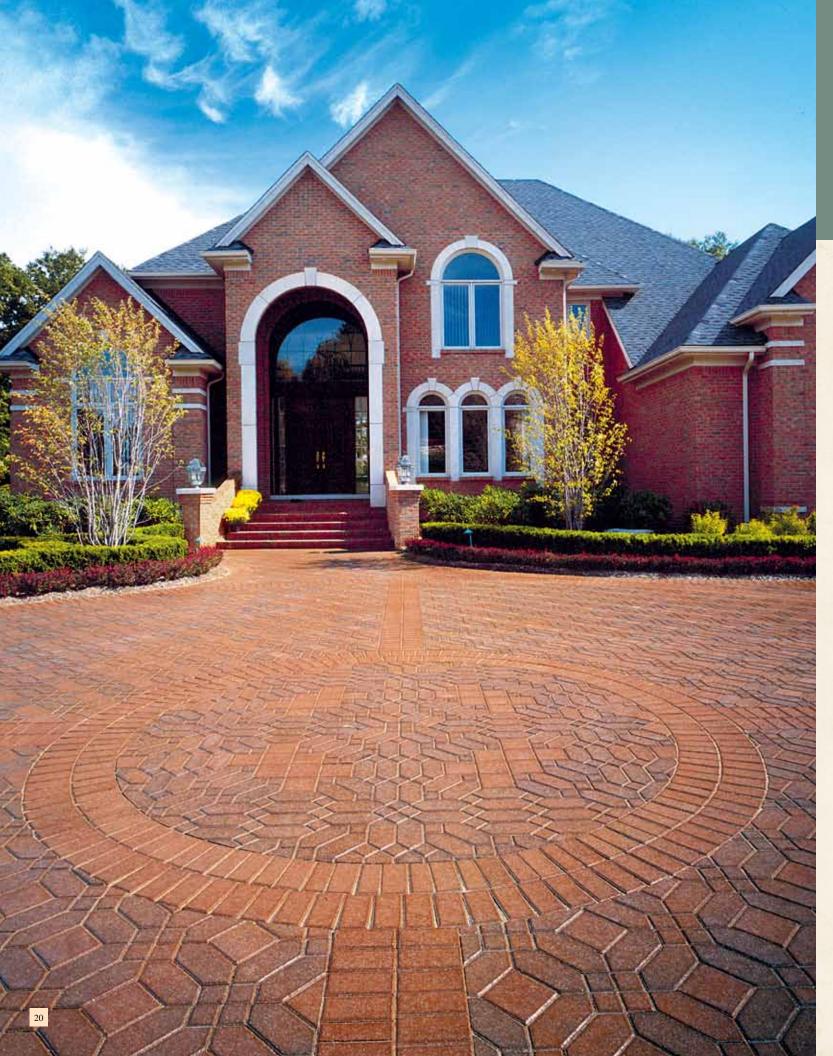
6x6 Square Colors



SLATI

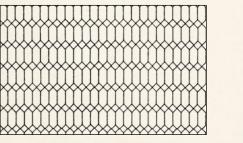


BROWN

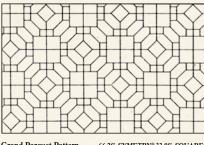


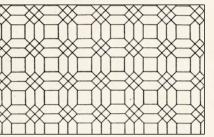
SYMETRY

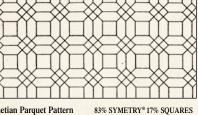
SYMETRY® PATTERNS (SHOWN WITH 6 X 6)

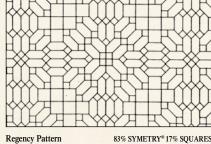


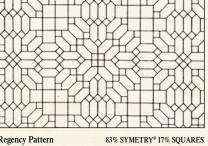


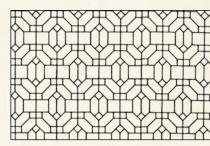


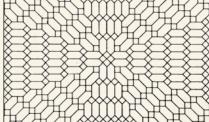


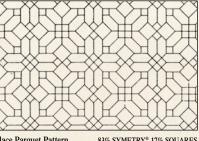




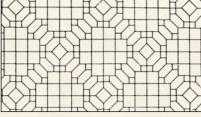












Approximate Scale: 1/4" = 1' (Percentages in Square Feet)

HOLLAND 4x8

Many times, simple designs help define the most simple lines of Fendt Holland pavers offer a measure of understated elegance and enduring beauty.







HOLLAND 4" X 8"

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



HOLLAND 4" x 8'' ▲



MAPLEWOOD BLEND



MOSSY OAK BLEND

RUSTIC BLEND

ANTIQUE BLEND

AUTUMN BLEND

FOREST BLEND

SANDSTONE BLEND

WALNUT BLEND

CHARCOAL BLEND

LIMESTONE BLEND



COBBLESTONE





WALNUT BLEND

HOLLAND SERIES

Create the simple beauty of yesterday
with Fendt Cobblestone pavers. Fendt
Cobblestone pavers are ideal for driveways,
walkways, and patios, or wherever simple

Fendt Cobblestone pavers feature a classic "key hole" shape and clean repeating pattern. Available in two colors.

beauty is top-of-mind.



The design possibilities are endless with classic Fendt Holland Series pavers.



RUSTIC BLEND



WALNUT BLEND



LIMESTONE BLEND



GOLDEN SAGE







COBBLESTONE — 2 3/8" thick

Units per sq. ft.: 3.5 Sq. ft. per cube: 103 Weight per sq. ft.: 28 lbs Weight per cube: 2,884 lbs Sq. ft. per strap: 20.6

■ COBBLESTONE

COBBLESTONE V



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 12 X 12

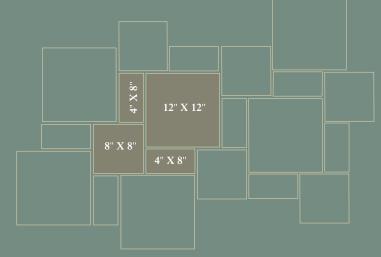
2 3/8" thick Units per sq. ft.: 1.00 Sq. ft. per cube: 72 Weight per sq. ft.: 28 lb Weight per cube: 2,016 lbs Sq. ft. per strap: 18

HOLLAND 8 X 8

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

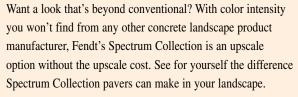
Approximate % 4" x 8" 24% 8" x 8" 24% 12" x 12" 52%







SPECTRUM COLLECTION



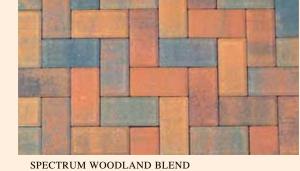








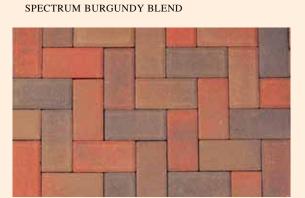


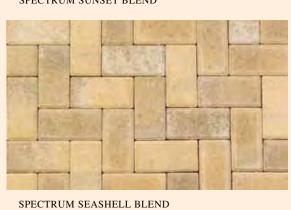




SPECTRUM CANYON BLEND







O.W. Polar Ash

THE NATURAL LOOK OF FENDT

PAVER COLORS

















Sandstone Blend

Walnut Blend





Mossy Oak Blend









Autumn Blend

Charcoal Blend

Brown

Copper

OLD WORLD PAVER COLORS







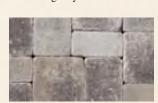


O.W. Mossy Oak Blend



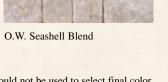


O.W. Burgundy Blend



WHEN SELECTING COLOR

O.W. Walnut Blend



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

O.W. Limestone Blend

When installing pavers, use several cubes simultaneously for proper color blending.

FENDT CUSTOM COLOR PROJECTS

Looking for something just a little out of the ordinary?

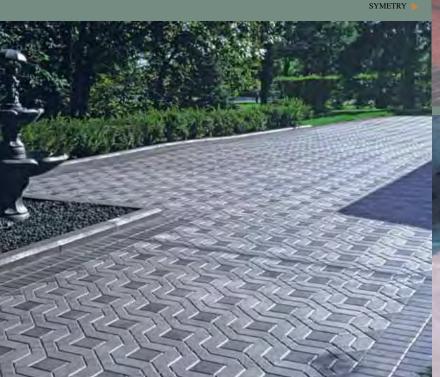
While most wall stone and paver products are stocked in a wide range of common colors, Fendt has the capability to produce custom colors on select jobs.

Need your driveway pavers a certain shade of grey 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.













SPECIAL ORDER TEXTURES

If you're in the mood for something a little different for your next landscaping project, consider Fendt's Ground-Face or Decro-Face® surfaces. Ground-Face pavers have a smooth, polished surface and terrazzo-like appearance. Decro-Face® pavers have a rough, sandblasted-like look. Customize your landscaping project with Fendt Special Order Textures.



▲ DECRO-FACE VINTAGE SERIES

SPECIAL ORDER WEATHERED STONE

Fendt's Weathered Stone pavers feature an exposed aggregate surface, which gives these unique pavers a natural stone granite appearance. These 12 x 12-inch pavers are available in Aspen, Merlot and Granite colors on a special order basis.







