

## BRANCH LOCATIONS

For product information and customer service  
call 1-888-MUTUALØ (688-8250)

### WESTERN WASHINGTON

AUBURN  
1357 W Valley Hwy N 98002

BELLEVUE  
605 119th Ave. NE 98005  
PO Box 2009, Bellevue 98009

BELLINGHAM  
4140 Bakerview Spur 98226

BURLINGTON  
1912 S Burlington Blvd 98233

MUKILTEO  
12406 Mukilteo Speedway 98275

OLYMPIA (TUMWATER)  
3150 29th SW 98512

PORT ORCHARD  
1515 Vivian Court 98366

REDMOND  
7760 185th Ave. NE 98052

TACOMA (PARKLAND)  
2201 112th St. S 98444

### EASTERN WASHINGTON

SPOKANE  
6721 E Trent Ave. 99212

IDAHO  
HAYDEN  
30 W. Orchard Ave. 83835

### OREGON & SW WASHINGTON

BEND  
1705 NE Lytle St. 97701

CLACKAMAS  
15791 SE Piazza Ave. 97015

DURHAM  
18230 SW Boones Ferry Rd 97224  
PO Box 333, Tualatin 97062

HILLSBORO  
1561 SE Enterprise Circle 97123

SALEM  
2245 Judson St. SE 97302

VANCOUVER, WA  
10019 NE 72nd Ave. 98686

### WESTERN MONTANA

KALISPELL  
3020 Hwy 2 E 59901

MISSOULA  
2910 American Way 59808

### WESTERN CANADA SALES

(604) 888-0555

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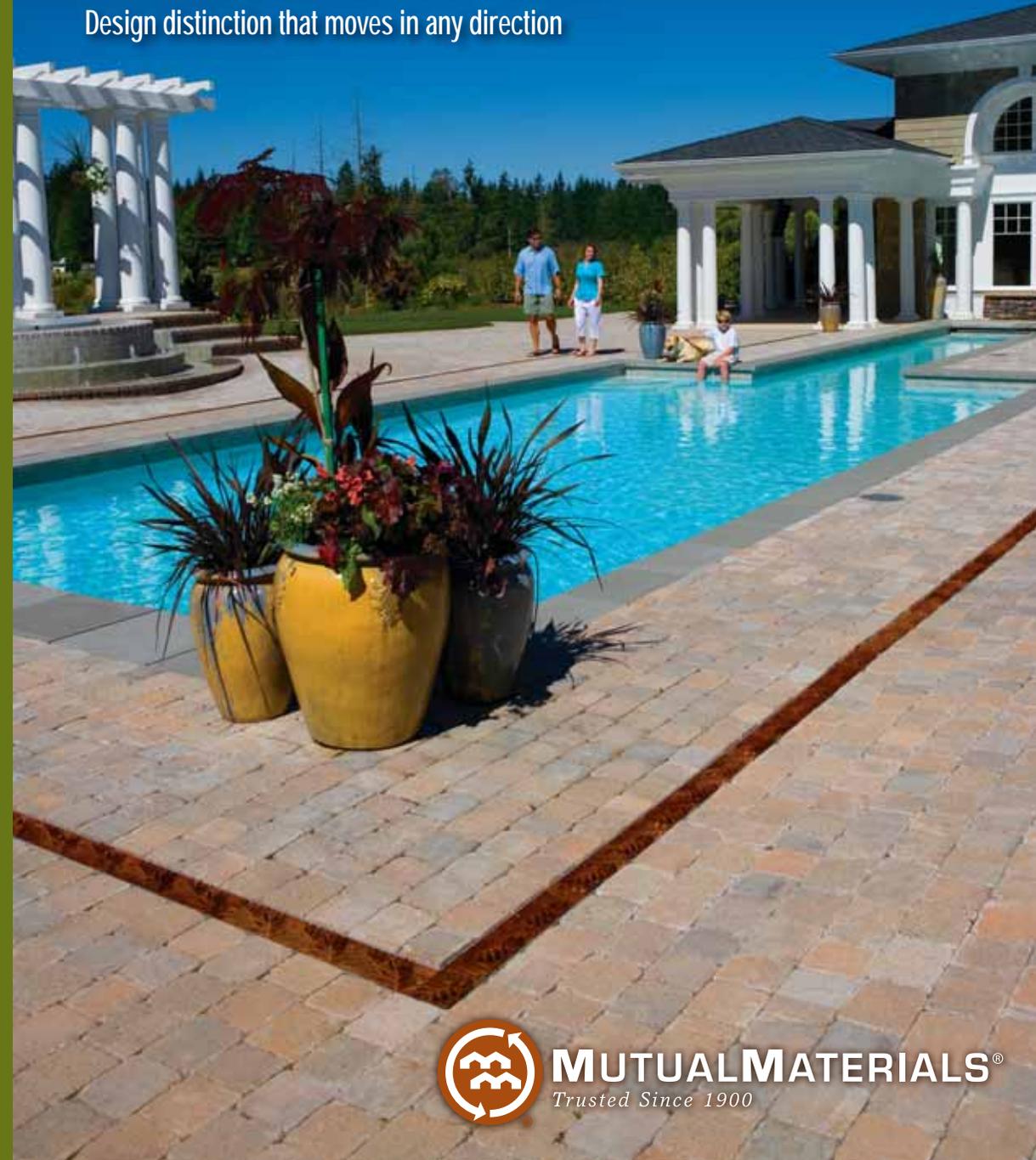
Special thanks to Parmenter Homes, Woodinville, Washington  
and Plantscapes, Seattle, Washington.

Cover: Paleo Harvest Blend



# HARDSCAPE

Design distinction that moves in any direction





# MUTUAL MATERIALS COMPANY

Our story begins with the Great Seattle Fire of 1889 that destroyed over 30 acres of the downtown business district. The only building left standing after the fire was built with brick. Before the smoke cleared, a city ordinance was passed declaring that all buildings and sidewalks in Seattle had to be made of fireproof materials. Workers from all over the United States came to Seattle to help rebuild, including Daniel Houlahan, a bricklayer from California. And, in 1900 he went on to found Builders Brick Company, Mutual Materials' predecessor.



1900: Founder Daniel Houlahan (far right)

Over the past century, Mutual Materials has grown to be the Northwest's leading manufacturer and distributor of masonry and hardscape products. As we enter our next century, we are more aware than ever of the responsibility we have to maintain our natural resources. In keeping with the Northwest's leadership in green building, we are committed to the research and development of products that keep these resources in mind. As a Northwest company we will focus on what it means to be environmentally responsible.

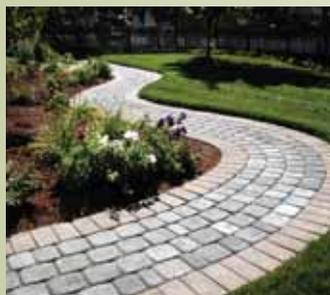
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# HARDSCAPES

With hundreds of shape, color and texture combinations, Mutual Materials™ Hardscape products give you the ability to create the ideal landscape for your home. Add warmth, beauty, sophistication, or rustic charm. Design options are virtually unlimited.

As you begin dreaming and designing, our catalog can provide you with project ideas, product information, how-to tips, and installation instructions. Also check out our website at [www.mutualmaterials.com](http://www.mutualmaterials.com).



## Pathways

Whether your path is short or long, angular or curved, Mutual Materials products enable you to build a wide range of natural, beautiful looks. The flexibility and ease of design with our pavers, slabs and natural stone make your walkway attractive and practical.



