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3 Ways to Buy

1 Visit a Mutual Materials branch location. See product samples and displays, place orders and pickup products.

2 Shop online. Some Mutual products are available for online purchase with local delivery and branch pickup options. www.Store.MutualMaterials.com

3 Place orders by phone. Product orders can be placed by phone during business hours including local delivery and branch pickup options. 1-888-MUTUAL0 (688-8250)
CLAY PAVERS

Mica Tile
(To be used in mortar-set applications only.)

Roman Clay Pavers

Patio Pavers

Clay Pavers

Walkway: Roman Clay Pavers in Mauna Loa.
**DOMINION SLATE**

**Square**
- 5 ½” W (140 mm)
- 5 ½” L (140 mm)
- 2 ¾” H (60 mm)

**Rectangle**
- 8 ⅝” L (219 mm)
- 5 ½” W (140 mm)
- 2 ¾” H (60 mm)

**Large Rectangle***
- 11” L (279 mm)
- 5 ½” W (140 mm)
- 2 ¾” H (60 mm)

*Not recommended for vehicular use.

**ROMAN DOMINION**

**Square**
- 5 ½” W (140 mm)
- 5 ½” L (140 mm)
- 2 ¾” H (60 mm)

**Rectangle**
- 8 ⅝” L (219 mm)
- 5 ½” W (140 mm)
- 2 ¾” H (60 mm)

**Large Rectangle***
- 11” L (279 mm)
- 5 ½” W (140 mm)
- 2 ¾” H (60 mm)

*Not recommended for vehicular use.

**ROMAN COBBLESTONE**

**Small**
- 3” W (76 mm)
- 7” L (177.8 mm)

**Medium**
- 5 ⅜” W (150 mm)
- 7” L (177.8 mm)

**Large**
- 8 ⅝” W (220 mm)
- 7” L (177.8 mm)

---

**PATIOS**

**WALKWAYS**

**WALKWAYS**

**HARVEST BLEND**

**NORTHWEST BLEND**

**SUMMIT BLEND**

**CHARCOAL**

---

96  Product Selection Guide
PLANK PAVERS

Plank Paver

ECO-PRIORA®

8 x 8 Unit
(There is a 9% void area per square foot.)

Uni Eco-Stone® Unit
(There is a 12.8% void area per square foot.)

UNI ECOLOC®

Uni EcoLoc Unit
(There is a 12.8% void area per square foot.)

PERMEABLE HOLLAND
HERRINGBONE 8 cm

Permeable Holland Unit

TURFSTONE®

98 Product Selection Guide
VANCOUVER BAY
ARCHITECTURAL SLABS*

12 x 24

18 x 18

24 x 24

* Vancouver Bay Slabs are not suitable for vehicular traffic.
Glacier Slate Slabs are not suitable for vehicular traffic.
SLATON™

SIX FACE OPTIONS

14 3/4" W (375 mm)
18 3/4" L (475 mm)
2 15/16" H (75 mm)

NATURAL STONE FLAGSTONE & PATIO STONES

BIRCH CREEK

1/4" minus
1/4" – 1 1/4"

LONE PINE GOLD

1/4" minus
1/4" – 1 1/4"

CABINET RIDGE

Patio 1" – 2"

CHARCOAL

1/4" minus
1/4" – 1 1/4"

FRONTIER

1 1/2" – 2 1/2"

IRON MOUNTAIN

1" – 2" Flagstone
1" – 2" Stepstone

VARIEGATED

1/4" minus
1/4" – 1 1/4"

NORTHWEST BLEND

www.MutualMaterials.com
**ROMANSTACK®**

- **4 x 8 Cap**
  - 8" L (200 mm)
  - 6" W back face (150 mm)
  - 4" H (100 mm)
  - 8" W front face (200 mm)

- **4 x 8 Unit**
  - 8" L (200 mm)
  - 6" W back face (150 mm)
  - 4" H (100 mm)
  - 8" W front face (200 mm)

- **Jumbo Unit**
  - 8" L (200 mm)
  - 6" W back face (150 mm)
  - 8" H (200 mm)
  - 8" W front face (200 mm)

- **90° Corner Unit**
  - 8" L (200 mm)
  - 7 ¼" W back face (185 mm)
  - 4" H (100 mm)
  - 11 ¼" W front face (285 mm)

- **Coping Unit***
  - 12" L (300 mm)
  - 23 ½" W (600 mm)
  - 3" H (75 mm)

**ROMAN CYPRESS™**

- **Tapered Unit**
  - 6" H (150 mm)
  - 12" L (300 mm)
  - 8" W (200 mm)

- **Corner Unit**
  - 6" H (150 mm)
  - 20" W (500 mm)
  - 8" L (200 mm)

- **Revers-a-Cap*”
  - 8" W back face (175 mm)
  - 14" L (350 mm)
  - 3" H (75 mm)
  - 7" W front face (200 mm)
PRE-PACKAGED KITS

FIRE PIT KITS:

Mutual Stonehenge Fire Pit Kit
Outside Diameter: 58"
Inside Diameter: 43"

Mutual 39" Square Fire Pit Kit
Outside Diameter: 39" x 39"
Inside Diameter: 23" x 23"

Mutual High-Back Round Fire Pit Kit
Outside Diameter: 58"
Inside Diameter: 42"

PRODUCTS FROM OUR PARTNERS

FIRE BOWLS
Artisan Fire Bowls provide an irresistible outdoor retreat of warmth and ambiance. Each bowl has been handcrafted by artisans through an extensive four-step finishing process, guaranteeing a one-of-a-kind creation with subtle variations in color and texture similar to natural limestone.

MARBELLA 38.25" Dia x 20.375" H
INFINITE 36.25" Dia x 18.5" H

OYSTER SHELL TRAVERTINE
AGED TEAK HONED
OUTDOOR KITCHEN CABINET SYSTEMS

Apply the brick or stone veneer of your choice.

A great outdoor kitchen requires a strong foundation. The LOC fiberglass concrete outdoor cabinet systems allow you to purchase various pre-fabricated building blocks for your outdoor space. With the option of pre-cut appliance openings, installation is fast, easy and allows you to install the facing and counter-tops of your choice.