▲ GRANITE

SPECIAL PAVERS

Create everything from graceful circles to serpentine sidewalks with Fendt Carousel pavers. Basic circles, radiating fans and other flowing patterns are just the start of where Fendt Carousel

CAROUSEL



CAROUSEL SERIES

Carousel Stone is comprised of five different shapes – the square, large rectangle, small rectangle, large circle, and small circle. The five shapes are packaged in three different cubes. The Circle Cube contains enough stones to make two complete circles, each approximately 66" in diameter (about 27 sq. ft.). The two remaining cubes (Square and Small Rectangle Cube [SSR] and Large Rectangle Cube [LR]) contain the stones, which allow you to expand the circle and create the many different patterns available with the Carousel Stone style.

Square 4 1/2" x 4 1/2" x 2 3/4" Small Rectangle 4 1/2" x 2 1/4" x 2 3/4" Large Circle	14.12	33 2	.14	198	27.84		33
Small Rectangle 4 1/2" x 2 1/4" x 2 3/4"	14.12	2	.14				
4 1/2" x 2 1/4" x 2 3/4"				12	.84		33
				12	.84		33
Large Circle	8.3	22					
	8.3	22					
4 1/2" x 4 1/2" x 2 3/4"		32	3.85	192	23.10		33
Small Circle							
3 3/8" x 4 1/2" x 2 3/4"	11.43	3	.26	18	1.56		33
Totals for Cube		70	8.89	420	53.34		1760 lbs.
SQUARE AND SMALL (Sold in ratio of 7 s RECTANGLE CUBE to 1 small rectangle		UNITS PER LAYER	SQ. FT. PER LAYER	UNITS PER CUBE	SQ. FT. PER CUBE	SQ. FT. PER STRAP	WEIGHT PER SQ. FT.
Square							
4 1/2" x 4 1/2" x 2 3/4"	7.11	63	8.86	378	53.16		33
Small Rectangle							
4 1/2" x 2 1/4" x 2 3/4"	14.12	9	.64	54	3.84		33
Totals for Cube					57.00		1881 lbs.

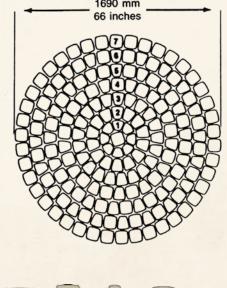
LARGE REC	TANGLE CUBE	UNITS PER SQ. FT.	UNITS PER LAYER	SQ. FT. PER LAYER	UNITS PER CUBE	SQ. FT. PER CUBE	SQ. FT. PER STRAP	WEIGHT PER SQ. FT.	SOLI COUR LINI FOOT	EAL
	Large Rectangle								CUBE	STRAP
	4 1/2" x 6 3/4" x 2 3/4"	4.8	48	10	384	80.00	13.33	33	144	24
	Totals for Cube					80.00		2640 lbs.		

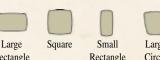
Note: The thickness of the Carousel Series is 2 3/4" (70mm). Please consider when mixing Carousel with other shapes that are 2 3/8" (60mm) thick.

Laying A Circle

Row Number	Radius in mm	Radius in Inches	Small Circle Stone	Large Circle Stone	Square Stone	Large Rectangle Stone
1	155	6.11	8		+1	, -
2	270	10.64		14		<u> </u>
3	385	15.17	_8.2	21		<u> </u>
4	500	19.7	_	13	+13	_
5	615	24.23	_	16	+17	_
6	730	28.76		20	+20	
7	845	33.29	_	_	42	_
8	960	37.82	_	_	48	or 33
9	1075	42.35			54	or 37
10	1190	46.88	_	_	62	or 41
11	1305	51.41		,	68	or 45
12	1402	55.94	_	_	74	or 49
13	1535	60.47		<u> </u>	80	or 53
14	1650	65.00		<u> </u>	86	or 57
15	1765	69.53		- "	93	or 62
16	1880	74.06			99	or 66
17	1995	78.59		_	105	or 70
18	2110	83.12	-1	_	111	or 74
19	2225	87.65	_	_	118	or 78
20	2340	92.18	_	<u> </u>	124	or 83

Note: The diagram shows the way in which a circle is formed, using the circle cube through row #7. Beginning with row #8, you may introduce the large rectangle and/or square stone from the other two cubes.





SPECIAL PAVERS

Oftentimes, an exciting and unique design gives your landscaping project the distinct visual appeal you're looking for. Fendt Special Order Pavers can give you that distinctive look. Available in several patterns, including Arrowhead, Honeycomb, Dura Stone, Plaza Stone and Omni Stone, these pavers will inspire you to get creative with your landscape.



Create unique and custom designs using Fendt Special Order Pavers. Fendt offers the best customer response times in the industry for its special orders.

DURA STONE







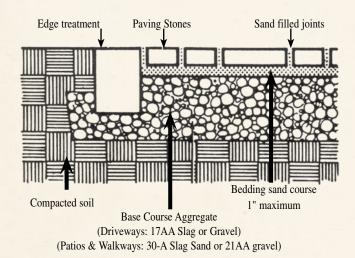
SPECIAL ORDER PAVERS

SHAPE DESCRIPTION DESCRIPTION DESCRIPTION SQ. FT. DER CUBE STRAP							
108 28 3024 18	SHAPE	DESCRIPTION	PER	PER	PER	PER	PER
HOLLAND 8 X 8	HOLLAND 4 X 4						
A 1/8" thick		2 3/8" thick	4.5	108	28	3024	18
HOLLAND 4 X 8 3 1/8" thick 4.5 84 37 3108 16 OLD-STYLE SYMETRY" (USE IN COMBINATION WITH EURO STONE) 2 3/8" thick 3.1 93 28 2604 23.25 NEW SYMETRY" (USE IN COMBINATION WITH 6X6) 3 1/8" thick 3.4 65 37 2405 18 6 X 6 (USE IN COMBINATION WITH NEW SYMETRY*) 3 1/8" thick 4.1 71.4 37 2642 18 DURA-STONE 2 3/8" thick 3.6 100 28 2800 20 3 1/8" thick 3.6 78 37 2886 Half Edger 7.2 37.5 28 2800 1 3 1/8" thick 4.1 71.4 37 2642 Full-Edger 3.6 62.5 2800 3 1/8" thick 4.7 2886 OMNI STONE 2 3/8" thick 3.5 103 28 2884 20.6 DMNI STONE 2 3/8" thick 3.5 103 28 2884 20.6 DMNI STONE 2 3/8" thick 3.5 103 28 2884 20.6 DMNI STONE 2 3/8" thick 3.5 103 28 2884 20.6 DMNI STONE	HOLLAND 8 X 8						
3 1/8" thick		3 1/8" thick	2.25	74.67	37	2763	12.44
2 3/8" thick 3.1 93 28 2604 23.25	HOLLAND 4 X 8						
NEW SYMETRY"(USE IN COMBINATION WITH 6X6)		3 1/8" thick	4.5	84	37	3108	16
NEW SYMETRY" (USE IN COMBINATION WITH 6X6) 3.4 65 37 2405 18	OLD-STYLE SYMETRY™ (USE I	N COMBINATION W	ITH EURO STONI	E)			
3 1/8" thick 3.4 65 37 2405 18		2 3/8" thick	3.1	93	28	2604	23.25
6 X 6 (USE IN COMBINATION WITH NEW SYMETRY") 3 1/8" thick	NEW SYMETRY™ (USE IN COMI	BINATION WITH 6X	6)				
3 1/8" thick		3 1/8" thick	3.4	65	37	2405	18
DURA-STONE 2 3/8" thick 3.6 100 28 2800 20 3 1/8" thick 3.6 78 37 2886 Pull-Edger 7.2 37.5 28 2800 Full-Edger 3.6 62.5 2800 3 1/8" thick Half-Edger 7.2 29.3 37 2886 COMNI STONE 2 3/8" thick 3.5 103 28 2884 20.6 HONEYCOMB PLAZA STONE	6 X 6 (USE IN COMBINATION W	VITH NEW SYMETR	Y TM)				
2 3/8" thick 3.6 100 28 2800 20 3 1/8" thick 3.6 78 37 2886 2 3/8" thick		3 1/8" thick	4.1	71.4	37	2642	18
3 1/8" thick 3.6 78 37 2886 2 3/8" thick Half Edger 7.2 37.5 28 2800 Full-Edger 3.6 62.5 2800 3 1/8" thick Half-Edger 7.2 29.3 37 2886 Full-Edger 3.6 48.7 2886 OMNI STONE 2 3/8" thick 3.5 103 28 2884 20.6 2 3/8" thick 3.1 87 28 2436 14.5 PLAZA STONE	DURA-STONE						
Half Edger 7.2 37.5 28 2800	No.	2 3/8" thick	3.6	100	28	2800	20
Half Edger 7.2 37.5 28 2800		3 1/8" thick	3.6	78	37	2886	
Full-Edger 3.6 62.5 2800 3 1/8" thick Half-Edger 7.2 29.3 37 2886 Full-Edger 3.6 48.7 2886 OMNI STONE 2 3/8" thick 3.5 103 28 2884 20.6 2 3/8" Edger 3.9 104 28 2912 20.8 HONEYCOMB 2 3/8" thick 3.1 87 28 2436 14.5 PLAZA STONE		2 3/8" thick					
3 1/8" thick Half-Edger 7.2 29.3 37 2886 Full-Edger 3.6 48.7 2886 OMNI STONE		Half Edger	7.2	37.5	28	2800	
Half-Edger 7.2 29.3 37 2886 Full-Edger 3.6 48.7 2886 OMNI STONE 2 3/8" thick 3.5 103 28 2884 20.6 2 3/8" Edger 3.9 104 28 2912 20.8 HONEYCOMB 2 3/8" thick 3.1 87 28 2436 14.5 PLAZA STONE			3.6	62.5		2800	
Full-Edger 3.6 48.7 2886 OMNI STONE 2 3/8" thick 3.5 103 28 2884 20.6 2 3/8" Edger 3.9 104 28 2912 20.8 HONEYCOMB 2 3/8" thick 3.1 87 28 2436 14.5 PLAZA STONE	Part 1						
OMNI STONE 2 3/8" thick 3.5 103 28 2884 20.6 2 3/8" Edger 3.9 104 28 2912 20.8 HONEYCOMB 2 3/8" thick 3.1 87 28 2436 14.5 PLAZA STONE	ALL DANS				37		
2 3/8" thick 3.5 103 28 2884 20.6 2 3/8" Edger 3.9 104 28 2912 20.8 HONEYCOMB 2 3/8" thick 3.1 87 28 2436 14.5 PLAZA STONE	ONDY GEOVE	Full-Edger	3.6	48.7		2886	
2 3/8" Edger 3.9 104 28 2912 20.8 HONEYCOMB 2 3/8" thick 3.1 87 28 2436 14.5 PLAZA STONE	OMNI STONE						
HONEYCOMB 2 3/8" thick 3.1 87 28 2436 14.5 PLAZA STONE		2 3/8" thick	3.5	103	28	2884	20.6
2 3/8" thick 3.1 87 28 2436 14.5 PLAZA STONE		2 3/8" Edger	3.9	104	28	2912	20.8
PLAZA STONE	HONEYCOMB						
		2 3/8" thick	3.1	87	28	2436	14.5
2 3/8" thick 2.73 89 28 2492 17.8	PLAZA STONE						
		2 3/8" thick	2.73	89	28	2492	17.8