## Planters and Garden Walls

Our wide range of retaining wall styles, textures and colors let you create outdoor structures for your home. No matter if you need a low garden wall or a tall structural wall, Mutual Materials offers a retaining wall style to meet your design and functional needs.



## Patios

Add outdoor living space with a patio using Mutual Materials hardscape products. The wide choice of products, shapes and textures lets you create your ideal outdoor environment.



## Driveways

Pavers for your driveway not only add instant appeal and beauty to your home, they're also durable and easy to maintain. If a paver becomes permanently stained or damaged it can be easily removed and replaced.

## Front Entrances

A home's front entrance makes a big impression. Use our large selection of pavers, natural stone, slabs and retaining walls to craft a warm, unique welcome.



# OUTDOOR LIVING SPACES

## Tips For Great Hardscape Design

### 1. Determine Your Needs

- What are my personal needs? Entertainment space? Privacy? Functionality, such as walkways and driveways?
- What type of outdoor living space do I want to create?
- How should the hardscape portion embellish, complement or form the foundation for my outdoor living space?

### 2. Create Your Theme

Once you've determined your needs, your next step is to determine your theme. If the purpose of your outdoor living space is to entertain, you'll need to define your concept of entertaining first. Always remember to integrate your theme into your overall landscape design to ensure the softscape and hardscape elements complement each other.

### 3. Create a Sketch of Your Design

Whether or not you're an artist, you should create a dimensional site plan to help you visualize what the final project will look like, develop your budget and stay focused on the task at hand. If you want a professionally designed site plan, most contractors offer this service for a fee. If you choose to design the project yourself, you can purchase landscape books at most home improvement centers or bookstores to help you create your site plan.

### 4. Establish Your Budget

Your costs will vary based on the products you select, the intricacy of your design and the scope of your project. Some basic materials to factor into your budget include: excavation, base materials (crushed rock and washed sand), paver edge restraint, equipment rental (plate compactor, masonry saw, splitter, etc.), hardscape products (retaining wall units, pavers, geo-textile fabric, etc.), drain pipe (for behind retaining walls), paver joint sand, and adhesive.



### 5. Decide if You Want to Tackle it Yourself or Hire a Contractor

You may want to hire a professional. Installing hardscape features is hard work. Keep this in mind, especially if you're planning a large project. Hiring a contractor will add to your project costs.

### 6. Select Your Material

Today's hardscape market offers a variety of materials ranging from natural stone and boulders, to interlocking concrete pavers and segmental retaining walls. With an abundance of colors, sizes, shapes, and textures to choose from, you will have more than enough material options to help create the outdoor living space you desire.

### 7. Use the Proper Tools

As with any home improvement project, using the right tools is essential to ensure your project is structurally sound and stands the test of time. If you don't have the proper equipment, it is worth the extra investment to either rent or purchase the

tools needed to get the job done right. Consult the installation instructions in the following pages for suggested tools and materials lists.

### 8. Don't Cut Corners

While saving time or a few dollars up-front may seem attractive, it could have serious repercussions in the future. Your pavers or retaining wall could settle or tip, greatly reducing its stability and aesthetic appeal. It is important to follow the installation instructions as closely as possible. Do it right the first time. It's very hard to uninstall projects and put them back together as nicely the second time around.



# CONCRETE PAVERS

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Paleo

# ROMAN DOMINION™

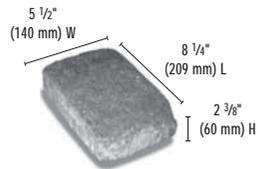
Customers desiring the look of a European courtyard, with easy-to-install sizes, will want to pave with Roman Dominion. These unique pavers are tumbled for a time-worn appearance. Their relieved corners add a soft, rounded texture.

Roman Dominion 6 x 6, 6 x 9 and 9 x 12 pavers are available in a variety of colors.

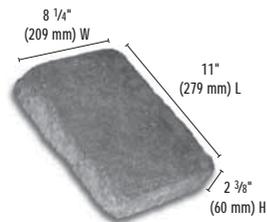
6 x 6



6 x 9

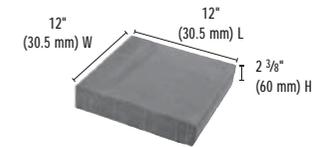


9 x 12



# MANOR SQUARE SHOT-BLAST 12 x 12

With its square dimension and shot blast finish, Manor Square pavers allow for the ultimate design versatility as they can be combined with other pavers or architectural slabs to create designs unique to your lifestyle.



# ROMAN COBBLESTONE

Tumbled to create a time-worn appearance, Roman Cobblestone adds beauty and character to any paved surface. They are ideal for both residential and commercial projects.



# PALEO

Paleo pavers offer the look of stone, with a touch of today's technology.

These popular pavers are tumbled and sized for the look and feel of old-fashioned cobblestones. Paleo's four sizes give you greater design flexibility. They are colored and textured to complement a number of Mutual Materials' popular retaining wall systems; including RomanPisa®, RomanStack® and Cellik Wall®. With the Paleo system, a look of timeless, classic beauty is easily achievable.



UNIT 1

UNIT 2

UNIT 3

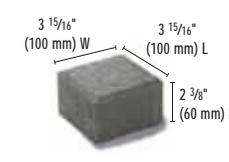
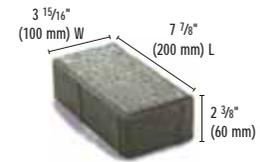
UNIT 4



HOLLAND

HALF HOLLAND

DOUBLE HOLLAND



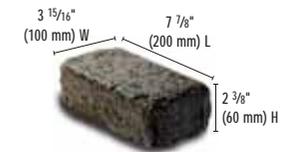
# HOLLAND SERIES

Holland pavers offer the traditional appeal of a simple brick shape with a beautiful, durable surface. Holland pavers come in three sizes, giving you the ability to mix shapes, patterns and colors for dramatic effect.

Please refer to the Holland Series tech sheet for more detailed dimension information.

# ROMAN HOLLAND

Our Roman Holland offers the beauty of a tumbled paver in the simple, rectangular shape of our traditional Holland. This stone gives you a variety of installation patterns for your patio, walkway or driveway. Use Roman Hollands alone, or combine them with Roman Cobblestone or Paleo for a truly unique design.



Cobblestone border

## UNI-DÉCOR®

Uni-Décor combines the classic shapes of a square and an octagon into one unique, versatile paver. When laid in a continuous pavement, the effect is one of subtle variations of shape and pattern. Featuring both a beveled edge and an interlocking shape, Uni-Décor pavers are equally at home in contemporary or traditional settings.

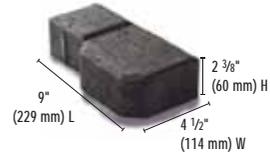
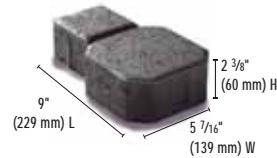
Please refer to the Uni-Décor tech sheet for more detailed dimension information.



Uni-Décor with Holland border

UNI-DÉCOR

UNI-DÉCOR EDGE



## ARROWHEAD® & 6" x 6"

Arrowhead and 6" x 6" square pavers, used together, allow you to create hundreds of eye-catching patterns, both in terms of shape and color, for your patio, driveway or pool deck. Arrowhead can also be used by itself to create flowing, interlocking patterns.

Please refer to the Arrowhead and 6" x 6" tech sheet for more detailed dimension information.