**CUT APPLIANCE OPENINGS**

- Install material directly to the pre-scratched cabinets
- Follow the recommended installation guidelines
FACE BRICK COLOR SELECTIONS*

Grays

Redondo Gray - Mission

Redondo Gray - Smooth

Reds & Browns

Autumn Blend - Smooth

Inca - Mission

Inca - Smooth

Forest Blend - Mission

Mountain Blend - Mission

Mountain Blend - Smooth

Traditional Reds & Browns

Cedar Creek

Homestead Used

Old University

Pacific Handmold

Vancouver Used

Plant key: ● = Columbia ■ = Mica
FACE BRICK COLOR SELECTIONS*

Traditional Pastels

- Canyon Mist ■
- Harbor Mist ■
- Ashland ●
- Cascade Spice ●
- Chateau Gray ■

Traditional Iron Wash

- Clinker ●
- Coal Creek ●
- Covington ●
- Sheffield ●
- Windsor ●

Traditional Tumbled Used

- Classic Used ■
- Mutual Used ●
- Westport Used ■

Plant key: ● = Columbia ■ = Mica
Plant key: ● = Columbia ■ = Mica
SLIMBRICK® GLAZED COLOR SELECTIONS

SLIMBRICK® Glazed Gloss

Plant key: ● = Columbia   ■ = Mica

SLIMBRICK® Glazed Matte

Shop for Mutual Materials products online at store.mutualmaterials.com!
CULTURED STONE

Cobblefield®

Cobblefield®—Gray
Cobblefield—San Francisco
Country Ledgestone—Ashfall
Country Ledgestone—Aspen

Country Ledgestone

Country Ledgestone—Black Rundle
Country Ledgestone—Bucks County
Country Ledgestone—Chardonnay
Country Ledgestone—Eucalyptus

Country Ledgestone—Echo Ridge™
Country Ledgestone—Hudson Bay
Country Ledgestone—Skyline
Country Ledgestone—Wolf Creek

Fieldstone

Dressed Fieldstone—Aspen
Dressed Fieldstone—Bucks County
Dressed Fieldstone—Chardonnay
Dressed Fieldstone—Echo Ridge

Southern Ledgestone

SouthernLedgestone—Aspen
SouthernLedgestone—Bucks County
SouthernLedgestone—Chardonnay
SouthernLedgestone—Echo Ridge
European Castle Stone

Del Mare Ledgestone

Hewn Stone™

River Rock & Stream Stone

ProStone®

Limestone

Easy Fit Savannah Ledgestone—Vintage Wine

Ledgestone—Charcoal Mist

Ledgestone—Vintage Wine
Pro-Fit® Alpine Ledgestone

- ProFit® Alpine Ledgestone—Black Mountain
- ProFit® Alpine Ledgestone—Chardonnay
- ProFit® Alpine Ledgestone—Echo Ridge
- ProFit® Alpine Ledgestone—Pheasant

Pro-Fit® Terrain Ledgestone

- ProFit® Terrain Ledgestone—Arcadia
- ProFit® Terrain Ledgestone—Arctic
- ProFit® Terrain Ledgestone—Ethos Ridge
- ProFit® Terrain Ledgestone—Trek

Pro-Fit® Ledgestone

- ProFit® Ledgestone—Gray
- ProFit® Ledgestone—Shale
- ProFit® Ledgestone—Southwest Blend

Pro-Fit® Modera

- ProFit® Modera—Carbon
- ProFit® Modera—Vellum
NATURAL STONE*

Full Stone Random Veneer  Full Stone Squares & Recs  Ledgestone

| Rocky Mountain Split Random | Camas Squares & Recs | Cabinet Gorge | Sage Hill |

River Rock  Flagstones, Stepstones & Patio Stones

| Oregon River Rock | Birch Creek | Blue Stone Tumbled | Blue Stone Treads |

Flagstones, Stepstones & Patio Stones

<table>
<thead>
<tr>
<th>Blue Stone Variegated Pre-Cut</th>
<th>Cabinet Ridge</th>
<th>Charcoal</th>
<th>Frontier</th>
</tr>
</thead>
<tbody>
<tr>
<td>3⁄4&quot; minus, 3⁄4&quot;–1 1⁄4&quot;</td>
<td>Patio: 1&quot;–2&quot;</td>
<td>¼&quot; minus, ¼&quot;–1 ¼&quot;</td>
<td>1 1⁄2&quot; – 2 1⁄2&quot;</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Iron Mountain</th>
<th>Lone Pine Gold</th>
<th>Mica Slate Charcoal</th>
<th>Mica Slate Birch Creek</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot;–2&quot; Flagstone, 1&quot;–2&quot; Stepstone</td>
<td>¼&quot; minus, ¼&quot;–1 ¼&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Variegated

<table>
<thead>
<tr>
<th>Variegated</th>
</tr>
</thead>
<tbody>
<tr>
<td>¼&quot; minus, ¼&quot;–1 ¼&quot;</td>
</tr>
</tbody>
</table>

* Not all stone are stocked at all locations. Stock is based on local preferences. Mutual Materials offers a wide variety of natural stone. These images are representative of offerings, but may not be complete. If you are seeking natural stone, give us a call or stop in to a branch so that we can help you find the ideal stone for your project.
Not all stone are stocked at all locations. Stock is based on local preferences. Mutual Materials offers a wide variety of natural stone. These images are representative of offerings, but may not be complete. If you are seeking natural stone, give us a call or stop in to a branch so that we can help you find the ideal stone for your project.

** Oregon only.
**PRODUCT DATA: PAVERS**

### Clay Pavers*

<table>
<thead>
<tr>
<th></th>
<th>Coverage</th>
<th>Units / Pallet</th>
<th>Coverage / Pallet</th>
<th>Weight / Piece</th>
<th>Weight / Pallet</th>
<th>Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>1” Mica-Tile</td>
<td>4.5 ft²</td>
<td>1,296</td>
<td>288 ft² (26.86 m²)</td>
<td>2 lb (0.9 kg)</td>
<td>2,642 lb (1,198.39 kg)</td>
<td>*</td>
</tr>
<tr>
<td>1 ½” Paver</td>
<td>4.5 ft²</td>
<td>750</td>
<td>166.7 ft² (15.48 m²)</td>
<td>3.6 lb (1.63 kg)</td>
<td>2,750 lb (1,247.38 kg)</td>
<td>**</td>
</tr>
<tr>
<td>2 ¼” Paver</td>
<td>4.5 ft²</td>
<td>576</td>
<td>128 ft² (11.89 m²)</td>
<td>5.5 lb (2.49 kg)</td>
<td>3,218 lb (1,459.66 kg)</td>
<td>***</td>
</tr>
<tr>
<td>2 ¾” Paver</td>
<td>4.5 ft²</td>
<td>576</td>
<td>128 ft² (11.89 m²)</td>
<td>6 lb (2.72 kg)</td>
<td>3,506 lb (1,590.29 kg)</td>
<td>***</td>
</tr>
</tbody>
</table>

*All Weight per Pallet noted above include a 50 lb pallet weight.