PAVER INSTALLATION INSTRUCTIONS

Interlocking Concrete Paving Stones

- 1. Prepare the site, making a compacted base with 17AA or 21AA slag or gravel between 8" and 12" for driveways, or with 30-A slag sand or 21AA gravel up to 4" to 6" for patios and walkways. Slope as necessary for drainage.
- 2. Spread a layer of slag 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 1/4" to 1/2") 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 paying stone splitter or masonry saw.
- **5.** Make a minimum of two passes over paving stones with a plate vibrator.
- 6. Fill the joints by sweeping dry sand over the paving stones, leaving a thin layer for final vibration. Use slag sand for Carousel Stone, but sweep the paving stones clean before step #7.
- 7. Vibrate sand into joints and sweep off excess sand. The pavement is now ready for immediate use.

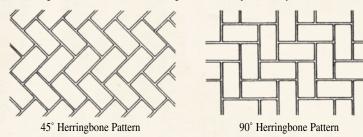


1" maximum Sub-base Surcharge
Vibrate stones into place using a plate vibrator.

Interlocked Patterns

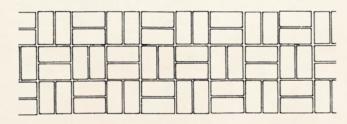
The Herringbone Patterns

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



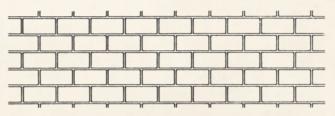
Parquet Pattern

A pattern with unlimited variations



Runner Bond Pattern

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



Installation Video

A 15-minute, do-it-yourself installation video covering all the steps involved in installing your own patio or sidewalk, is available for rent and/or purchase. Consult sales staff for details.

FENDT ENVIRONMENTAL PRODUCTS

Professional designers and homeowners alike are concerned with designing and utilizing products that are environmentally friendly. By their very nature, locally-produced concrete products offer the design professional smart solutions to meet and exceed the requirements to qualify for LEED (Leadership in Energy and Environmental Design) certification.

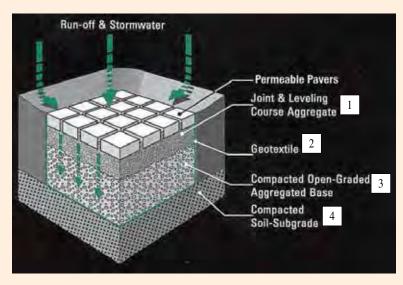
Fendt has provided environmentally-friendly products for years. Monoslab Grass Pavers offer horizontal stabilization to green areas that can be used for emergency vehicle access and overflow parking areas. Fendt's Geolink product provides slope stabilization and erosion control for riverbanks and drainage areas.

Permeable pavements now offer a new dimension by allowing a higher percentage of rainwater to permeate through the pavement system as opposed to adding to overburdened storm water systems. 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

When installed as part of the Bio-Aquifer Storm System (BASS™), permeable pavers allows 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.



- JOINT FILLING BEDDING LAYER 1/8" Crushed Stone Chips
- GEOTEXTILE
 Non-woven Geotextile Fabric, Minimum 4-1/2 Ounces Per Square Yard
- BASE COURSE 6A Crushed Aggregate
- 4 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.

ECO-BRICKTM PERMEABLE PAVERS

ECO-CLASSIC PERMEABLE PAVERS



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 1 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 cube: 2,592 lbs

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 1 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 cube: 2,719 lbs



▲ ECO -CLASSIC

OLD WORLD 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 1 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 cube: 2,719 lbs



▲ OLD WORLD ECO-CLASSIC

MONOSLAB® GRASS PAVER®

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 Grasspavers allow a lawn area to be used for parking or driveways – preserving green space in places where it's scarce.

MONOSLAB Grasspavers 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 Grasspavers 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 covers 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 rumble, when driving over the concrete grids, alerts drivers.



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

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.

They are 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.

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 development. MONOSLAB offers a relief from traditional hard surfacing by introducing stabilized grass areas. Suitable for parking lots and overflow parking areas, they will also allow utility trucks to drive over landscaped grounds.





MONOSLAB® GRASS PAVER® SO EASY TO INSTALL



STEP 1

For heavy loads bulldoze one foot below finished grade.

For light loads bulldoze one-half foot below finished grade.



STEP 4

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



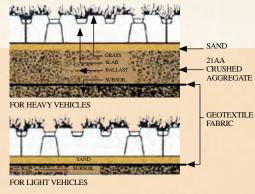
STEP 2

For light loads (automobiles) spread and tamp-or-roll one inch sand bed directly on the sub-grade.



STEP 5

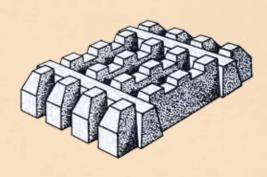
Ready for service.



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.



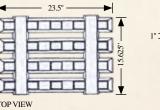
SO MANY BENEFITS

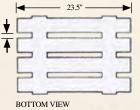
- Minimize storm water run-off
- Replenish subterranean ground water
- Avoid erosion & soil wash away
- Protect lawns from wheel tracks
- Reduce hard surface pavement

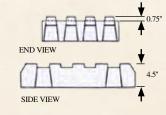
All of the above objectives can be accomplished by installing MONOSLAB. On a test installation of tufted Grass Paver bedded on 2 inches of coarse sand spread over 6 inches of gravel, with clay sub soil, no water ran off for an hour. Storm water run-off then ranged from 5% to 18%.

SPECIFICATIONS

MEASUREMENTS	USA/CAN actual	USA/CAN 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"
	270 :	2.2/2 6	2 :1 0 6
area, gross	370 sq in	2-2/3 sq ft	3 grids = 8 sq 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 lb	94 lb	depends on water absorption
strength, compression	4000 psi	4000 psi	per ASTM C140-70
braking load, transverse	-	-	see specification and test procedure shee
absorption, water	13 # / cu ft	13 # / cu ft	per ASTM C140-70







GEOLINK 5



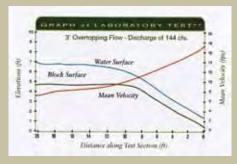
Soil erosion has been an issue plaguing engineers for decades. It is a well-known fact that the single biggest impact on water quality is a direct result of the soil erosion process. As a result of new federal and local regulations mandating the control of silt runoff, the engineering community must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

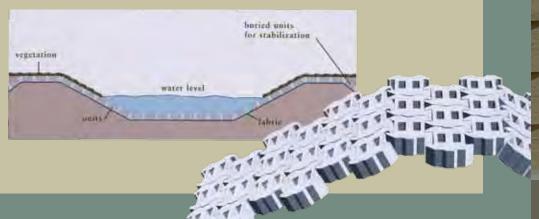


Geolink's premium design inhibits the transport of soil during the erosion process and helps keep our waterways free from silt and hazardous pollutants. Open cells within the block support and maintain vegetative growth enhancing water quality through a natural cleansing process by filtering out contaminates.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

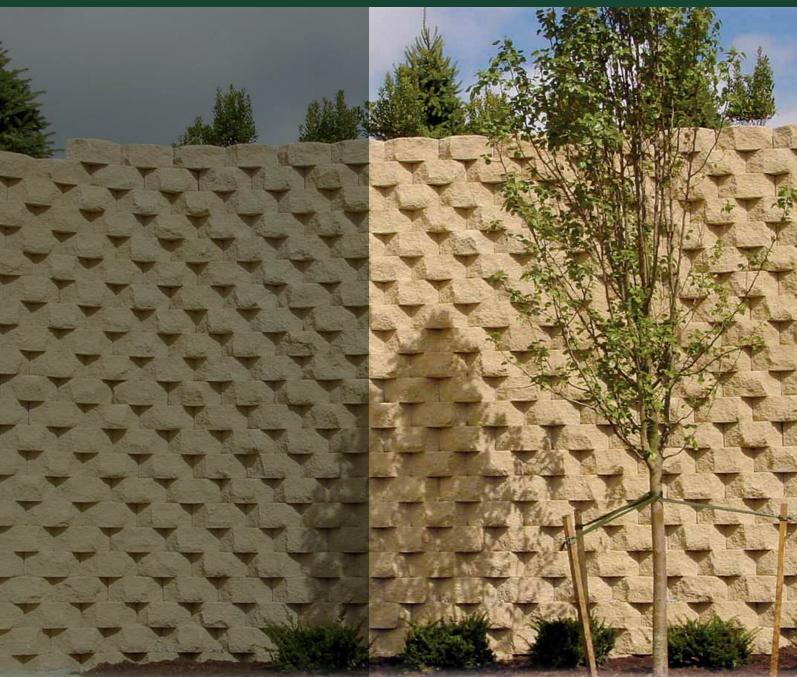
PERMEABLE GRASS PAVER

- GEOLINK units with vegetation
- Soil filled units
- Engineering fabric layer
- Drainagemedia
- Prepared sub grade foundation





FENDT WALL STONES



▲ 8" KEYSTONE SCULPTURED SPLIT

OLD WORLD STONEGATE

Landscape retaining walls offer an unlimited palette for imaginative home and commercial landscaping projects. Fendt offers a full line of Keystone® Retaining Wall products, including Country Manor® and Garden Wall brands. Set your imagination free.