ARROWHEAD

6 x 6 SQUARE



## OLD DOMINION

With embossed edges and natural colors, Old Dominion pavers reproduce the essence of turn-of-the-century cobblestones. Old Dominion is available in three styles, allowing for multiple patterning possibilities. Old Dominion Squares & Rectangles, combine three shapes, offering a variety of random installation patterns. Old Dominion Fans are designed for use either alone, or in a continuous, interconnected fan pattern, to achieve a distinctive visual statement.

Above: Old Dominion Circle

Left: Old Dominion Fans with Holland border



OLD DOMINION FANS\*

OLD DOMINION CIRCLE\*\*\*

Fan	HEIGHT	LENGTH	WIDTH
	2 3/8" (60 mm)	35 3/4" (908 mm)	56" (1,422 mm)

Small Circle (1 pallet)	HEIGHT	DIAMETER	CIRCUMFERENCE
	2 3/8" (60 mm)	83 1/2" (2120 mm)	262 3/8" (6158 mm)

Large Circle (2 Pallets)	HEIGHT	DIAMETER	CIRCUMFERENCE
	2 3/8" (60 mm)	116 7/8" (2968 mm)	367 3/16" (9327 mm)

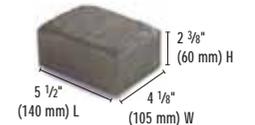


Please refer to the Old Dominion tech sheets for more detailed dimension information.

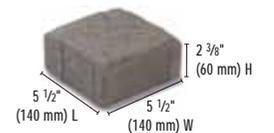
UNIT 1\*\*



UNIT 2\*\*



UNIT 3\*\*



\*Fan shown is not complete. Fans are assembled using individual paver units - consult Old Dominion Fan tech sheet for layout instructions. Fans must be purchased by the complete fan.

\*\*Must be purchased by the full layer—sizes come mixed on each layer.

\*\*\*Must be purchased by the full pallet.

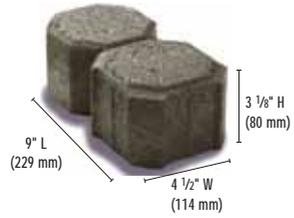


# PERMEABLE PAVERS

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## ECO-STONE®

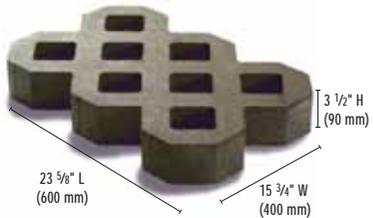
Eco-Stone® is an innovative, environmentally beneficial permeable paving system that allows rainwater infiltration. Excellent for driveways, parking areas and patios; easily supporting the weight of cars, trucks and RVs.



Holland border

## TURFSTONE

TurfStone provides a simple solution for pedestrian or low-vehicular-use areas. With a 40% open-area design, grass can grow through it to help control erosion and stabilize the soil.



Please refer to the Eco-Stone and TurfStone tech sheets for more detailed dimension information.

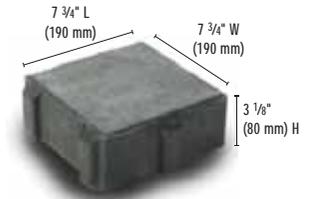


Double Holland border.

## SF RIMA®

SF Rima pavers provide versatility to your building projects. They can be installed two different ways, for two different results. Not only is SF Rima designed to reduce or eliminate storm water runoff, it is ideal for your environmentally friendly turf pavement projects. SF Rima pavers are sturdy enough for heavy vehicular traffic areas, while providing design options that are flexible and attractive.

Please refer to the SF Rima tech sheet for more detailed dimension information.



# CONCRETE PAVER COLORS

\*Photographs show the general appearance of color and textures. Due to the limitations of photography, the actual product shipped is not guaranteed to exactly duplicate each shade and texture shown here. Final color and product selection should be made from actual samples.



# STOCKING COLORS

● = Stock availability. Other colors may be available by special order.

	Standard Finish		Dura-Finish				Tumbled Finish				Shot-Blast							
	Cascade Blend	Charcoal	Harvest Blend	Gray	Rustic Blend	Red	Cascade Blend	Charcoal	Fall Blend	Rustic Blend	Red	Cascade Blend	Charcoal	Rustic Blend	Summit Blend	Charcoal	Gray	Tan
Roman Dominion®														●	●	●		
Manor Square Shot-Blast 12 x 12																	●	●
6" x 6" Square		●																
Arrowhead®				●														
Holland	●	●		●	●	●	●	●	●	●	●						●	
Double Holland	●	●		●		●				●							●	
Half Holland	●	●		●		●			●	●							●	
Roman Holland														●	●	●	●	
Old Dominion Circles**	●			●		●												
Old Dominion Fans*	●					●												
Old Dominion Squares & Rectangles*	●			●		●												
Paleo**														●		●	●	
Roman Cobblestone															●	●	●	
Uni-Décor® & Uni-Décor® Edge						●		●			●	●	●					
Eco-Stone® 8 cm				●														
Holland 8 cm		●																
SF Rima® 8 cm								●										
Turfstone 9 cm				●														

NOTE: Product is made with natural materials, so colors may vary. During installation, if random color patterns are desired, we recommend blending products from multiple pallets or pallet layers to achieve desired results.

Product colors and availability subject to change without notice.

Stocking quantities vary.

Please confirm availability.

All pavers listed are 6 cm unless otherwise noted.

8 cm and 9 cm products are designed for heavy traffic and/or commercial, industrial applications.

See your Mutual Materials sales representative for more information.

\* Must be purchased by the full layer.

\*\* Must be purchased by the full pallet.



# RETAINING WALLS

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\* The maximum wall heights listed in this section are for general guidance only and do not account for specific site conditions, such as soil stability, surcharge loads, global slope stability, and drainage. For information about the suitability of these blocks for your project, refer to the local building code and code enforcement officer, as well as a licensed professional engineer for detailed and project-specific limitations.



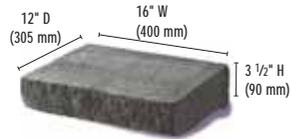
# CELTIK WALL®

Celtik Wall is a versatile system offering tremendous design flexibility and aesthetic appeal for straight, curved or circular walls.

Textured for a rustic look, Celtik Wall is available in four widths and two heights, enabling you to choose from a variety of wall configurations. All of the units can be combined to create an ashlar pattern when placed vertically and horizontally.



## CAP UNIT



Maximum wall height = 21 in (0.53 m) for vertical walls, 42 in (1.06 m) for 8° battered walls. Please refer to the Celtik Wall tech sheet for more detailed dimension and design information.



# ROMANSTACK® ASHLAR

RomanStack Ashlar walls are designed for garden walls, short free-standing walls, edging details, and raised flower beds. Textured on both faces, these retaining wall blocks can be used to create straight, curved and serpentine walls that are attractive from any angle.

With three wall unit sizes, two cap sizes and a 90° corner unit, RomanStack Ashlar can be used to create truly unique walls. Use the different units separately for simple retaining walls, or combine them for a traditional stonewall look.

Maximum wall height = 2 ft (0.61 m). Please refer to the RomanStack Ashlar tech sheet for more detailed dimension information.