* Designed for mortar-set, pedestrian applications only.

** Designed for mortar-set or sand-set, pedestrian applications only.

*** Designed to be sand-set. May be used for pedestrian and light vehicular applications.

### Dominion Slate and Roman Dominion

<table>
<thead>
<tr>
<th></th>
<th>Coverage</th>
<th>Units / Pallet</th>
<th>Coverage / Pallet</th>
<th>Weight / Layer</th>
<th>Weight / Pallet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Square</td>
<td>4.73 pcs / ft² (51.5 pcs / m²)</td>
<td>432</td>
<td>91.26 ft² (8.48 m²)</td>
<td>5.8 lbs (2.6 kg)</td>
<td>2,560 lbs (1,161.2 kg)</td>
</tr>
<tr>
<td>Rectangle</td>
<td>3.16 pcs / ft² (34.4 pcs / m²)</td>
<td>324</td>
<td>102.6 ft² (9.53 m²)</td>
<td>8.7 lbs (3.9 kg)</td>
<td>2,870 lbs (1,302 kg)</td>
</tr>
<tr>
<td>Large Rectangle</td>
<td>1.59 pcs / ft² (17.1 pcs / m²)</td>
<td>144</td>
<td>90.8 ft² (8.43 m²)</td>
<td>17.6 lbs (8 kg)</td>
<td>2,582 lbs (1,171.2 kg)</td>
</tr>
</tbody>
</table>

All Weight per Pallet noted above include a 50 lb pallet weight. Paleo must be purchased by the full layer—sizes are mixed on each layer.

* All metric dimensions are soft converted to Imperial. Dimensions and coverage include 1.5 mm (⅛") joint.

### Roman Cobblestone

<table>
<thead>
<tr>
<th></th>
<th>Coverage</th>
<th>Units / Pallet</th>
<th>Coverage / Pallet</th>
<th>Weight / Unit</th>
<th>Weight / Pallet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small</td>
<td>7.17 pcs / ft² (77.17 m²)</td>
<td>693</td>
<td>96.6 ft² (8.98 m²)</td>
<td>4.3 lb (2 kg)</td>
<td>2,960 lbs (1,342 kg)</td>
</tr>
<tr>
<td>Medium</td>
<td>3.53 pcs / ft² (37.95 m²)</td>
<td>378</td>
<td>107.2 ft² (9.96 m²)</td>
<td>8.5 lb (3.8 kg)</td>
<td>3,225 lbs (1,372 kg)</td>
</tr>
<tr>
<td>Large</td>
<td>2.29 pcs / ft² (24.45 m²)</td>
<td>225</td>
<td>97.1 ft² (9 m²)</td>
<td>13 lb (5.7 kg)</td>
<td>2,840 lbs (1,288 kg)</td>
</tr>
</tbody>
</table>

All Weight per Pallet noted above include a 50 lb pallet weight. Paleo must be purchased by the full layer—sizes are mixed on each layer.

* All metric dimensions are soft converted to Imperial. Dimensions and coverage include 1.5 mm (⅛") joint.

### Old Dominion Squares & Recs

<table>
<thead>
<tr>
<th></th>
<th>Coverage Layer</th>
<th>Layers / Pallet</th>
<th>Coverage / Pallet</th>
<th>Weight / Layer</th>
<th>Weight / Pallet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Squares &amp; Recs</td>
<td>11.43 ft² (1.06 m²)</td>
<td>9</td>
<td>102.74 ft² (9.54 m²)</td>
<td>320 lbs (145 kg)</td>
<td>2,930 lbs (1,329 kg)</td>
</tr>
</tbody>
</table>

All Weight per Pallet noted above include a 50 lb pallet weight. Paleo must be purchased by the full layer—sizes are mixed on each layer.

* All metric dimensions are soft converted to Imperial. Dimensions and coverage include 1.5 mm (⅛") joint.

### Squares & Rectangles Purchase Requirement

All three (3) shapes are mixed on each layer and must be purchased by the full layer or full pallet.

### Squares & Rectangles Pallet Layout

Old Dominion Squares & Rectangles can be installed in a number of random or linear patterns. Experiment until you achieve the look that you desire. The diagram below shows the layout of each layer on the pallet.

---

*Clay Pavers* "Squares & Rectangles Purchase Requirement" and "Squares & Rectangles Pallet Layout" sections are extracted from the provided text.
## Product Data: Pavers

### Old Dominion Circle Kits

<table>
<thead>
<tr>
<th>Depth</th>
<th>Radius</th>
<th>Diameter</th>
<th>Circumference**</th>
<th>Area Of Circle</th>
<th>Pallet Wt</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Pallet</td>
<td>2 ¾” (6 cm)</td>
<td>41 ¼” (106 cm)</td>
<td>83 ½” (212 cm)</td>
<td>262 ¾” (615.8 cm)</td>
<td>39.27 ft² (3.65 m²)</td>
</tr>
<tr>
<td>2 Pallets</td>
<td>2 ⅝” (6 cm)</td>
<td>58 ¾” (148.4 cm)</td>
<td>116 ⅝” (296.8 cm)</td>
<td>367 ⅝” (932.7 cm)</td>
<td>78.54 ft² (7.29 m²)</td>
</tr>
</tbody>
</table>

* All metric dimensions are soft converted to Imperial. Dimensions and coverage include 1/8” (3 mm) joint. Dimensions refer to completed circle.