GARDEN WALL

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.



(Unit shown upside-down to show rear lug)



RUSTIC BLEND







WALNUT BLEND









GOLDEN ROD





KEYSTONE® HEWN STONE

KEYSTONE® VERAZZO STONE



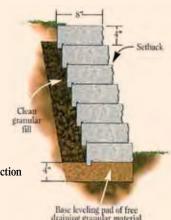
Removing rear lugs when building curves.

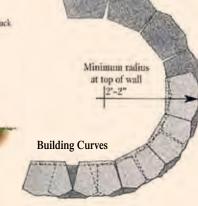
To remove outside lugs or edges of retaining lip, hold unit securely or place at angle on ground. Strike the lug firmly with a hammer. Always wear safety glasses to protect eyes from chips.

Size: 4"H x 12"W x 8"D Exposed Face Area: 1/3 sq. ft. (4" x 12") Weight: 25 lbs. Unit per pallet: 96 units Weight per pallet: 2400 lbs



Typical Landscape Wall Section





GLENSTONE

OLD WORLD 4" Radius Glenstone

- Great as a Cap for Fire Pit Block, OR
- Use with our Glenstone Wall to turn Radius
- No Cutting Required 16 Units per Circle • Stock Colors: Walnut, Rustic, Limestone,
- Camel, Greystone, Burgundy
- 96 Units / Pallet
- 27.55 lbs. / Unit
- 2645 lbs. / Pallet



Size: 4"H x 8"D x 12 1/4" / 9 1/8"

O.W. SEASHELL

























KEYSTONE VERAZZO STONETM



OLD WORLD GLENSTONE

GLENSTONE

Old World Glenstone—crafted for ease of use to build small decorative walls, columns, planters, steps, and freestanding knee walls. These tumbled Old World Glenstone wall stones are featured in a singular dimensional size for maximum versatility!

Old World Glen Stone is a tumbled solid block with 4" x 8" x 12" dimensions. This size allows for numerous installation patterns, including running bond, random and column layouts. Stocked in Rustic, Limestone, Walnut, and Burgundy Blends, and Camel, Greystone, Chestnut, and Slate. Old World Glenstone adds a new dimension to virtually any landscape project. It can even be used as a cap for columns built from Fendt Stonegate Country Manor.™



Size: 4"H x 8"D x 12"W Exposed Face Area: 1/3 sq. ft. (4" x 12") Weight: 32 lbs. Unit per pallet: 96 units Weight per pallet: 3072 lbs.

Ask your landscape products dealer or contractor to specify Old World Glenstone-or one of the other great Fendt paver and wall stone products for your next project.

With unmatched strength and stability, Keystone Verazzo StoneTM has rugged good looks and aesthetic appeal. Each Keystone Verazzo Stone™ is angled on both sides providing different face lengths for a tight fitting, straight wall. Aligning units is also effortless due to the Keystone proven multiple pin positions allowing for a nearly vertical or offset wall.

Keystone Verazzo Stone[™] looks like a natural element in your yard because each unit is finished on two sides. Verazzo Stone™ is also available in Rustic, Limestone, Camel, and Chestnut.



.. 6"H x 16/12"W x 10-1/2"D



VERAZZO STONE









KEYSTONE VERAZZO STONE

VERAZZO RETURN CORNER



VERAZZO RETURN CORNER



CORNER CONSTRUCTION



24" X 24" PIER Utilizing 4-return corners





STONEGATE

creating the look of old stone. Offered in both

Country Manor (untumbled) and Old World

– or one of the other great Fendt paver and

Stonegate has a unique smooth face which allows for a more refined cut-stone look to complement your backyard patio, courtyard or decorative retaining wall.

STONEGATE V

O.W. LIMESTONE BLEND

O.W. SEASHELL BLEND

WALNUT BLEND



LIMESTONE BLEND



...6"H x 10"D x 32"W Max.* Exposed Face Area 1.4 Sq. Ft. Max. Weight/Set......137 lbs. Weight per pallet.....2788 lbs.

LARGE UNIT 6"h x 10"d x 16"/14"w (150mm x 250mm x 400mm/350mm)



(150mm x 250mm x 300mm/250mm)

SMALL UNIT 6"h x 10"d x 6"/4"w (150mm x 250mm x 150mm/100mm)











COUNTRY MANOR



the idea behind Country Manor—random Manor takes the theme even further with yesteryear. Choose from five colors and two stone sizes for a custom look and feel.

COUNTRY MANOR



COUNTRY MANOR SE (Smooth Ends)

..6"H x 10"D x 32"W Max.* Exposed Face Area1.4 Sq. Ft. Max. 60 lbs. (27 kg) 6"h x 10"d x 16"/14"w Sets per pallet... Weight per pallet......2788 lbs. ..3"H x 10"D x 32"W Max.* Exposed Face Area0.7 Sq. Ft. Max.71 lbs. Weight/Set..... Sets per pallet.....

LARGE UNIT 34 lbs. (16 kg) 3"h x 10"d x 16"/14"w Weight per pallet.....2888 lbs. (75mm x 250mm x 400mm/350mm)

LARGE UNIT

COUNTRY MANOR RC (Return Corner)

..6"H x 10"D x 32"W Max.* Set Size . Exposed Face Area1.4 Sq. Ft. Max. .137 lbs. Weight/Set... ...20 Weight per pallet......2788 lbs. ...3"H x 10"D x 32"W Max.* Exposed Face Area0.7 Sq. Ft. Max. Weight/Set..... Sets per pallet.... Weight per pallet......2888 lbs.

LARGE UNIT

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

(150mm x 250mm x 400mm/350mm)

LARGE UNIT

34 lbs. (16 kg) 3"h x 10"d x 16"/14"w (75mm x 250mm x 400mm/350mm)

FIBERGLASS PIN

 $5 - \frac{1}{4}$ " (130mm) long $\frac{1}{2}$ " (13mm) diameter $\frac{3}{4}$ " (20mm) diameter at shoulder

MEDIUM UNIT

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

MEDIUM UNIT

3"h x 10"d x 12"/10"w

MEDIUM UNIT

6"h x 10"d x 12"/10"w

MEDIUM UNIT

3"h x 10"d x 12"/10"w

25 lbs. (11 kg)

40 lbs. (18 kg)

25 lbs. (11 kg)

(150mm x 250mm x 300mm/250mm)

(75mm x 250mm x 300mm/250mm)

(150mm x 250mm x 300mm/250mm)

(75mm x 250mm x 300mm/250mm)







O.W. WALNUT BLEND



O.W. LIMESTONE BLEND





RUSTIC BLEND



SMALL UNIT

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

SMALL UNIT

3"h x 10"d x 6"/4"w

SMALL UNIT

25 lbs. (11 kg)

6"h x 10"d x 6"/4"w

SMALL UNIT

3"h x 10"d x 6"/4"w

12 lbs. (5 kg)

12 lbs. (5 kg)

(150mm x 250mm x 150mm/100mm)

(75mm x 250mm x 150mm/100mm)

(150mm x 250mm x 150mm/100mm)

(75mm x 250mm x 150mm/100mm)



WALNUT BLEND



LIMESTONE BLEND



CAMEL



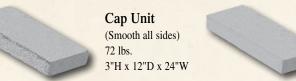


CAPS

Cap Unit (One side textured)

3"H x 12"D x 24"W

Stocked in all six standard colors



Stocked in all Stonegate colors and Burgundy Blend

Exposed Face Area 1/2 Sq. Ft. (3" x 24") Units per pallet...... 48 units Weight per pallet...... 3504 lbs. Linear foot coverage 2 l.f.

PINS

Country Manor Shouldered Pin

5 1/4" long 1/2" diameter 3/4" diameter at shoulder 100 Pins/Box

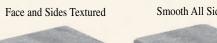
5 Pins/Set of Country Manor 1 Box (100 pins) per pallet of Country Manor

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 no sides textured. This eliminates the need to make difficult miter cuts and also allows the user to make attractive caps for the 20", 30" and 38" Country Manor piers (See page 55).