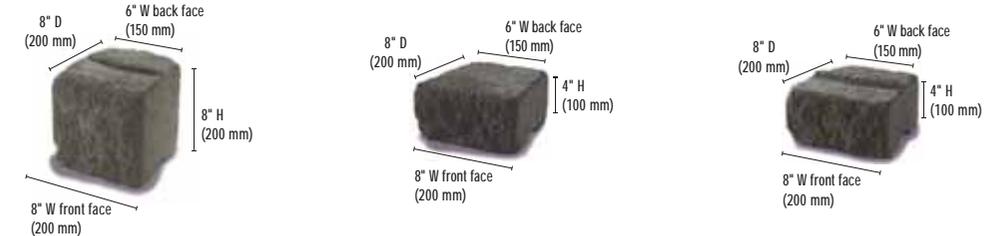
## 135 mm UNIT 1    135 mm UNIT 2    135 mm UNIT 3    135 mm UNIT 4



## 90 mm UNIT 1    90 mm UNIT 2    90 mm UNIT 3    90 mm UNIT 4



## JUMBO UNIT    4 x 8 CAP    4 x 8 UNIT



## 90 DEGREE CORNER UNIT    4 x 12 CAP    4 x 12 UNIT



# STACKSTONE®

StackStone walls are designed for garden walls, short free-standing patio walls, edging details and tree rings. Textured on both front and back faces, these small, flat face units can be used to create straight, curved and serpentine walls attractive from any angle. The two faces can be interchanged to create a unique look and/or freestanding walls that are beautiful from both sides. The matching cap unit gives your wall a finished look.

Maximum wall height = 2 ft. (0.61 m). Please refer to the StackStone tech sheet for more detailed dimension information.



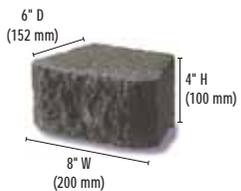
WALL UNIT

CAP UNIT



# VINEYARDSTONE®

VineyardStone is a miniature version of CottageStone® ideal for landscape accents. Used for lawn edging, tree rings and flowerbed borders accent areas, VineyardStone adds a finishing touch to your landscape.



Maximum wall height = 1' 8" (0.5 m). Please refer to the VineyardStone tech sheet for more detailed dimension information.



Maximum wall height = 3 ft (0.91 m). Please refer to the CottageStone tech sheet for more detailed dimension information.

# COTTAGESTONE®

Designed to be used for walls less than three feet tall, CottageStone retaining wall blocks are just the thing for small retaining walls, tree rings, borders, planters, edging and terraced gardens. CottageStone's tapered shape makes it easy to create straight or curved walls with ease.



# MANORSTONE®

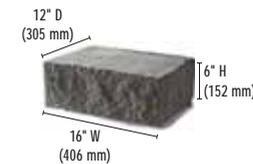
Wider and deeper than CottageStone, ManorStone is designed for scaled wall projects. ManorStone is available in several shapes—including radial, flat face, and straight-sided units that can be mixed and matched to create visual interest.

Maximum wall height = 3 ft (.91 m). Please refer to the ManorStone tech sheet for more detailed dimension information.

FLAT FACE TAPERED



FLAT FACE STRAIGHT-SIDED



CORNER\*



\* Available with straight sides and flat face only

RADIUS FACE TAPERED



RADIUS FACE STRAIGHT-SIDED



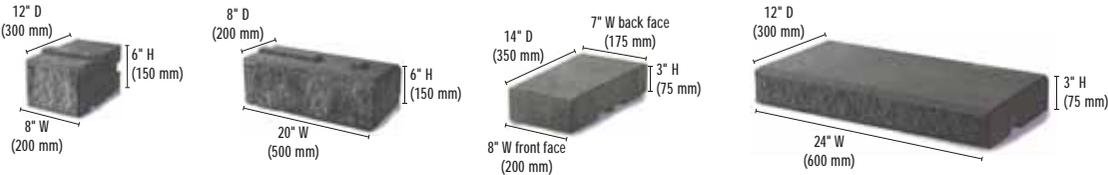
## PISA2®

Pisa2 retaining walls have the natural appearance of quarried stone. It is possible to incorporate straight walls, curved walls, 90° corners or any combination of the three. The matching coping units also make wonderful steps. The Pisa2 system is a good choice for landscapes with multiple wall heights, allowing for the use of the same wall shape throughout the landscape. Pisa2 walls can be designed to incorporate matching speakers and lights.



Maximum gravity wall height = 4 ft (1.2 m). Maximum reinforced wall height = 30 ft (9.1 m). Pisa2 units come in pairs and must be split on site. Please refer to the Pisa2 tech sheet for more detailed dimension information.

### TAPERED UNIT      CORNER UNIT      REVERS-A CAP      COPING UNIT



## ROMANPISA®

The tumbled version of Pisa2, RomanPisa blocks get their unique look from a specialized process that rounds the corners. The blocks have a worn cobble appearance that looks like real stone.



Maximum gravity wall height = 4 ft (1.2 m). Maximum reinforced wall height = 30 ft (9.1 m). Please refer to the RomanPisa tech sheet for more detailed dimension information.

### TAPERED UNIT



### CORNER UNIT



## CORNERSTONE®

Featuring lighter-weight, hollow-core units, the CornerStone system is ideal for easy construction. The patented "lug" and wedge shape allow for a strong unit-to-unit connection and maximum design flexibility without pins or clips. Concave and convex curves flow with precision, allowing for interesting wall designs.

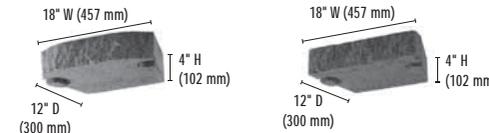
CornerStone can be used for both low-gravity walls and taller structural walls of varying heights, allowing you to use the same wall throughout your landscaping.

Maximum gravity wall heights:  
50-Series = 3 ft (0.91 m)  
100-Series = 4 ft (1.22 m)  
200-Series = 6 ft (1.83 m).  
Suitable for engineered walls up to 30 ft (9.14 m).

Not all shapes referenced here are stocking; please consult a Mutual Materials Representative for available colors and shapes. Please refer to the CornerStone tech sheet for more detailed dimension information.

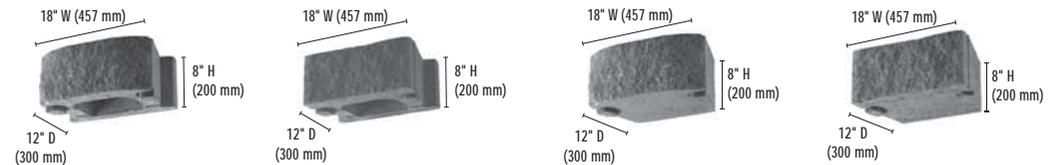


### RADIUS FACE 50 CAP\*      FLAT FACE 50 CAP\*



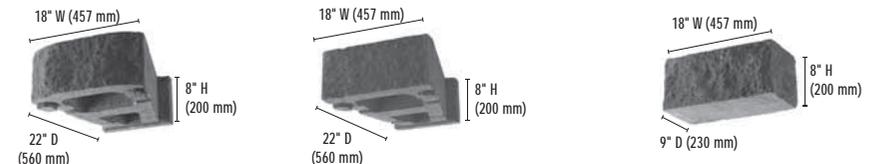
\* Available in tapered and straight-sided units

### RADIUS FACE 100      FLAT FACE 100      RADIUS FACE 100 CAP\*      FLAT FACE 100 CAP\*



\* Available in tapered and straight-sided units

### RADIUS FACE 200      FLAT FACE 200      FLAT FACE 100 CORNER\*\*

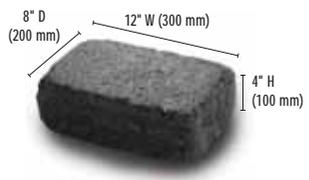


\*\*Corner Units available in Flat Face only

# TUSCANSTONE™

Warm and inviting, the rustic TuscanStone is perfect for any outdoor living area. With a classic hand-chiseled appearance, TuscanStone has the look of being aged in the sun for hundreds of years.