** 262 ¾” = 21.86 ft, 367 ⅝” = 30.6 ft

### Holland

<table>
<thead>
<tr>
<th>Pieces / ft² (m²)</th>
<th>Pieces / Pallet</th>
<th>Coverage / Pallet</th>
<th>Weight / Piece</th>
<th>Weight / Pallet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Holland</td>
<td>4.63 pcs / ft² (50.04 pcs / m²)</td>
<td>486</td>
<td>104.88 ft² (9.74 m²)</td>
<td>6 lb (2.7 kg)</td>
</tr>
<tr>
<td>Double Holland</td>
<td>2.31 pcs / ft² (24.86 pcs / m²)</td>
<td>216</td>
<td>93.46 ft² (8.68 m²)</td>
<td>12 lb (5.4 kg)</td>
</tr>
<tr>
<td>Triple Holland</td>
<td>1.57 pcs / ft² (16.95 pcs / m²)</td>
<td>144</td>
<td>92 ft² (8.55 m²)</td>
<td>18 lb (8.16 kg)</td>
</tr>
</tbody>
</table>

All Weight per Pallet noted above includes a 50 lb pallet weight.

* All metric dimensions are soft converted to Imperial. Dimensions and coverage include 1.5 mm (1/16”) joint.

### Plank Pavers

<table>
<thead>
<tr>
<th>Pieces / Pallet</th>
<th>Coverage / Piece</th>
<th>Coverage / Pallet</th>
<th>Weight / Piece</th>
<th>Weight / Pallet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plank Paver Unit</td>
<td>396</td>
<td>4 pcs / ft² (43 pcs / m²)</td>
<td>99 ft² (9.2 m²)</td>
<td>7 lb (3.2 kg)</td>
</tr>
</tbody>
</table>

All Weight per Pallet noted above include a 50 lb pallet weight.

### Eco-Priora®

<table>
<thead>
<tr>
<th>Pieces / Pallet</th>
<th>Net Void / Ft²</th>
<th>Coverage / Piece</th>
<th>Coverage / Pallet</th>
<th>Weight / Unit</th>
<th>Weight / Pallet</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 x 8 Unit</td>
<td>432</td>
<td>13%</td>
<td>4.5 pcs / ft²</td>
<td>93.2 ft² (8.65 m²)</td>
<td>8 lbs (3.6 kg)</td>
</tr>
<tr>
<td>8 x 8 Unit</td>
<td>192</td>
<td>9%</td>
<td>2.25 / ft²</td>
<td>83.04 ft² (7.71 m²)</td>
<td>16 lbs (7.2 kg)</td>
</tr>
</tbody>
</table>

All Weight per Pallet noted above include a 50 lb pallet weight.

* All metric dimensions are soft converted to Imperial.

### Uni-Ecoloc®

<table>
<thead>
<tr>
<th>Coverage / Layer</th>
<th>Net Void / Ft²</th>
<th>Layers / Pallet**</th>
<th>Coverage / Pallet</th>
<th>Weight / Layer</th>
<th>Weight / Pallet</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.35 ft² (1.055 m²)</td>
<td>12.8%</td>
<td>8</td>
<td>90.8 ft² (8.44 m²)</td>
<td>315 lbs (143 kg)</td>
<td>2,570 lbs (1,166 kg)</td>
</tr>
</tbody>
</table>

** Uni Ecoloc must be purchased by the full layer or full pallet.

### Uni-EcoStone®

<table>
<thead>
<tr>
<th>Coverage</th>
<th>Net Void</th>
<th>Pieces / ft²</th>
<th>Pieces / Pallet</th>
<th>Coverage / Pallet</th>
<th>Weight / Piece</th>
<th>Weight / Pallet</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.52 pcs / ft² (37.9 pcs / m²)</td>
<td>12.18%</td>
<td>3.55</td>
<td>320</td>
<td>90.8 ft² (8.44 m²)</td>
<td>10 lb (4.5 kg)</td>
<td>3,250 lb (1,474.1 kg)</td>
</tr>
</tbody>
</table>

All Weight per Pallet noted above include a 50 lb pallet weight.

* All metric dimensions are soft converted to Imperial. Dimensions and coverage include 1.5 mm (1/16”) joint.
### Product Data: Pavers & Slabs

#### TurfStone

<table>
<thead>
<tr>
<th>Coverage</th>
<th>Pieces / Pallet</th>
<th>Coverage / Pallet</th>
<th>Weight / Piece</th>
<th>Weight / Pallet</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.6 ft² / pc (0.24 pcs / m²)</td>
<td>35</td>
<td>91 ft² (8.45 m²)</td>
<td>65 lb (30 kg)</td>
<td>2,325 lbs (1,055 kg)</td>
</tr>
</tbody>
</table>

All **Weight per Pallet** noted above include a 50 lb pallet weight.

* All metric dimensions are soft converted to Imperial. Dimensions and coverage include 1⁄16” (1.5 mm) joint.

#### Permeable Holland Herringbone 8 cm

<table>
<thead>
<tr>
<th>Pieces / ft²</th>
<th>Net Void</th>
<th>Pieces / Pallet</th>
<th>Coverage / Pallet</th>
<th>Weight / Piece</th>
<th>Weight / Pallet</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.75</td>
<td>8.4%</td>
<td>432</td>
<td>91.12 ft² (8.46 m²)</td>
<td>8 lbs (3.6 kg)</td>
<td>3,456 lbs (1,567 kg)</td>
</tr>
</tbody>
</table>

All **Weight per Pallet** noted above include a 50 lb pallet weight.

* All metric dimensions are soft converted to Imperial.

#### Columbia Slate

<table>
<thead>
<tr>
<th>Unit</th>
<th>Units / Pallet</th>
<th>Coverage</th>
<th>Coverage / Pallet</th>
<th>Weight / Piece</th>
<th>Weight / Pallet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rectangle</td>
<td>168</td>
<td>1.125 pcs/ft² (12.5 pcs/m²)</td>
<td>149.33 ft² (18.15 m²)</td>
<td>18 lb (8.2 kg)</td>
<td>3,074 lb (1,394.3 kg)</td>
</tr>
<tr>
<td>Square</td>
<td>84</td>
<td>.58 pcs/ft² (6.25 pcs/m²)</td>
<td>144.83 ft² (13.44 m²)</td>
<td>36 lb (16.4 kg)</td>
<td>3,074 lb (1,394.3 kg)</td>
</tr>
<tr>
<td>Large Rectangle</td>
<td>56</td>
<td>.39 pcs/ft² (4.17 pcs/m²)</td>
<td>143.6 ft² (13.34 m²)</td>
<td>60 lb (27.2 kg)</td>
<td>3,410 lb (1,546.75 kg)</td>
</tr>
</tbody>
</table>

All **Weight per Pallet** noted above include a 50 lb pallet weight.