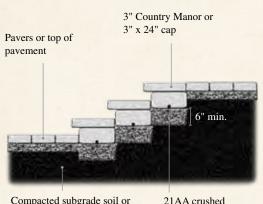
3" Country Manor

Size. .. 3"H x 12"D x 12"W Exposed face area 1/4 Sq. Ft. (3" x 12") Weight. . 36 lbs. . 96 units Units per pallet Weight per pallet. . 3504 lbs





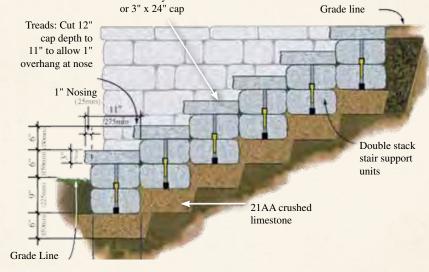
STEP DETAILS

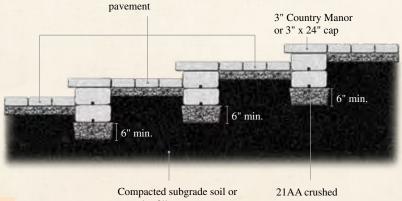


Pavers or top of

Compacted subgrade soil or granular fill

21AA crushed limestone





granular fill

limestone

PIER AND PIER CAP DETAILS

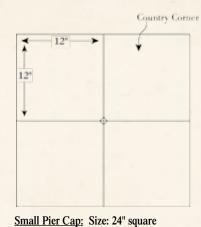
20" Pier



20" Pier, 1st and odd numbered courses



20" Pier, 2nd and even numbered courses



For 20" pier or center top cap of larger piers.

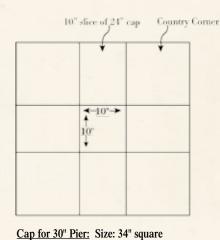
30" Pier



30" Pier, 1st and odd numbered courses



30" Pier, 2nd and even numbered courses



Note: Leave 10" square in center open for plantings or cover with 24" pier cap.

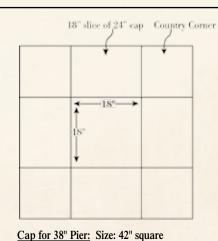
38" Pier



38" Pier, 1st and odd numbered courses



38" Pier, 2nd and even numbered courses



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



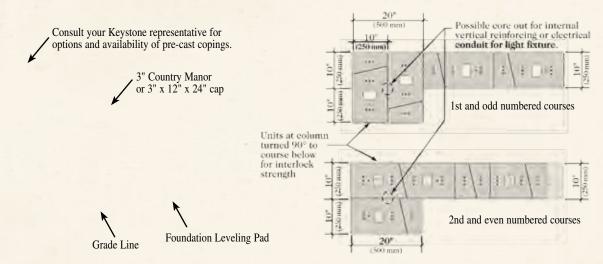
MANOR.

DESIGN DETAILS

FREE STANDING WALL APPLICATIONS

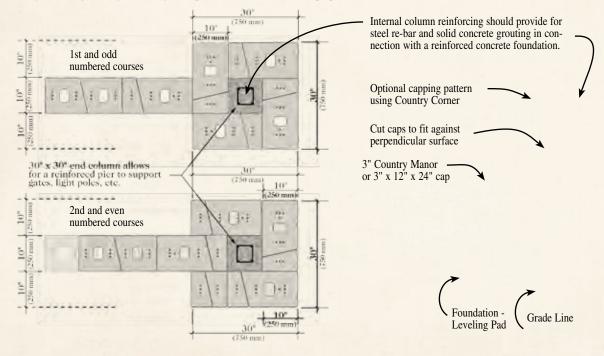
Column Corner

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.



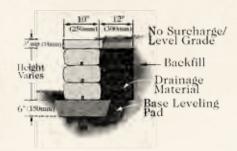
Wall End Column

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.

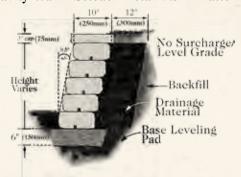


DESIGN CONSIDERATIONS

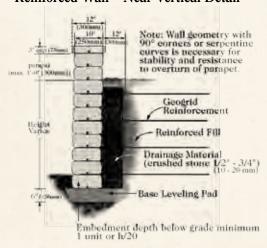
Gravity Wall – Near Vertical Detail



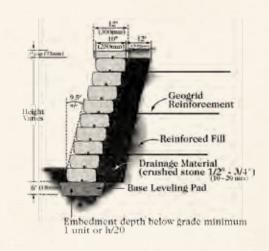
Gravity Wall – Setback Detail 9.5° + Batter



Reinforced Wall - Near Vertical Detail



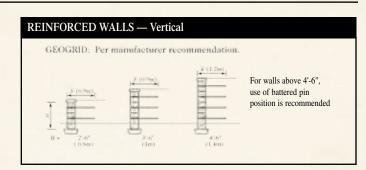
Reinforced Wall – Setback Detail 9.5° + Batter

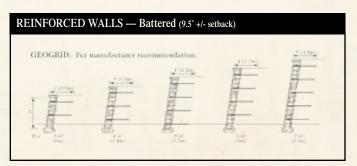


The state of the s						
GRAVITY WALLS (maximum unreinforced wall height)						
Maximum	Near V	ertical	9.5° +/- Batter			
Height	Level	3H:1V	Level	3H:1V		
SAND/GRAVEL	2'-0"	1'-6"	3'-0"	2'-6"		
PHI=34°	(0.6m)	(0.45m)	(0.9m)	(0.75m)		
SILTY SAND	1'-6"	1'-6"	2'-6"	2'-0"		
$PHI = 34^{\circ}$	(0.45m)	(0.45m)	(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 lb./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.





Country Manor installation and design information reprinted by permission of Keystone Retaining Wall Systems, Inc.

KEYSTONE STRAIGHT SPLIT

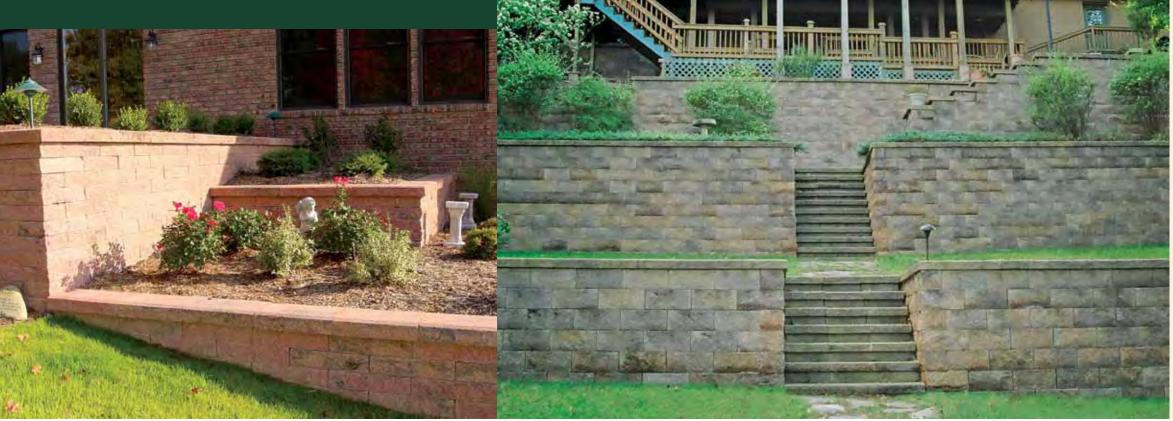
Keystone Straight Split wall stones are clean-cut and classic for those seeking a more traditional wall presentation.

Keystone Straight Split wall stones are available in a wide variety of sizes and colors. Imagine the creative possibilities Perfect for border walls, tree rings, terraces, corners, curves, steps



8" KEYSTONE STRAIGHT SPLIT

Fendt wall stones are tightly compacted during manufacturing, so the material absorbs very little moisture. This process minimizes the effects of freeze/thaw cycles.



▲ 4" MINI KEYSTONE STRAIGHT SPLIT

4" MINI STRAIGHT SPLIT



8" COMPAC STRAIGHT SPLIT



8" STANDARD STRAIGHT SPLIT



1/2 Sq. Ft. (4" x 18
43 lbs.
63 units
2709 lbs.

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	3096 lbs.

Size	8"H x 18"W x 22"D
Exposed face area	1 Sq. Ft. (8" x 18")
Weight	128 lbs.
Units per pallet	20 units
Weight per pallet	2560 lbs.

FIBERGLASS PIN

1/2" diameter 500 pins/box Two pins needed for each Mini, Compac and Standard.

90 DEGREE RETURN CORNER UNITS



8" 90° CORNER



Size	4"H x 18"W x 9"D
Exposed face area	1/2 Sq. Ft. (4" x 18")
Weight	43 lbs.
Units per pallet	60 units
Weight per pallet	2580 lbs.

8" KEYSTONE STRAIGHT SPLIT 🔺

 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
 2580 lbs.



GRA



RUSTIC BLEND



DESERT BROWN



WALNUT BLEND



LIMESTONE BLEND



Like Keystone Straight Split, Keystone

Sculptured Split wall stones. Available in a variety of colors and sculpted faces,

possibilities. Turn any landscaping project—large or small—into a

8" KEYSTONE SCULPTURED SPLIT \triangle

KEYSTONE

8" KEYSTONE SCULPTURED SPLIT





▲ 8" KEYSTONE SCULPTURED SPLIT

8" COMPAC SCULPTURED SPLIT

8" KEYSTONE SCULPTURED SPLIT

. 2560 lbs.



8"H x 18"W x 11"D Exposed face area... . 1 Sq. Ft. (8" x 18") 86 lbs. Units per pallet.. 36 units 3096 lbs. Weight per pallet.

8" STANDARD SCULPTURED SPLIT



8" 90° CORNER





(See splitting detail on page 70.)