Typical uses include garden walls, planters, lampposts, stair treads, and pavers. It's an easy way to introduce a rustic European influence into your home.



Maximum gravity wall height = 2 ft (0.61 m). Please refer to the TuscanStone tech sheet for more detailed dimension information.



# RETAINING WALL COLORS

# STOCKING COLORS

\*Photographs show the general appearance of color and textures. Due to the limitations of photography, the actual product shipped is not guaranteed to exactly duplicate each shade and texture shown here. Final color and product selection should be made from actual samples.



Antique Blend—Split Face



Cascade Blend—Split Face



Charcoal—Split Face



Gray—Split Face



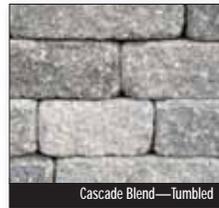
Harvest Blend—Split Face



Khaki—Split Face



Rustic Blend—Split Face



Cascade Blend—Tumbled



Cedar Blend—Tumbled



Charcoal—Tumbled



Harvest Blend—Tumbled



Rustic Blend—Tumbled



Summit Blend—Tumbled

	Split-Face Finish				Tumbled Finish				
	Antique Blend	Cascade Blend	Charcoal	Gray	Harvest Blend	Rustic Blend	Charcoal	Summit Blend	Autumn
Celtik Wall® 90 mm & 135 mm Units*							•	•	•
Celtik Wall® 90 mm Caps							•	•	•
CornerStone® Radius 100 Units					•	•			
CornerStone® Radius 200 Units					•	•			
CornerStone® Radius 100 Caps (tapered)					•	•			
CornerStone® Radius 100 Caps (straight-sided)					•	•			
CornerStone® Radius 50 Caps (tapered & straight-sided)					•	•			
CornerStone® Flat Face 100 Units					•	•			
CornerStone® Flat Face 200 Units					•				
CornerStone® Flat Face 50 Caps					•	•			
CornerStone® Flat Face 100 Caps (tapered)					•				
CornerStone® Flat Face 100 Caps (straight-sided)					•	•			
CornerStone® Flat Face 50 Caps (straight-sided)					•	•			
CornerStone® Flat Face 100 Corners					•	•			
CottageStone®	•				•	•			
ManorStone® Radius Face (tapered)	•	•			•	•	•		
ManorStone® Radius Face (straight-sided)	•				•				
ManorStone® Flat Face (tapered & straight-sided)	•				•	•			
ManorStone® Corner	•				•	•	•		
Pisa2® (tapered) & Pisa2® Corners		•			•	•			
Pisa2® Revers-a Cap & Coping Units		•	•		•	•			
RomanPisa® (tapered) & RomanPisa® Corners							•	•	•
RomanStack® Ashlar (all components)							•	•	•
StackStone® & StackStone® Caps		•			•	•			
TuscanStone™							•	•	
VineyardStone™	•				•	•			

• = Stock availability.  
Other colors may be available by special order.

NOTE: Product is made with natural materials, so colors may vary. During installation, if random color patterns are desired, we recommend blending products from multiple pallets or pallet layers to achieve desired results.

Product colors and availability subject to change without notice.

Stocking quantities vary.

Please confirm availability.

See your Mutual Materials sales representative for more information.

\* Must be purchased by the full layer.



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Vancouver Bay

# SLAB COLORS AND TEXTURES

## EXPOSED AGGREGATE

24" x 24" only



## GLACIER SLATE SERIES

24" x 24" only



## DIAMOND LAKE SERIES

24" x 24" only



## VANCOUVER BAY SERIES

18" x 18" and 24" x 24"



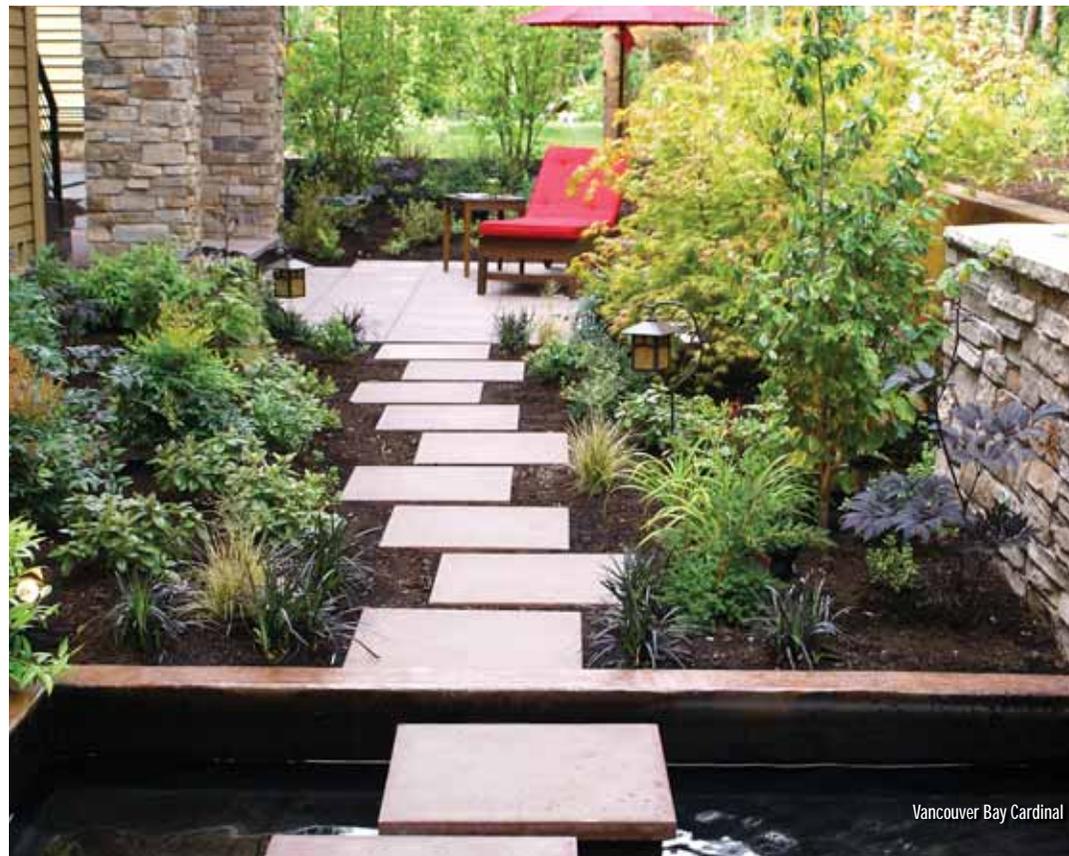
\* Photographs show the general appearance of color and textures. Due to the limitations of photography, the actual product shipped is not guaranteed to exactly duplicate each shade and texture shown here. Final color and product selection should be made from actual samples.

# STOCKING COLORS

	Glacier Slate	Diamond Lake				Vancouver Bay								
Exposed Aggregate		Charcoal	Gray	Copper Tan	Desert Sand	Gray Granite	Gray/Pink Ice	Gray/White	Cardinal	Chestnut	Graphite	Latte	Platinum	Sienna
18" x 18" x 1 5/8" (457 mm x 457 mm x 41 mm)									●	●	●	●	●	●
24" x 24" x 1 3/4" (610 mm x 610 mm x 45 mm)	●	●	●	●	●	●	●	●	●	●	●	●	●	●

● = Stock availability

NOTE: Product colors and availability subject to change without notice. Stocking quantities vary. Please confirm availability.