* All metric dimensions are soft converted to Imperial. Dimensions and coverage include 1⁄16” (1.5 mm) joint.

#### Architectural Slabs

<table>
<thead>
<tr>
<th>Product</th>
<th>Actual Size</th>
<th>Coverage / Unit</th>
<th>Coverage / Pallet</th>
<th>Pieces/Pallet</th>
<th>Weight / Unit</th>
<th>Weight / Pallet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vancouver Bay 24 x 24</td>
<td>23 5⁄8” x 23 5⁄8” x 1 ⅜” (608 mm x 608 mm x 45 mm)</td>
<td>4.0 ft² (0.37 m²)</td>
<td>112 ft² (10.4 m²)</td>
<td>24</td>
<td>90 lb (40.8 kg)</td>
<td>2200 (998 kg)</td>
</tr>
<tr>
<td>Vancouver Bay 12 x 24</td>
<td>11 5⁄8” x 23 5⁄8” x 1 ¾” (304 mm x 608 mm x 45 mm)</td>
<td>2.0 ft² (0.185 m²)</td>
<td>112 ft² (10.4 m²)</td>
<td>56</td>
<td>45 lb (20.4 kg)</td>
<td>2500 (1,143 kg)</td>
</tr>
<tr>
<td>Vancouver Bay 18 x 18</td>
<td>17 5⁄8” x 17 5⁄8” x 1 ¾” (454 mm x 454 mm x 45 mm)</td>
<td>2.25 ft² (0.21 m²)</td>
<td>126 ft² (11.7 m²)</td>
<td>56</td>
<td>45 lb (20.4 kg)</td>
<td>2500 (1,143 kg)</td>
</tr>
<tr>
<td>Glacier Slate 24 x 24</td>
<td>23 5⁄8” x 23 5⁄8” x 1 ¾” (608 mm x 608 mm x 45 mm)</td>
<td>4.0 ft² (0.37 m²)</td>
<td>112 ft² (10.4 m²)</td>
<td>24</td>
<td>90 lb (40.8 kg)</td>
<td>2200 (998 kg)</td>
</tr>
</tbody>
</table>

#### Porcelain Pavers

<table>
<thead>
<tr>
<th>Description</th>
<th>Dimensions</th>
<th>Weight Lbs</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bluestone Select</td>
<td>23 5⁄8” x 23 5⁄8” (60 cm x 60 cm)</td>
<td>36.4 lbs each</td>
<td>2 pieces</td>
</tr>
<tr>
<td>Brave Pearl Limestone</td>
<td>9.4 lbs per SF</td>
<td>60 pieces</td>
<td></td>
</tr>
<tr>
<td>Pepper Seastone Grey Trust Gold Trust Silver Vintage</td>
<td>36.4 lbs each</td>
<td>2 pieces</td>
<td></td>
</tr>
<tr>
<td>Slaton™</td>
<td>23 5⁄8” x 23 5⁄8” (60 cm x 60 cm)</td>
<td>36.4 lbs each</td>
<td>2 pieces</td>
</tr>
</tbody>
</table>

* All metric dimensions are soft converted to Imperial. Dimensions and coverage include 1⁄4” (12.7 mm) joint.

#### Slaton™

<table>
<thead>
<tr>
<th>Coverage</th>
<th>Units / Pallet</th>
<th>Weight / Piece</th>
<th>Coverage / Pallet</th>
<th>Weight / Pallet</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.39 ft² / pcs (0.42 m² / pcs)</td>
<td>48</td>
<td>43 lb (19.5 kg)</td>
<td>66.7 ft² (6.2 m²)</td>
<td>2,114 lb (956 kg)</td>
</tr>
</tbody>
</table>

* All metric dimensions are soft converted to Imperial. Dimensions and coverage include 1⁄4” (12.7 mm) joint.
### CornerStone 50

<table>
<thead>
<tr>
<th>Coverage Type</th>
<th>Coverage</th>
<th>Units / Pallet</th>
<th>Coverage / Pallet</th>
<th>Weight / Piece</th>
<th>Weight / Pallet</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>R-50 Cap Tapered</strong></td>
<td>1.5 ln ft / pc (0.457 ln m / pc)</td>
<td>48</td>
<td>72 ln ft (21.95 ln m)</td>
<td>60 lb (27 kg)</td>
<td>2,930 lb (1,329 kg)</td>
</tr>
<tr>
<td><strong>R-50 Cap Straight-Sides</strong></td>
<td>1.5 ln ft / pc (0.457 ln m / pc)</td>
<td>48</td>
<td>72 ln ft (21.95 ln m)</td>
<td>60 lb (27 kg)</td>
<td>2,930 lb (1,329 kg)</td>
</tr>
<tr>
<td><strong>F-50 Cap Tapered</strong></td>
<td>1.5 ln ft / pc (0.457 ln m / pc)</td>
<td>48</td>
<td>72 ln ft (21.95 ln m)</td>
<td>60 lb (27 kg)</td>
<td>2,930 lb (1,329 kg)</td>
</tr>
<tr>
<td><strong>F-50 Cap Straight-Sides</strong></td>
<td>1.5 ln ft / pc (0.457 ln m / pc)</td>
<td>48</td>
<td>72 ln ft (21.95 ln m)</td>
<td>60 lb (27 kg)</td>
<td>2,930 lb (1,329 kg)</td>
</tr>
</tbody>
</table>

All Weight per Pallet noted above include a 50 lb pallet weight.

* R-50 Cap and F-50 Cap are available with straight sides.

Maximum gravity wall height: 3’.