Size	8"H x 18"W x 22"D
Exposed face area	1 Sq. Ft. (8" x 18")
Weight	128 lbs.
Units per pallet	20 units

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	2580 lbs

FIBERGLASS PIN

Weight per pallet ..

Two pins needed for each Mini, Compac and Standard.







RUSTIC BLEND

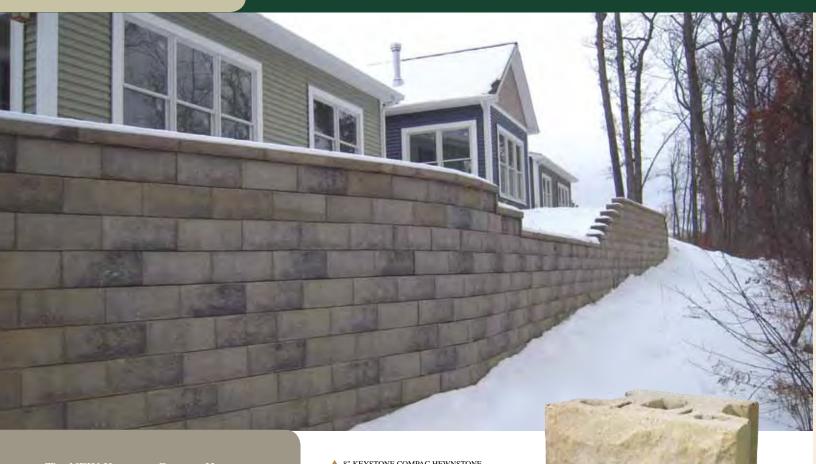


DESERT BROWN



KEYSTONE HEWNSTONE

HEWNSTONE RETURN CORNER



The NEW Keystone Compac Hewnstone, featuring a rough cut, natural stone look, is now available as part of Fendt's structural wall product lineup. The choice where the deep embedment length of the Standard unit is not required. An installer's favorite, its lighter weight and for smaller walls.

structural capabilities brings a new,

▲ 8" KEYSTONE COMPAC HEWNSTONE

KEYSTONE COMPAC HEWNSTONE UNIT:

Size	8"H x 18"W x 12"D
Exposed face area	1 Sq. Ft. (8" x 18")
Weight	86 lbs.
Units per pallet	36 units
Weight per pallet	3096 lbs.







Walnut Blend

Limestone Blend

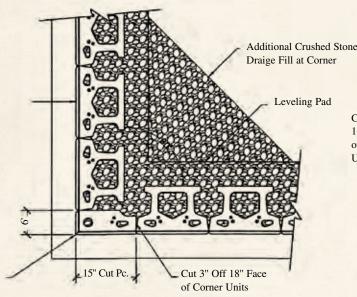
In order to make the return corners work to bond on the Keystone Hewnstone walls, it is necessary to modify them by cutting them to approximately 15" long. It is recommended that you lay the wall out first and then mark the return corners for cutting that will work for your specific application. Below are some guidelines to help you with this task, or you may ask any Fendt Representative for assistance.

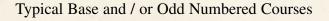
Regular Hewnstone Return Corner

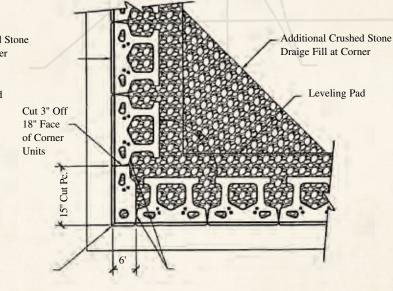


Modified Hewnstone Return Corner









Typical Base and / or Even Numbered Courses

NEW FROM FENDT! FIRE PIT BLOCK



Imagine having a beautiful block fire pit in your back yard without the building hassle or the high price! Fendt now has fire pit block that is easy to install, requires no block cutting and is a fraction of the cost of

OLD WORLD FIRE PIT BLOCK



Size: 5-1/2"H x 6"D x 15-1/2"/12 1/2"W

- Makes perfect 4' Diameter Circle (I.D.)
 No Cutting Required 12 Units per Circle
 Also Ideal for Tree Rings, Wishing Wells, etc...
 Stock Colors: Walnut, Rustic, Limestone, Camel
 75 Units / Pallet
- 38.8 lbs. / Unit
- 2910 lbs. / Pallet

OLD WORLD 4" RADIUS GLENSTONE



Size: 4"H x 8"D x 12-1/4"/9 1/8"W

- Great as a Cap for Fire Pit Block, OR

- Use with our Glenstone Wall to turn Radius
 No Cutting Required 16 Units per Circle
 Stock Colors: Walnut, Rustic, Limestone, Camel, Greystone, Burgundy
 • 96 Units / Pallet
 • 27.55 lbs. / Unit

- 2645 lbs. / Pallet

INVENTORIED COLORS

WALL CAPS &

STAIR TREADS

12"x12" Country Corner Cap

- Walnut Blend
- Rustic Blend
- Limestone Blend
- Slate
- Camel
- Greystone



12" X 12" COUNTRY CORNER CAP



3" X 24" ALL SMOOTH CAP

STAIR TREAD

3"x24" Cap Single Face Soft Split

- Walnut Blend
- Rustic Blend
- Limestone Blend
- Slate
- Camel

3" X 24" SINGLE FACE SOFT SPLIT CAP

Coping Stone

- Rustic Blend
- Antique Blend
- Walnut Blend
- Limestone Blend
- Slate
- Buckskin
- Brown



INVENTORIED COLORS

Universal Cap

- Walnut Blend
- Desert Brown
- Limestone Blend
- Grey
- Rustic Blend
- Camel
- Chestnut

3"x24" Cap All Smooth

- Walnut Blend
- Rustic Blend
- Limestone Blend
- Slate
- Camel
- Greystone
- Burgundy
- Chestnut

Universal Stair Tread

- Walnut Blend
- Desert Brown
- Limestone Blend
- Grey
- Rustic 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
Size	3h x 12w x 12d	3 1/2h x 18w x 12d	3h x 24w x 12d	3h x 24w x 12d	2 3/8h x 3 7/8w x 12 7/8d	3 1/2h x 18w x 20d
Weight per unit	36	62	70.1	71.5	9.915	106
Units per pallet	96	56	48	48	117	28

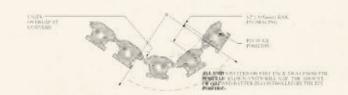
	12" x 12" Country Corner Cap	Universal Cap	3" x 24" Soft Split Cap	3" x 24" All Smooth Cap	Coping Stone	Stair Tread
Size	3h x 12w x 12d	3 1/2h x 18w x 12d	3h x 24w x 12d	3h x 24w x 12d	2 3/8h x 3 7/8w x 12 7/8d	3 1/2h x 18w x 20d
Weight per unit	36	62	70.1	71.5	9.915	106
Units per pallet	96	56	48	48	117	28
Weight per pallet	3456	3472	3365	3432	1160	2968



CONCAVE CURVES INSTALLATION PROCEDURES:

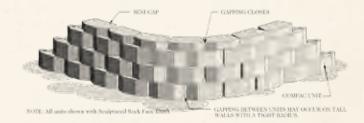
- Follow standard installation instructions for preparation of the subgrade and the leveling pad.
- 2. Overlap the corners of the base course. The amount of overlap will vary based on the size of the curve. Gapping will occur as the units batter or move away from the point of radius. The rate of gapping 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 pinholes 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.
- Follow standard installation instructions for backfilling and placement of additional courses.
- **4.** 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, radii 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.

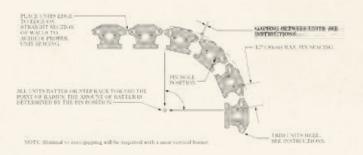




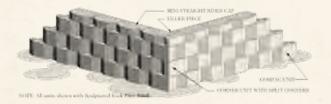
CONVEX CURVES INSTALLATION PROCEDURES

- 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 pinholes on adjacent first course units should not exceed 12" on center.
- Follow standard installation instructions for backfilling and placement of additional courses.
- **4.** 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





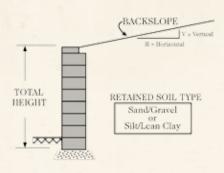




BASIC ENGINEERING

GRAVITY WALL DESIGN CHARTS

NEAR VERTICAL WALL



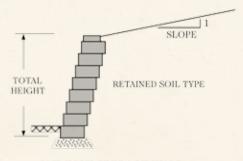
STANDARD UNITS

MAXIMUM GRAVITY WALL HEIGHT CHART						
Near Vertical Wall						
Soil Type	Level	4H:1V	3H:1V	2H:1V		
Sand/Gravel	5.2' (1.6m)	4.7' (1.5m)	4.6' (1.4m)	4.1' (1.2m)		
Silty Sand	4.7' (1.4m)	4.3' (1.3m)	4.1' (1.2m)	3.6' (1.1m)		
Silt/Lean Clay	4.4' (1.3m)	3.9' (1.2m)	3.7' (1.1m)	2.9' (0.9m)		

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)	2.6' (0.8m)	2.5' (0.8m)	2.3' (0.7m)		
	Silty Sand	2.6' (0.8m)	2.4' (0.7m)	2.3' (0.7m)	2.0' (0.6m)		
	Silt/Lean Clay	2.4' (0.7m)	2.1' (0.6m)	2.0' (0.6m)	1.7' (0.5m)		

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)			

67

GEOGRID CHART NOTES (See pages 64 and 65)

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 350 by Strata Systems UX 1400 by Tensar Corporation

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.