Vancouver Bay Cardinal



# NATURAL STONE

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## BOULDERS, COLUMNS & WALL ROCK

Landscape columns and boulders are large, decorative rocks used to create waterfalls, ponds, retaining walls and other large landscaping features. They are available in a wide variety of colors including brown, red, gray, gold, black, and green.



## LEDGESTONE

Ledgestones are generally flat building stones 3" to 6" thick, in a variety of lengths.

Commonly used for low retaining walls, borders, walkways, and raised planters, they can be dry-stacked or set with mortar and are available in a wide range of earth tones.



## FLAGSTONE

Flagstones are large, flat stones often used for patios, walkways, pool decks, and around ponds. With thicknesses ranging from ¾" to 3", flagstone colors range from brown and tan to blue, gold and green. Flagstones can be sand-set or mortar-set.

## DECORATIVE ROCK

We offer muted natural colors, a striking variety of rainbow rocks and even large columns. The uses of our decorative rock are limited only by your imagination.



# NATURAL STONE COLORS

\* These color photographs show the general appearance of color and texture ranges. Due to the limitations of photography, the actual product shipped is not guaranteed to duplicate each shade and texture shown here. Final color and product selection should be made from actual samples.



Ledgestone - Cabinet Gorge



Ledgestone - Chocolate Charcoal



Ledgestone - Falls Creek



Ledgestone - Lone Pine Gold



Ledgestone - Montana Mix



Ledge & Veneer Stone - Falls Creek



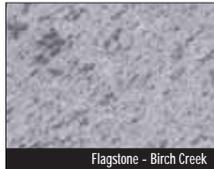
Ledge & Veneer Stone - Sage Hill



Veneer Stone - Camas Stone



Veneer Stone - Montana Mix



Flagstone - Birch Creek



Flagstone - Cabinet Gorge



Flagstone - Chocolate Charcoal



Flagstone - Classic Oak



Flagstone - Iron Mountain



Flagstone - Lavender



Flagstone - Lone Pine



Flagstone - Peach



Flagstone - Rosa Sandstone



Flagstone - Sunrise



Flagstone - Variegated



Blue Stone Treads



River Rock - Montana Gold



River Rock - Rainbow



River Rock - Oregon



Blue Stone - Tumbled Cobbles



Charcoal Mica Slate



Basalt Sawed Bottom



Iron Mountain



# CLAY PAVERS

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# CLAY PAVER COLORS AND SIZES

\*Photographs show the general appearance of color and textures. Due to the limitations of photography, the actual product shipped is not guaranteed to exactly duplicate each shade and texture shown here. Final color and product selection should be made from actual samples.



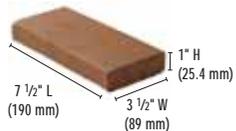
# STOCKING COLORS

● = Stock availability

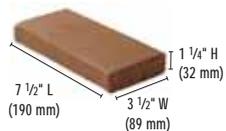
	Burgundy	Homestead Used Carib	Imperial Red Used	Pioneer Used Inca	Royal Plum Red Clay
1" Mica Tile (mortar-set only)	●			●	●
1 1/4" Versa Tile (mortar-set only)		●	●	●	
1 1/2" Paver (sand-set only)		●	●	●	
2 1/4" Paver (sand-set only)					●
2 3/8" Paver (sand-set only)					●

NOTE: Product is made with natural materials, so colors may vary. During installation, if random color patterns are desired, we recommend blending products from multiple pallets or pallet layers to achieve desired results. Product colors and availability subject to change without notice

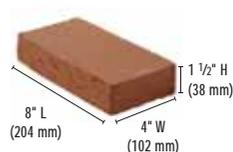
## 1" MICA TILE



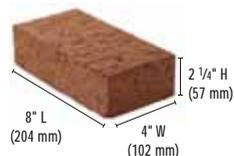
## 1 1/4" VERSA TILE



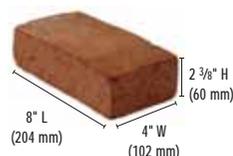
## 1 1/2" PAVER



## 2 1/4" PAVER



## 2 3/8" PAVER



## Edge Restraints

Edge restraints are a necessary component of all concrete paver installations. Edging is available in both rigid and flexible pieces. Whether you're building a patio, driveway or commercial installation, Mutual Materials carries an edge restraint designed to meet the specific technical requirements of your project.



## Sands, Gravel, Cements, and Mortars

Target® and DesignMix™ products are designed to meet the needs of homeowners, contractors and masons.

Available products include Target All-Purpose Sand, DesignMix™ Joint Sand, Mutual Concrete Mix, Mutual 5/8 Minus Base Rock, and Target Drain Rock.



## RisiLights® and RisiSounds®

RisiLights illuminate walkways, steps and terraces with attractive low-voltage or 110-volt lighting. RisiSounds add unobtrusive sound or music to your landscape. Both products are textured and colored to blend into your retaining wall.

## Cleaners & Sealers

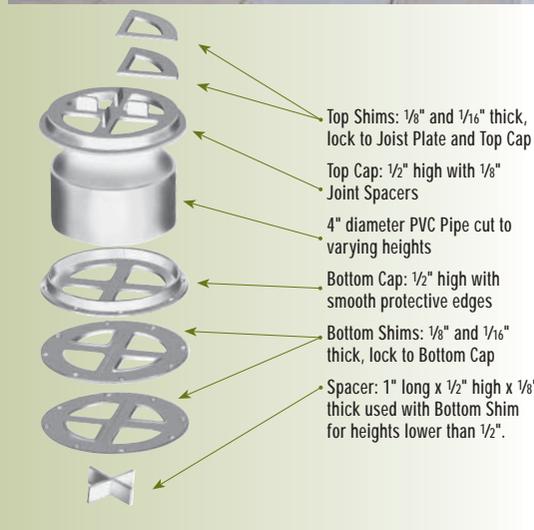
Mutual Materials offers a wide array of cleaners and sealers to help you maintain the beauty of your pavers or retaining wall. We carry only products designed to safely protect and enhance our concrete products.

## Concrete Adhesives

Whether you need an adhesive capable of handling freeze-thaw conditions, working on wet-product or simply adhering cap units, Mutual Materials has the right one for the job.

## AWS™ Pedestal System:

The AWS™ Pedestal System is an interlocking pedestal support used to ensure level walking surfaces on roofs and decks using HydraPressed slabs and other natural products appropriate for elevated foot traffic. Developed by installers, for installers, the AWS System provides a long-lasting, affordable alternative to wood and composite systems for both commercial and residential projects.



## We Have the Answers

### Where can I purchase Mutual Materials® hardscape products?

Mutual Materials® concrete pavers, retaining walls, architectural slabs, natural stone and clay pavers are available through our 17 branch locations. They can also be found at home improvement stores throughout Washington, Oregon, Idaho and British Columbia—see [www.mutualmaterials.com](http://www.mutualmaterials.com) for a dealer in your area.

### Can I install my own project even if I've never done this sort of work before?

Yes. Use the installation instructions at the back of this catalog and the design ideas and tips on our website to help guide your project. However, if your budget allows you may want to consider hiring a contractor. Installing hardscape features is hard work. Keep this in mind, especially if you're planning a large project.

### Does Mutual Materials offer installation services?

Mutual Materials does not install, however we maintain an extensive list of preferred contractors. Please visit our website at [www.mutualmaterials.com](http://www.mutualmaterials.com) or call your nearest branch for more information.

### What type of maintenance do Mutual Materials' products require?

Concrete pavers, architectural slabs, natural stone, and clay pavers require minimal maintenance. Simply pressure wash or use a leaf blower on your project at least once a year. You may need to sweep more sand into the joints after pressure washing.