**Note: Each course batters back 5/8” from the previous course.**

### CornerStone 100

<table>
<thead>
<tr>
<th>Coverage Type</th>
<th>Coverage</th>
<th>Units / Pallet</th>
<th>Coverage / Pallet</th>
<th>Weight / Piece</th>
<th>Weight / Pallet</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>R-100 Unit</strong></td>
<td>1 pc / ft² (10.76 pc / m²)</td>
<td>40</td>
<td>40 ft² (3.72 m²)</td>
<td>76 lb (34.5 kg)</td>
<td>3,090 lb (1,402 kg)</td>
</tr>
<tr>
<td><strong>R-100 Cap</strong></td>
<td>1.5 ln ft / pc (0.457 ln m / pc)</td>
<td>32</td>
<td>48 ln ft (14.63 ln m)</td>
<td>110 lb (50 kg)</td>
<td>3,570 lb (1,690.3 kg)</td>
</tr>
<tr>
<td><strong>R-100 Cap Straight-Sides</strong></td>
<td>1.5 ln ft / pc (0.457 ln m / pc)</td>
<td>24</td>
<td>48 ln ft (14.63 ln m)</td>
<td>110 lb (50 kg)</td>
<td>3,570 lb (1,690.3 kg)</td>
</tr>
<tr>
<td><strong>F-100 Unit</strong></td>
<td>1 pc / ft² (10.76 pc / m²)</td>
<td>40</td>
<td>40 ft² (3.72 m²)</td>
<td>83 lb (38 kg)</td>
<td>3,570 lb (1,690.3 kg)</td>
</tr>
<tr>
<td><strong>F-100 Cap</strong></td>
<td>1.5 ln ft / pc (0.457 ln m / pc)</td>
<td>32</td>
<td>48 ln ft (14.63 ln m)</td>
<td>110 lb (50 kg)</td>
<td>3,570 lb (1,690.3 kg)</td>
</tr>
<tr>
<td><strong>F-100 Cap Straight-Sides</strong></td>
<td>1.5 ln ft / pc (0.457 ln m / pc)</td>
<td>24</td>
<td>48 ln ft (14.63 ln m)</td>
<td>110 lb (50 kg)</td>
<td>3,570 lb (1,690.3 kg)</td>
</tr>
<tr>
<td><strong>F-100 Corner</strong></td>
<td>1.5 ft² / pc (.093 m² / pc)</td>
<td>40</td>
<td>60 ft² (3.72 m²)</td>
<td>85 lb (38.5 kg)</td>
<td>3,450 lb (1,565 kg)</td>
</tr>
</tbody>
</table>

All Weight per Pallet noted above include a 50 lb pallet weight.


* Also available with straight-sides.

**Note: Each course batters back 5/8” from the previous course.**

### CornerStone 200

<table>
<thead>
<tr>
<th>Coverage Type</th>
<th>Coverage</th>
<th>Units / Pallet</th>
<th>Coverage / Pallet</th>
<th>Weight / Piece</th>
<th>Weight / Pallet</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>R-200 Unit</strong></td>
<td>1 pc / ft² (10.76 pc / m²)</td>
<td>25</td>
<td>25 ft² (2.325 m²)</td>
<td>130 lb (59 kg)</td>
<td>3,330 lb (1,510 kg)</td>
</tr>
<tr>
<td><strong>F-200 Unit</strong></td>
<td>1 pc / ft² (10.76 pc / m²)</td>
<td>25</td>
<td>25 ft² (2.325 m²)</td>
<td>130 lb (59 kg)</td>
<td>3,330 lb (1,510 kg)</td>
</tr>
</tbody>
</table>

* All metric dimensions are soft converted to Imperial. Dimensions and coverage include 1⁄8” (3 mm) joint. Dimensions refer to completed circle.

** 262 3⁄8” = 21.86 ft, 367 3⁄16” = 30.6 ft

### ManorStone®

<table>
<thead>
<tr>
<th>Coverage Type</th>
<th>Coverage</th>
<th>Units / Pallet</th>
<th>Coverage / Pallet</th>
<th>Weight / Piece</th>
<th>Weight / Pallet</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Radius Face Tapered-Sides</strong></td>
<td>1.5 pcs / ft² (16.2 pcs / m²)</td>
<td>45</td>
<td>30 ft² (2.79 m²)</td>
<td>62 lb (28 kg)</td>
<td>2,840 lbs (1,289 kg)</td>
</tr>
<tr>
<td><strong>Radius Face Straight-Sides</strong></td>
<td>1.5 pcs / ft² (16.2 pcs / m²)</td>
<td>45</td>
<td>30 ft² (2.79 m²)</td>
<td>75 lb (34 kg)</td>
<td>3,425 lbs (1,554 kg)</td>
</tr>
<tr>
<td><strong>Flat Face Tapered-Sides</strong></td>
<td>1.5 pcs / ft² (16.2 pcs / m²)</td>
<td>45</td>
<td>30 ft² (2.79 m²)</td>
<td>64 lb (29 kg)</td>
<td>2,930 lbs (1,329 kg)</td>
</tr>
<tr>
<td><strong>Flat Face Straight-Sides</strong></td>
<td>1.5 pcs / ft² (16.2 pcs / m²)</td>
<td>45</td>
<td>30 ft² (2.79 m²)</td>
<td>79 lb (36 kg)</td>
<td>3,605 lbs (1,636 kg)</td>
</tr>
<tr>
<td><strong>Corner Unit</strong></td>
<td>1 pc / ft²</td>
<td>60</td>
<td>60 ft² (3.72 m²)</td>
<td>56 lb (25.5 kg)</td>
<td>3,410 lbs (1,547 kg)</td>
</tr>
<tr>
<td><strong>Cap Unit</strong></td>
<td>0.8 pcs/Ln ft</td>
<td>72</td>
<td>90 Ln ft</td>
<td>45 lb (20.4 kg)</td>
<td>3,290 lbs (1,493 kg)</td>
</tr>
</tbody>
</table>

All Weight per Pallet noted above include a 50 lb pallet weight. Maximum wall height: 3’. Minimum radius: 2’ 8”.