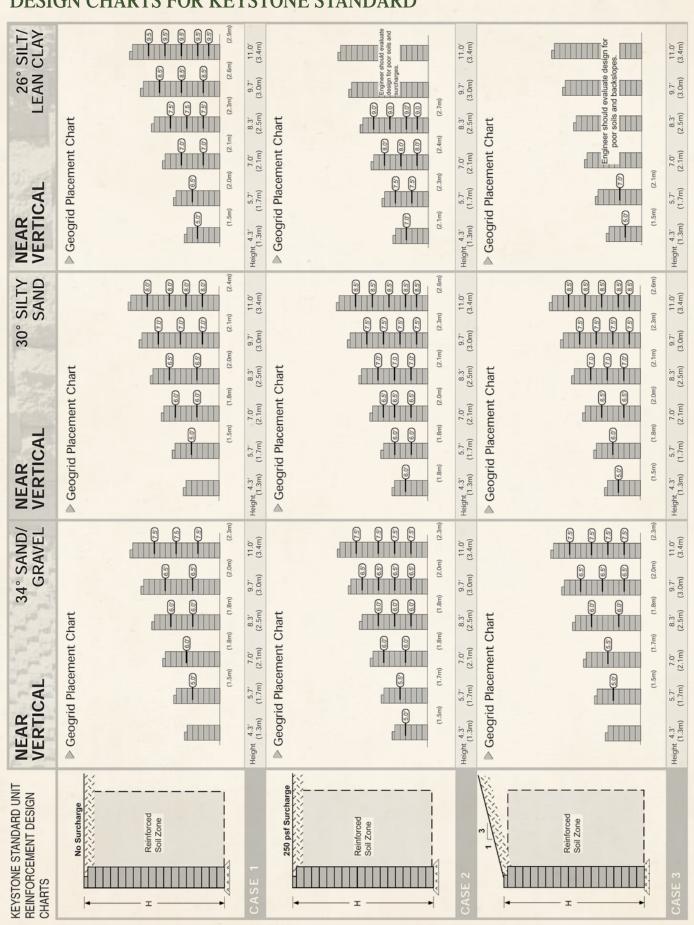
The information contained in the design charts is for preliminary design use only. A qualified professional should be consulted for final design assistance. Keystone accepts no liability for the improper use of these charts.

66

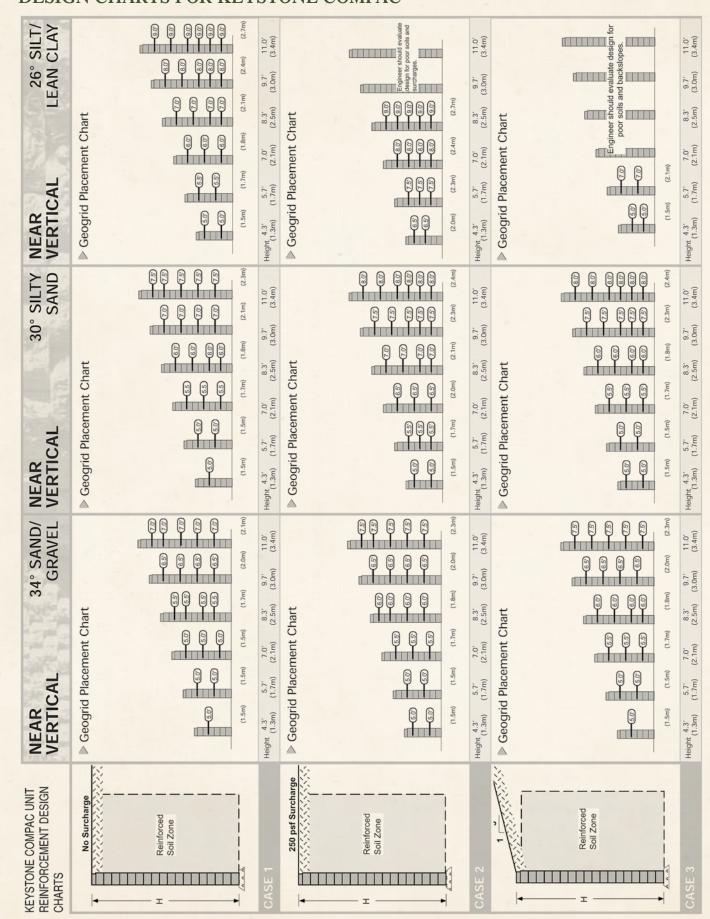




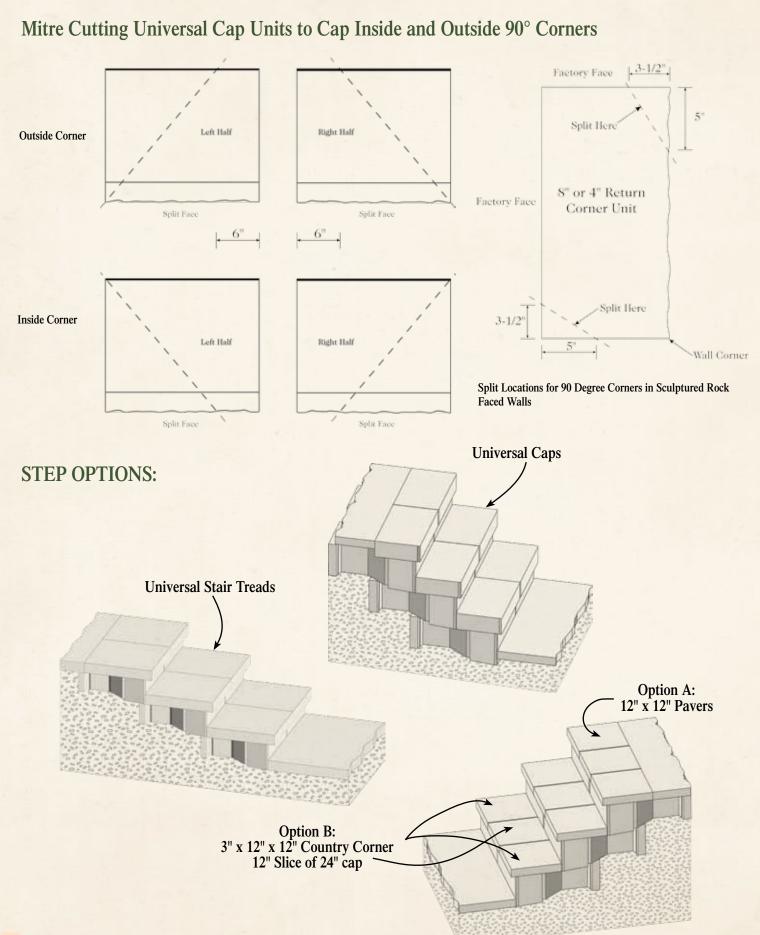
DESIGN CHARTS FOR KEYSTONE STANDARD



DESIGN CHARTS FOR KEYSTONE COMPAC







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



GARDEN WALL COLORS













Limestone Blend





COUNTRY MANOR COLORS



















STONEGATE & OLD WORLD STONEGATE COLORS



O.W. Walnut Blend











KEYSTONE STANDARD, COMPAC & MINI COLORS









Limestone Blend

Walnut Blend







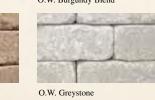






O.W. Limestone Blend



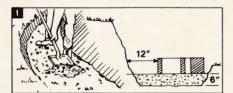




O.W. Chestnut





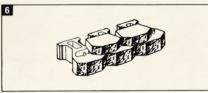












BASIC PRODUCT INSTALLATION

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

NOTE: When constructing walls less than 3' high, Keystone units can be placed on firm, undisturbed, inorganic soils. Recommended 12" drainage zone may vary due to site, soil or engineering requirements.)

■ 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. For layout and alignment of curves, see information under DESIGN GUIDELINES (page 6).

■ 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: <u>INSTALLING KEYSTONE CAPS</u>

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:

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 STEP 7: Proceed to place compacted backfill over criteria for biaxial or uniaxial geogrids.

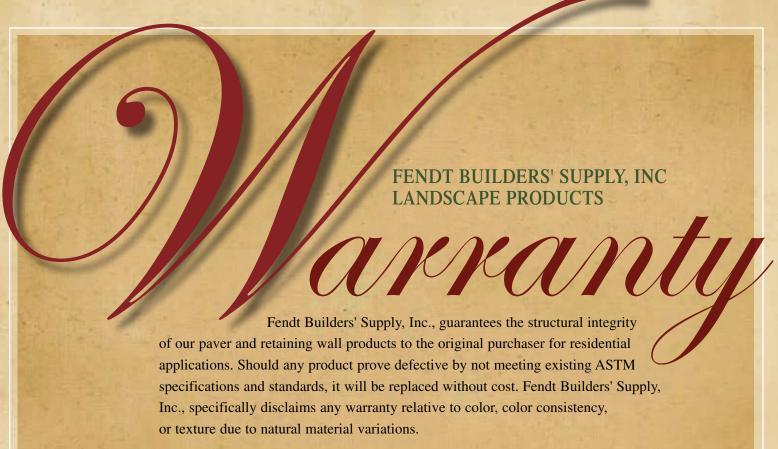
STEP 4: Hook geogrid over Keystone fiberglass pins, assuring a secure connection between unit and geogrid.

STEP 1: Follow steps 1 through 4 of BASIC 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

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.



Efflorescence, a white deposit common on concrete and masonry surfaces, is a natural occurrence and no warranty or liability is expressed or implied for this condition. Color matching of any replacement units cannot be guaranteed. Replacement labor and shipping costs are not included in this guarantee. Proof of purchase is required.