### How soon after installation can I use my new project?

Immediately, if your concrete pavers, architectural slabs, natural stone, or clay pavers are sand-set. Just be sure to complete each of the installation steps. If your natural stone or clay pavers are mortar-set, you should wait until the mortar is dry—consult your contractor or mortar instructions for drying time.

### Can I use concrete pavers, architectural slabs, natural stone, clay pavers around my swimming pool?

Definitely! Not only do Mutual Materials® concrete pavers, architectural slabs, natural stone, and clay pavers enhance your pool deck, they also offer a slip-resistant surface for walking.

### I want to build a retaining wall 4 feet tall, what factors should I consider?

Whenever building a wall over 4 feet (1.2 meter) tall, you should consult a professional engineer and your city's building department. Mutual Materials® retaining walls have a recommended maximum wall height—be sure to choose a wall system able to go to that height.

### Do I need to seal my pavers, natural stone or architectural slabs?

No. However, sealers offer 3 key benefits:

- 1) Help resist penetrating stains.
- 2) Enhance the color.
- 3) Certain types of sealers can bind the sand particles in the joints, reducing the ability of weeds to grow.

### What is the white film on my concrete product/natural stone, and will it go away?

The white deposit you see is called efflorescence. There is no need to be concerned that your product is damaged or defective, and it has no adverse effect on the physical structure of the product. Efflorescence is normal on concrete pavers (and block), as well as on some natural stone. It may appear on the surface of new and older projects alike, and is a naturally occurring phenomenon. It occurs with leaching of salts that are deposited on the surface when water evaporates. Efflorescence can correct itself over time and exposure to the elements. It can also be cleaned with a number of commercial cleaners. However, we recommend that you discuss cleaning options with your contractor or a Mutual Materials customer service representative before attempting to clean efflorescence.

# PAVER INSTALLATION INSTRUCTIONS

The following are standard installation guidelines for a typical sand-set paver application. Please refer to the individual tech sheets for more specific information and installation instructions. Vehicular applications, such as a driveway or parking lot, require separate guidelines and one should consult a Mutual Materials representative, contractor, or engineer before installing pavers for these purposes. For more information, or help locating a contractor, please contact Mutual Materials directly or visit [www.mutualmaterials.com](http://www.mutualmaterials.com).

## STEP 1: Excavation

Mark area to be paved with stakes and string lines at the desired finished elevation. Locate stakes outside the project area by a minimum of 4". This will allow room for the edge restraint system. Excavate a minimum of 7" below final paver elevation. Allow 1/8" to 1/4" per foot slope for correct water runoff. Slope can be in more than one direction depending on jobsite circumstances. Water will not penetrate joints unless it is allowed to puddle or remain in an area. Remove any loose soils after excavation is complete.



## STEP 2: Base Preparation

Add a dusting of 3/4" minus rock to the excavated area. This will allow the plate compactor to glide across area without sticking to sub grade. Compact the entire sub-grade with a plate compactor. After compacting subgrade, add 1"-2" of 3/4" minus rock, rake smooth and compact. Base rock should have a certain amount of moisture content. Repeat steps until final base elevation is achieved.



For a standard 2 3/8" concrete paver, the final base elevation should be 3" below final paver elevation. Remember, the final product will mirror the base elevation. Any deviation in base should be corrected at this time with base rock (not sand).

## STEP 3: Bedding Sand

Bedding sand should be screeded at a depth between 1" - 1 1/2". Place 1" rigid pipes below elevation lines and measure down 2" to top of pipe. Place pipes parallel to each other and almost as wide as the strike board (2 x 4). Place sand in between pipes and pull strike board across both pipes. This will allow approximately 1" of sand screeded between the two pipes. Pull pipes out of sand; fill pipe voids with sand and trowel smooth. Do not compact sand bed.



## STEP 4: Install Pavers

Depending on the type of paver and pattern, starting points and direction of installation will vary. More times than not, opt for the easiest access with the longest run where no cutting will be made. Also consider more visual areas (i.e. in line with windows, doors,

water features, etc). Pavers should be placed gently onto the sand bed and not pushed into it. Do not hammer set pavers. Setting a string line 3" above setting bed will allow the installer to maintain straight pattern lines. After installing a larger area, place plywood on top of pavers to walk around on. This will distribute weight so individual pavers will not get embedded into sand before adjustments and final compaction is done. Slight adjusting can be accomplished by moving pavers to desired spot by inserting a flat head screwdriver in between pavers and pushing them. Cut pavers can be used to fill any voids in the pattern along the edges. Be sure to mix pavers from multiple pallets to achieve a consistent color blend.



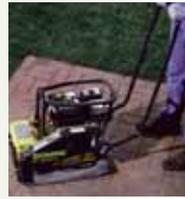
## STEP 5: Edge Restraint

Any edge not retained by a solid, rigid structure (i.e. concrete, asphalt, etc) should be contained with a plastic edge restraint system. These are easier to install after the pavers are laid. With spray nozzle, carefully moisten sand bed around perimeter of paver area. Remove excess sand around the perimeter with a trowel without disturbing the base. Place edge restraint system against paver/bedding sand and on top of compacted base rock. Install 10" spikes every 8"-12". Make sure that all edges are contained before compaction of pavers.



## STEP 6: Compaction

Before compaction, check to make sure all lines and patterns are at desired location. Sweep joint sand over entire area to fill paver joints and lock up pattern lines. Sweep excess joint sand off of paver surface. Place plate compactor on pavers and run compactor around perimeter. Then make back and forth runs, slightly overlapping the previous run. Sweep joint sand into joints again. Compact pavers in perpendicular runs to first compaction. When finished, sweep joint sand into paver joints until they are completely full.



\* Guillotine cutter, masonry saw, and plate compactor can be rented at most rental outlets.

\*\* To achieve a consistent color blend, it is important that you mix pavers from multiple pallets together as you lay your design.

# RETAINING WALL INSTALLATION INSTRUCTIONS

Note: These instructions are intended as a general guide for walls less than 4 feet only. Please consult the technical specification sheet for the wall shape you choose for more specific installation instructions. Technical information for Pisa2®, RomanPisa®, and CornerStone® walls over 4 feet requiring engineering and reinforcement are available from a Mutual Materials Representative.

## STEP 1:

First mark the area of the wall with chalk or spray paint. Dig out a trench that is a minimum of 6" (155 mm) deep plus one inch for every foot of wall height



Allow 6"-8" (150-200 mm) of space behind the wall for 3/4" washed drain rock (this means your trench is a minimum of 12" or 305 mm wide). Roots and big rocks should be removed from the trench. When the trench is dug out, put 3" of 3/8" minus crushed rock in the trench.



Tamp (compact) the base and level it front to back and side to side.



## STEP 2:

Lay the base course of retaining wall blocks. Using a string line at the back of the units for alignment, place units side by side on the gravel, checking for level in both directions.



Tip: Begin laying block at the lowest point of the wall. It is also easier to start at a straight part of the wall. Complete the base course before proceeding to the second course. Be aware that the blocks have a set back so when curves are laid out, space the base course block apart slightly to allow for their set back. If using RomanStack® or StackStone®, there is no set back and blocks will stack vertically.

## STEP 3:

Start placing the second course. Center each unit on the seams of the first course. If using ManorStone®, CottageStone®, or VineyardStone™ the connecting lip should be pointed down to overhang the back edge of the base units. If using RomanStack®, StackStone®, Pisa2®, or RomanPisa®, the bottom groove should be fitted over the tongue on the base units. If using



Celtik Wall®, insert clips as shown on the Celtik Wall® Tech Sheet. This will provide a batter to the wall for better stability. If using CornerStone® the connecting lugs should be pointed down to lock into the cores of the block below them.