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### CypressStone

<table>
<thead>
<tr>
<th>Coverage</th>
<th>Units / Pallet</th>
<th>Coverage / Pallet</th>
<th>Weight / Piece</th>
<th>Weight / Pallet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard/Tapered Unit</td>
<td>3 pcs / ft² (32.3 pcs / m²)</td>
<td>72</td>
<td>24 ft² (1.85 m²)</td>
<td>45 lb (43 lb)</td>
</tr>
<tr>
<td>Corner Unit</td>
<td>1.2 ft² / pc (0.077 m² / pc)</td>
<td>30</td>
<td>36 ft² (2.32 m²)</td>
<td>77 lb (35 kg)</td>
</tr>
<tr>
<td>Revers-a-Cap*</td>
<td>1.5 pcs / ln ft (4.92 pcs / ln m)</td>
<td>96</td>
<td>64 ln ft (22.9 ln m)</td>
<td>22 lb (10 kg)</td>
</tr>
<tr>
<td>12&quot; Coping Unit</td>
<td>2 ln ft / pc (0.6 ln m / pc)</td>
<td>36</td>
<td>72 ln ft (19.5 ln m)</td>
<td>62 lb (30.8 kg)</td>
</tr>
</tbody>
</table>

All Weight per Pallet noted above include a 50 lb pallet weight.


* Coverage is for 8” faces only. If alternating 7” and 8” faces, there are 1.6 pcs / ln ft (5.25 pcs / ln m).

**Coverage per pallet is 60 ln ft (18.29 ln m). There are 24 end caps on each pallet. Purchase Requirement

### Roman Cypress

<table>
<thead>
<tr>
<th>Coverage</th>
<th>Units / Pallet</th>
<th>Coverage / Pallet</th>
<th>Weight / Piece</th>
<th>Weight / Pallet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard/Tapered Unit</td>
<td>3 pcs / ft² (32.3 pcs / m²)</td>
<td>72</td>
<td>24 ft² (2.23 m²)</td>
<td>45 lb / 20 lb</td>
</tr>
<tr>
<td>Corner Unit</td>
<td>1.2 ft² / pc (0.111 m² / pc)</td>
<td>30</td>
<td>36 ft² (3.34 m²)</td>
<td>77 lb (35 kg)</td>
</tr>
<tr>
<td>Revers-a-Cap*</td>
<td>1.5 pcs / ln ft (4.92 pcs / ln m)</td>
<td>96</td>
<td>64 ln ft (19.5 ln m)</td>
<td>22 lb (10 kg)</td>
</tr>
<tr>
<td>12&quot; Coping Unit</td>
<td>2 ln ft / pc (0.6 ln m / pc)</td>
<td>36</td>
<td>72 ln ft (21.9 ln m)</td>
<td>62 lb (28 kg)</td>
</tr>
</tbody>
</table>

All Weight per Pallet noted above include a 50 lb pallet weight.


* Coverage is for 8” faces only. If alternating 7” and 8” faces, there are 1.6 pcs / ln ft (5.25 pcs / ln m).

**Coverage per pallet is 60 ln ft (18.29 ln m). There are 24 end caps on each pallet.

### RomanStack®

<table>
<thead>
<tr>
<th>Coverage*</th>
<th>Units / Pallet</th>
<th>Coverage* / Pallet</th>
<th>Weight / Piece*</th>
<th>Weight / Pallet</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 x 8 Wall Unit</td>
<td>4.5 pcs / ft² (48.44 pcs / m²)</td>
<td>168</td>
<td>37.33 ft² (3.47 m²)</td>
<td>18 lb (8.6 kg)</td>
</tr>
<tr>
<td>4 x 8 Cap Unit</td>
<td>1.6 pcs / ln ft (4.92 pcs / ln m)</td>
<td>168</td>
<td>122 ln ft (34.14 ln m)</td>
<td>18 lb (8.6 kg)</td>
</tr>
<tr>
<td>4 x 12 Unit</td>
<td>3 pc / ft² (32.32 pcs / m²)</td>
<td>126</td>
<td>42 ft² (3.9 m²)</td>
<td>26 lb / pc (11.8 kg / pc)</td>
</tr>
<tr>
<td>4 x 12 Cap Unit</td>
<td>1.1 pc / ln ft (32.28 pcs / ln m)</td>
<td>126</td>
<td>126 ln ft (38.4 ln m)</td>
<td>26 lb / pc (11.8 kg / pc)</td>
</tr>
<tr>
<td>8 x 8 Jumbo Unit</td>
<td>2.25 pc / ft² (24.22 pcs / m²)</td>
<td>96</td>
<td>42.67 ft² (3.96 m²)</td>
<td>32 lb / pc (14.5 kg / pc)</td>
</tr>
</tbody>
</table>

**Coverage* / Pallet**

<table>
<thead>
<tr>
<th>Coverage* / Pallet</th>
<th>Units / Pallet</th>
<th>Weight / Piece*</th>
<th>Weight / Pallet</th>
</tr>
</thead>
<tbody>
<tr>
<td>90° Corner Unit</td>
<td>44 ft² (4.08 m²)</td>
<td>144</td>
<td>24 lb / pc (10.89 kg / pc)</td>
</tr>
</tbody>
</table>

All Weight per Pallet noted above include a 50 lb pallet weight.

Maximum wall height: 2’. Minimum radius: 2’ 4”.

* For walls built by alternating 6” and 8” faces, there are 54.9 pcs / m² (5.1 pc / ft²) and 3.06 m² (32.94 ft²) per pallet.

**For walls built by alternating 6” and 8” faces, there are 5.6 pc / ln m (1.7 pc / ln ft) and 30.11 ln m (98.8 ln ft) per pallet.

### TuscanStone™

<table>
<thead>
<tr>
<th>Coverage</th>
<th>Units / Pallet</th>
<th>Coverage / Pallet</th>
<th>Weight / Piece</th>
<th>Weight / Pallet</th>
</tr>
</thead>
<tbody>
<tr>
<td>12&quot; Unit</td>
<td>3 pcs / ft² (32.15 pcs m²)</td>
<td>90</td>
<td>30 ft² (2.80 m²)*</td>
<td>30 lb (14 kg)</td>
</tr>
<tr>
<td>8&quot; Unit</td>
<td>4.55 pcs / ft² (50 pcs m²)</td>
<td>120</td>
<td>26.4 ft² (2.45 m²)**</td>
<td>20 lb (10 kg)</td>
</tr>
<tr>
<td>4&quot; Unit</td>
<td>4.55 pcs / ft² (50 pcs m²)</td>
<td>240</td>
<td>26.4 ft² (2.45 m²)**</td>
<td>10 lb (4.54 kg)</td>
</tr>
</tbody>
</table>

* Using a 4" x 12" face.