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 can be shoveled or plowed from pavers as readily as other pavements. High-strength, low-absorption Fendt pavers are more resistant to deicing 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.

The colors of products shown in this catalogue are to be used as representations or guidelines only. The photographer and printer 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 Builders' 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.





PAVER & WALL STONE REFERENCE GUIDE

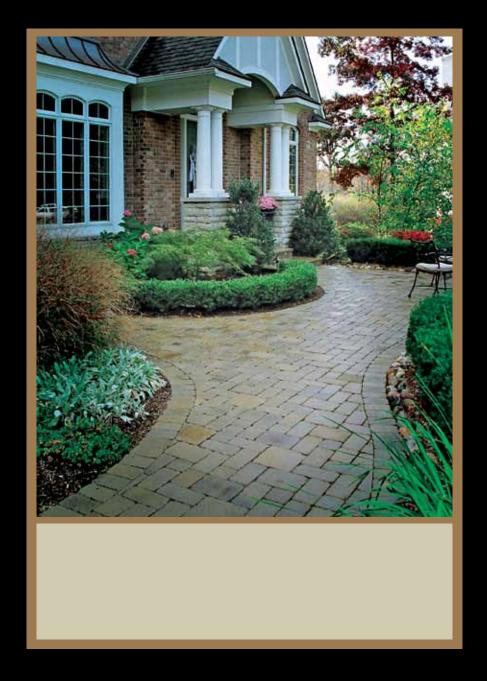
INVENTORIED PAVERS	Description	Units Per Sq. Ft.	Sq. Ft. Per Cube	Units Per Cube	Weight Per Sq. Ft.	Weight Per Cube	Sq. Ft. Per Strap
Holland 4" X 8"	2 3/8" Thick	4.5	108	486	28	3024	18
Holland 8" X 8"	2 3/8" Thick	2.25	96	216	28	2688	16
Holland 12" X 12"	2 3/8" Thick	1.00	72	72	28	2016	18
Cobblestone	2 3/8 Thick	3.5	103	360	28	2884	20.6
Symetry®	2 3/8 Thick	3.4	84	288	28	2352	21
6" X 6" (Use With Symetry®)	2 3/8" Thick	4.1	92	378	28	2576	13.14
Vintage Series - Circle Cube							
Square	4 3/4" x 4 3/4" x 2 3/8"	6.3	17.7	112	28	_	_
Large Circle	4 11/16" x 4 5/16" x 2 3/8"	8.3	28.9	240	28	_	_
Small Circle	4 11/16" x 4 5/16" x 2 3/8"	8.7	3.6	32	28	_	_
Half Stone	4 3/4" x 3 5/8" x 2 3/8"	8.4	20	168	28	_	_
Center Stone	4 3/4" x 3 5/8" x 2 3/8"	9.0	0.8	8	28	_	_
Totals For Cube			71	560		1988	
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		2240	
Vintage Large Rectangle Cube	7 1/8" x 4 3/4" x 2 3/8"	4.2	80	336	28	_	13.33
Vintage Extra Large Rectangle Cube	9 1/2" x 4 3/4" x 2 3/8"	3.1	90	280	28	2509	17.92
Vintage Double Large Rectangle Cube	7 1/8" x 9 1/2" x 2 3/8"	2.2	91	200	28	2548	_
Vintage Large Square Cube	9 1/2" x 9 1/2" x 2 3/8"	1.6	97	160	28	22716	_
Old World Holland	2 3/8" Thick	4.5	108	486	28	3024	_
Old World Random	2 3/8" Thick	_	96	288	28	2407	_
Old World Vintage	2 3/8" Thick	_	80 (Square Cube),	504	28	2240	_
	2 3/8" Thick	_	80 (Lg. Rectangle Cube),	336	28	2240	_
	2 3/8" Thick	_	90 (XL Rectangle Cube)	280	28	2509	_
	2 3/8" Thick	_	91 (DL Rectangle Cube)	200	28	2548	_
	2 3/8" Thick	_	97 (Lg. Square Cube)	160	28	2716	_
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	2205	11.25
Euro Stone (Use With Arrowhead™)	2 3/8" Thick	3.7	102	378	28	2856	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		1760	_
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			57.00			1881	
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
Holland 4" X 4"	2 3/8" Thick	4.5	108	486	28	3024	18
Holland 8" X 8"	3 1/8" Thick	2.25	74.67	168	37	2763	_
Holland 4" X 8"	3 1/8" Thick	4.5	84	378	37	3108	16
Old World Holland 8" X 8"	3 1/8" Thick	2.25	74.67	168	37	2763	_
Old World Holland 4" X 8"	3 1/8" Thick	4.5	84	378	37	3108	_
Old World Arrowhead™	2 3/8" Thick	4.8	78.75	376	28	2205	_
Old Style Symetry® (Use In Combination With Euro Stone)	2 3/8" Thick	3.1	93	288	28	2604	23.25

	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®	3 1/8" Thick	3.4	65	224	37	2405	18
6 X 6 (Use In Combination With Symetry®)	3 1/8" Thick	4.1	71.4	294	37	2642	18
Dura Stone	2 3/8" Thick	3.6	100	360	28	2800	20
	3 1/8" Thick	3.6	78	280	37	2886	_
Omni Stone	2 3/8" Thick	3.5	103	360	28	2884	20.6
Honeycomb	2 3/8" Thick	3.1	87	270	28	2436	14.5
Plaza Stone	2 3/8" Thick	2.73	89	243	28	2492	17.8
ENVIRONMENTAL PRODUCTS							
Eco-Brick	3 1/8" Thick	3.68	76.3	_	_	2592	_
Eco-Classic/ O.W. Eco-Classic	3 1/8" Thick	3.68	76.3	_	_	2719	_
Geolink	4"h x 12"w x 16"l	1.12	64	72	32-37	2938	_
Monoslab Grass Paver	4 1/2"h x 16"w x 24"l	.38	95.76	36	31.65	3031	_

Monoslab Grass Paver	4 1/2"h x 16"w x 24"l	.38	95.76	36	31.65	Linear Foot Coverage	
WALL STONES	Size	Exposed Face Area	Weight (Lbs.)	Units Per Cube	Weight Per Cube (Lbs.)		
Garden Wall	4"h x 12"w x 8"d	1/3 Sq. Ft. (4" x 12")	25	96	2352	1 l.f.	
Glenstone	4"h x 12"w x 8"d	1/3 Sq. Ft. (4" x 12")	32	96	3072	_	
Old World 4" Radius Glenstone	4"h x 12 1/4" / 9 1/8"w x 8"d	1/3 Sq. Ft. (4" x 12")	28	96	2645	_	
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	2928	1 Set = 2.5 l.f. max	
Country Manor SE - Smooth Ends							
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	2928	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	3088	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	2928	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	36 27 13	40 Sets/Cube	3088	1 Set = 2.5 l.f. max	
Country Manor Medium							
6" Medium Unit	6"h x 10"d x 12"/10"w	1 Unit = 0.5 Sq. Ft. Max	47	60	2868	1 Unit = 1 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	3272	1 Unit = 1.16 l.f. max	
Fire Pit Block	5 1/2"h x 6"d x 15 1/2"/12 1/2"w		39	75	2910	_	
Sculptured Split Face Units							
Compac	8"h x 18"w x 11"d	1 Sq. Ft. (8" x 18")	78	36	2808	1.5 l.f.	
Standard	8"h x 18"w x 22"d	1 Sq. Ft. (8" x 18")	116	20	2320	1.5 l.f.	
Straight Split Face Units							
Mini	4"h x 18"w x 11"d	1/2 Sq. Ft. (4" x 18")	43	63	2709	1.5 l.f.	
Compac	8"h x 18"w x 11"d	1 Sq. Ft. (8" x 18")	86	36	3096	1.5 l.f.	
Standard	8"h x 18"w x 22"d	1 Sq. Ft. (8" x 18")	128	20	2560	1.51.f.	
Hewn Stone Compac	8"h x 18"w x 11"d	1 Sq. Ft. (8" x 18")	86	36	3096	1.51.f.	
Universal Cap Unit	3 1/2"h x 18"w x 12"d	0.44 Sq. Ft. (3 1/2" x 18")	62	56	3472	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	2968	1.5 l.f.	
90 Degree Return Corner Units							
4" 90° Corner	4"h x 18"w x 9"d	1/2 Sq. Ft. (4" x 18")	43	60	2580	_	
8" 90° Corner	8"h x 18"w x 9"d	1 Sq. Ft. (8" x 18")	86	30	2580	_	
3" Caps/coping							
3" X 24" Cap	3"h x 12"d x 24"w	1/2 Sq. Ft. (3" x 24")	72	48	3504	2 l.f.	
Country Corner	3"h x 12"d x 12"w	1/4 Sq. Ft. (3" x 12")	36	96	3504	1 l.f.	
Coping Stone	3 7/8"w x 12 7/8"l x 2 3/8" Thick	2.83 Pcs/Sq. Ft.	10	117	1170	.33 l.f.	
SPECIAL ORDER WALL STONES							
Mini Sculptured	4"h x 18"w x 11"d	1/2 Sq. Ft. (4" x 18")	46	56	2576	1.5 l.f.	
Mini Cap Sculptured	4"h x 18"w x 11"d	1/2 Sq. Ft. (4" x 18")	46	56	2576	1.5 l.f.	
Compac Cap Sculptured	8"h x 18"w x 11"d	1 Sq. Ft. (8" x 18")	96	32	3072	1.5 l.f.	



BLOCKS, PAVERS & WALL STONES



Quality Products for over 80 Years.