To cut blocks for the ends of the wall or in tight curved sections, use a hammer and chisel to score the unit on all sides. Pound the chisel with a three pound sledge on the score line until the unit splits. Always wear eye protection when splitting blocks. If many cuts are needed, a saw rental may be the way to go.

## STEP 4:

After each course is laid, backfill behind wall with washed 3/4" gravel or drain rock. This step is important to help drainage and to prevent soil from leaching through the wall face. For an additional safeguard, landscape fabric can also be used between the backfill and the drain rock. To help drainage behind taller walls, perforated flexible drainpipe can be used (Photo G). Slope gravel behind wall so that the pipe laid behind the wall slopes 1" (25 mm) for every 4' (1.2 m) toward the desired run-off area.



## STEP 5:

If using RomanStack®, StackStone®, Celtik Wall®, Pisa2®, RomanPisa®, or CornerStone®, place the final layer using cap units for a finished look.



An option for finishing the wall is to secure the top course with construction adhesive. Apply a bead of adhesive with a caulking gun. Lay the top course down on the bead and press firmly. Finish back filling behind the wall.



# SLAB INSTALLATION INSTRUCTIONS

The following are standard installation guidelines for Architectural slabs in a sand-set application. Architectural slabs cannot be used in a vehicular application. For pedestal-set guidelines, please refer to the Architectural slab tech sheet or visit us at [www.mutualmaterials.com](http://www.mutualmaterials.com).

## STEP 1:

**Excavation:** Mark area to be paved with stakes and string lines at the desired finished elevation. Locate stakes outside the project area by a minimum of 4". This will allow room for the edge restraint system. Excavate a minimum of 7" below final pavement elevation. Allow 1/8" to 1/4" per foot slope for correct water runoff. Slope can be in more than one direction depending on jobsite circumstances. Water will not penetrate joints unless it is allowed to puddle or remain in an area. Remove any loose soils after excavation is complete.



## STEP 4:

**Install slabs:** Depending on the size of slab and pattern, starting points and direction of installation will vary. More times then not, opt for the easiest access with the longest run where no cutting will be made. Also consider more visual areas (i.e. in line with windows, doors, water features, etc). Slabs should be placed gently onto the sand bed and not pushed into it. Setting a string line 3" above setting bed will allow the installer to maintain straight pattern lines. After installing a larger area, place plywood on top of slabs to walk around on. This

will distribute weight so individual slabs will not get embedded into sand before adjustments and final compaction is done. Slight adjusting can be accomplished by moving slabs to desired spot by inserting a flat head screwdriver in between slabs and pushing them. Cut slabs can be used to fill any voids in the pattern along the edges. Be sure to mix slabs from multiple pallets to achieve a consistent color blend.

## STEP 5:

**Edge Restraint:** Any edge not retained by a solid, rigid structure (i.e. concrete, asphalt, etc) should be contained with a plastic edge restraint system. These are easier to install after the slabs are laid. With spray nozzle, carefully moisten sand bed around perimeter of pavement area. Remove excess sand around the perimeter with a trowel without disturbing the base. Place edge restraint system against slab/bedding sand and on top of compacted base rock. Install 10" spikes every 8"-12". Make sure that all edges are contained before compaction of slabs.

## STEP 6:

**Compaction:** Before compaction, check to make sure all lines and patterns are at desired location. Sweep joint sand over entire area to fill slab joints and lock up pattern lines. Sweep excess joint sand off of slab surface. Place sheets of plywood over the pavement but underneath the plate compactor. Place plate compactor on plywood and run compactor, making sure not to leave compactor in one spot too long as it will crack or chip the slab below. Make back and forth runs, slightly overlapping the previous run. Compact pavers in perpendicular runs to first compaction. When finished, sweep joint sand into slab joints until they are completely full.

## STEP 2:

**Base Preparation:** Add a dusting of 3/4" minus rock to the excavated area. This will allow the plate compactor to glide across area without sticking to sub grade. Compact entire sub-grade with plate compactor.\* After compacting subgrade, add 1"-2" of 3/4" minus rock, rake smooth and compact. Base rock should have a certain amount of moisture content. Repeat steps until final base elevation is achieved. For a standard 1 3/4" architectural slab, the final base elevation should be 2 1/2" below final pavement elevation. Remember, the final product will mirror the base elevation. Any deviation in base should be corrected at this time with base rock (not sand).

## STEP 3:

**Bedding Sand:** Bedding sand should be screeded at a depth between 1"-1 1/2". Place 1" rigid pipes below elevation lines and measure down 1 1/2" to top of pipe. Place pipes parallel to each other and almost as wide as the strike board (2 x 4). Place sand in between pipes and pull strike board across both pipes. This will allow approximately 1" of sand screeded between the two pipes. Pull pipes out of sand; fill pipe voids with sand and trowel smooth. Do not compact sand bed.

\* Plate compactor can be rented at most rental outlets.

\*\* To achieve a consistent color blend, it is important that you mix slabs from

# NATURAL STONE INSTALLATION INSTRUCTIONS

## How to Install Flagstone in Crushed Base Rock

### STEP 1:

Excavate the area to allow for 3/4 minus, 1/4 minus and the thickness of your stone.

### STEP 2:

Lay out edging for the patio or walkway using ledge stone, vinyl edging, concrete or pressure treated lumber.

### STEP 3:

Put approximately 2" to 3" thickness of 3/4 minus base rock. If drainage is a concern, you can use 1 1/2 minus. Compact this base by tamping and watering or using a mechanical compactor then lay out a 1 1/2" thickness of fine 1/4 minus as a bed for your stones.

### STEP 4:

If your stone is of varying thickness, add or remove the 1/4 minus as you go, keeping the stones level with each other and your border.

### STEP 5:

Fill the joints between the stone with 1/4 minus or screened decomposed granite while sweeping and watering as you go. This step will have to be repeated until you are satisfied with the finish or you can use an organic joint sand stabilizer. You may also elect to fill with conditioned topsoil between the stone joints and plant a ground cover if that is the look you desire.

## How to Mortar Set a Pathway or Patio

### STEP 1:

First, you will need to determine the size of your patio, by staking it out with a string line and taking into consideration the type and thickness of your stone.

### STEP 2:

Excavate the area to a depth of 6"-7".

### STEP 3:

Lay a 2" base of 3/4 or 1 1/2 minus base rock and compact it thoroughly.

### STEP 4:

Form, pour and screed a 3" pad of concrete. When the cement is beginning to set, take a coarse broom or steel rake and roughen the surface to aid in the adhesion of the mortar bed and stone

### STEP 5:

Lay a 1" mortar\* bed, screed level. Screed only as much mortar as you can lay stone on before the mortar begins to set. Stones should be free of any dirt or debris. Apply a neet cement\*\* to the back of each stone just before laying. Set your stone, leveling as you go. Tap stones with a rubber mallet to level and provide consistent contact with the mortar bed. Compensate for the variations in the thickness by adding or removing mortar as you go. Try to keep your joint spaces about 3/4" or so and avoid long, continuous joint lines.

### STEP 6:

Grout\*\*\* joints with a float. Clean excess grout from stone with a damp sponge before grout sets.



\* Mortar should be 1 part portland cement and 4 to 5 parts damp sand by volume with just enough water to form a loose ball.

\*\* Neet cement should be portland cement and water in a cake batter consistency

\*\*\* Grout should be 1 part portland cement to 3 parts sand with water to mortar consistency.