**Using a 4" x 8" face All Weight Per Pallet noted above include a 50 lb pallet weight.
PAVER PATTERNS

RUNNING BOND 1

Clay Pavers
Columbia Slate Rectangles
Eco-Priora 4 X 8
Holland

RUNNING BOND 2

Roman Cobblestone Large
Dominion Slate
Roman Dominion

RUNNING BOND 3

Dominion Slate Squares
Eco-Priora Squares
Architectural Slabs
Columbia Slate Squares
Roman Dominion Squares
Holland
Double Holland

RUNNING BOND 4

Plank Pavers

STACKED BOND

Clay Pavers
Columbia Slate Rectangles
Eco-Priora 4 x 8
Holland

HERRINGBONE-1

Clay Pavers
Columbia Slate Rectangles
Eco-Priora 4 x 8
Holland

HERRINGBONE-2

Roman Cobblestone Large
Dominion Slate
Roman Dominion

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PAVER PATTERNS

Herringbone 3
Plank Pavers

Double Basketweave
Clay Pavers
Columbia Slate Rectangles
Eco-Priora 4 x 8
Holland

Boxed Basketweave-1
Clay Pavers
Columbia Slate Rectangles
Eco-Priora 4 x 8
Holland

Offset 45° Herringbone
Roman Cobblestone

Basketweave
Plank Pavers

Boxed Basketweave-2
75% Rectangles, 25% Squares
Columbia Slate Rectangles + Squares
Eco-Priora 4 x 8 + 8 x 8
Holland + Double Holland
Roman Cobblestone Small & Medium

Single Basketweave
Clay Pavers
Columbia Slate Rectangles
Eco-Priora 4 x 8
Holland

Muster K
70% Rectangles, 30% Squares
Roman Dominion
Dominion Slate

Offset Boxed Basketweave
Clay Pavers
Columbia Slate Rectangles
Eco-Priora 4 x 8
Holland
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.

**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 12". This will allow room for the edge restraint system. Excavate a minimum of 7" below final paver elevation. Allow ¼" to ½" 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 ¾" minus rock to the excavated area. This will allow the plate compactor to glide across area without sticking to subgrade. Compact the entire sub-grade soils with a plate compactor. After compacting subgrade soils, add 1"–2" of ¾" 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 ¾" 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: 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 4: Bedding Sand**
Bedding sand should be screeded at a depth of 1". 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 5: Install Pavers**
Depending on the type of paver 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.). 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 6: Compaction**
Compact first to achieve proper interlock and then 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. Plate compactors can be rented at most hardware stores.

* Special design is required with permeable paving systems. Please contact a Mutual Materials salesperson.

** To achieve a consistent color blend, it is important that you mix pavers from multiple pallets together as you lay your design.
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 CypressStone™, Roman Cypress™, and CornerStone® walls over 4 feet requiring engineering and reinforcement are available from a Mutual Materials Representative.

View video demonstrations of installation online at www.mutualmaterials.com, or on YouTube.

**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 1” for every foot of wall height.
Allow 6”–8” (150–200 mm) of space behind the wall for ⅜” clean crushed 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 ⅝ 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 blocks for alignment, place blocks 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.

**STEP 3:**
Start placing the second course. Center each block on the seams of the first course. If using ManorStone®, CottageStone® Advantage, or VineyardStone™ the connecting lip should be pointed down to overhang the back edge of the base units. If using RomanStack®, StackStone®, CypressStone, or Roman Cypress, the bottom groove should be fitted over the tongue on the base blocks. 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 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 ¾” gravel or drain rock and compact in 3” to 4” layers. 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 should also be used. 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, CypressStone, Roman Cypress 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.
The following are standard installation guidelines for Concrete Architectural Slabs in a sand-set application. Concrete 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.

**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 12". 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 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 soil with plate compactor.* After compacting subgrade soil, 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 of 1”. 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.

**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.

* Plate compactor can be rented at most rental outlets.
** To achieve a consistent color blend, it is important that you mix slabs from multiple pallets together as you lay your design.
How to Install Flagstone in Crushed Base Rock

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 allow for a 3” layer of ¾ minus, a 1”–1½” layer of ¼ minus and the thickness of your stone.

STEP 3:
Lay out edging for the patio or walkway using ledge stone, plastic edging or concrete curb.

STEP 4:
Put a 4” layer of ¾ minus base rock. If drainage is a concern, you can use 1½ minus. Compact this base by tamping and watering or using a mechanical compactor, then lay out a 1½” thickness of fine ¼ minus as a bed for your stones.

STEP 5:
If your stone is of varying thickness, add or remove the ¼ minus as you go, keeping the stones level with each other and your border.

STEP 6:
Fill the joints between the stone with ¼ 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 a polymeric 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 ¾ or 1½ 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 neat 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 ¾” 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.
PROJECT WORKSHEETS

PAVING STONE PROJECT

STEP A: Find total square footage
1. Make a drawing of your project (to 1 inch scale if possible).
2. Choose your stone shape and color.
3. Find the total square footage of your project using Step B below.
4. Locate your stone square footage on the product price label.

STEP B: Formula to determine stones for the project
1. Multiply the length by the width to get the total square footage of the project.
   \[
   \text{Length in feet} \times \text{Length in feet} = \text{Total square feet}
   \]

2. Multiply the total square footage of the project by square footage of the stone you chose.
   \[
   \text{Total square feet} \times \text{Sq. ft. per stone} = \text{Total stones needed}
   \]

RETAINING WALL PROJECT

How many stones do I buy? 4” x 12” Wall Block
(Stones required per square foot of wall surface area)

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How many stones do I buy? 6” x 16” Wall Block
(Stones required per square foot of wall surface area)

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Bring Your Vision to Life

From ideas and inspiration, to product selection, then finding installation professionals, Mutual Materials is here to help our customers build beauty that lasts in their homes and yards.

Professional Services

• As a manufacturer, Mutual Materials does not offer design or installation services directly, but we know who does. Our professional network includes architects, designers, builders, and landscape professionals.

• Our Contractor Connect Program matches your project with multiple contractors. You work directly with the company of your choice. Call Contractor Connect at 1-800-548-8452.

1. Ideas
   Gather ideas and inspiration for your home or yard project.

2. Design
   Design your project yourself or hire a professional through our network.

3. Select
   Select Mutual Materials' products and colors.

4. Install & Enjoy
   Install the project and enjoy!