

CypressStone™ retaining wall system offers the flexibility of design and a quarried stone appearance that architects, engineers, contractors, and homeowners are looking for. CypressStone is the ideal way to handle grade changes in any landscape or garden project, and can be used to increase the amount of usable space.

CypressStone blocks, corners and coping units are manufactured in pairs, face to face. The rough surface is achieved by the installer splitting the units apart. The units interlock using a tongue and groove connection system.

They may be used for gravity walls up to 4' and reinforced walls up to 26'. CypressStone walls have a set-back of  $\frac{3}{4}$ " or 1" set-back per course.

## MUTUAL MATERIALS TECH SHEET

# CypressStone™

TRADITIONAL



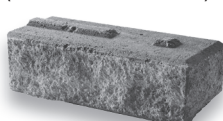
### Standard/Tapered Unit

6" x 8" x 12"  
(152 mm x 203 mm x 305 mm)



### Corner Unit

6" x 8" x 20"  
(152 mm x 203 mm x 508 mm)



### Revers-a-Cap

3" x 14" (76 mm x 154 mm)  
Front face: 8" (203 mm)  
Back face: 7" (177 mm)



### 12" Coping Unit

3" x 23 5/8" x 12"  
(76 mm x 603 mm x 305 mm)



## PRODUCT DATA\*

	Coverage	Units / Pallet	Coverage / Pallet	Weight / Piece	Weight / Pallet
Standard/Tapered Unit	3 pcs / ft <sup>2</sup> (32.3 pcs / m <sup>2</sup> )	60	20 ft <sup>2</sup> (1.85 m <sup>2</sup> )	45 lb / 43 lb	2,750 lb / 2,630 lb
Corner Unit	1.2 ft <sup>2</sup> / pc (0.077 m <sup>2</sup> / pc)	30	36 ft <sup>2</sup> (2.32 m <sup>2</sup> )	77 lb (35 kg)	2,360 lb (1,070 kg)
Revers-a-Cap*	1.5 pcs / ln ft (4.92 pcs / ln m)	96	64 ln ft (22.9 ln m)	22 lb (10 kg)	2,640 lb (1,220 kg)
12" Coping Unit	2 ln ft / pc (0.6 ln m / pc)	36	72 ln ft (19.5 ln m)	62 lb (30.8 kg)	2,262 lb (1,010 kg)

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

Maximum gravity wall height: 4'. Minimum radius: 8'. Please consult sales representative for maximum reinforced wall height.

\* 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

## AVAILABLE COLORS

For more information on custom colors, please contact a Mutual Materials sales representative. Custom colors may be restricted by the size of the order or project.



Cascade Blend Split-Face



Harvest Blend Split-Face



Rustic Blend Split-Face

## INSTALLATION PARAMETERS

The installation instructions on the reverse side are for gravity walls up to 4' only. Walls over 4' must be reinforced and designed by an engineer.

## INSTALLATION INSTRUCTIONS

For more specific and detailed instructions, please contact your Mutual Materials sales representative.

**Maximum gravity wall height: 4'**

**Minimum radius circle: 8'**

**1. Excavation:** First mark the area of the wall with chalk or spray paint and then string a line. Dig out a trench that is a minimum of 9" (230 mm) deep plus one inch for every foot of wall height. Allow 12" (305 mm) of space behind the wall for  $\frac{3}{4}$ " washed drain rock (this means your trench should be 30" wide). Roots and large rocks should be removed from the trench.

**2. Base Preparation:** The project requires a perforated drain, so cover the back and the bottom of the trench with a geotextile fabric to prevent soil from blocking the drainage system. Measure geotextile fabric with excess length of about 12" (305 mm) at the top of the bank, which will be folded over the completed drainage fill.

**3. Foundation:** Install a 4" (102 mm) diameter perforated drain in this foundation and connect it to the existing drainage system. Next, prepare a 6" (152 mm) deep foundation with  $\frac{5}{8}$ " minus or  $\frac{3}{4}$ " minus crushed rock. Add 1"–2" of  $\frac{5}{8}$ " minus or  $\frac{3}{4}$ " minus crushed rock, rake smooth and compact with plate compactor. Base rock should have a certain amount of moisture content. Repeat steps until final 6" base elevation is achieved.

**4. First Course:** After splitting units apart, 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. Begin laying block at the lowest point of the wall and/or 90° corner. It is easier to start at a straight section of the wall. Complete the base course before proceeding to the second course. Be aware that the blocks have a  $\frac{3}{4}$ " set back. When curves are laid out, space the base course block slightly apart to allow for their set back.

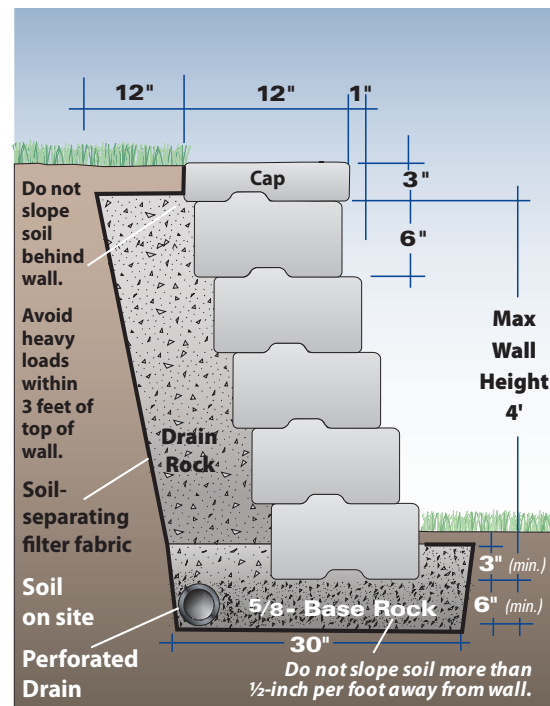
**NOTE:** Before installing additional courses, it is recommended that the installer front fills and backfills the first course with base rock and compacts to ensure stability of the wall.

**5. Second & Additional Courses:** Sweep top of underlying course and stack next course in running bond pattern so the middle of the unit is above the joint between adjacent blocks below. 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. Always wear eye protection when splitting stones. If many cuts are needed, a masonry saw may be the better option to use.

**6. Backfilling:** After each course is laid, backfill behind the wall with  $\frac{3}{4}$ " washed drain rock. This improves drainage and prevents soil from leaching through the wall face.

**7. Top Course:** Use concrete adhesive to secure the cap course. Apply the adhesive with a caulking gun. Lay the cap down and press firmly. Finish backfilling behind the wall.

\* Units are manufactured face-to-face. Installer must separate units. To separate the units, use a hammer to pound the chisel along the scored lines until the unit splits. Always use eye protection when splitting stones.



## MUTUAL MATERIALS LOCATIONS

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

### Washington

Auburn  
Bellevue  
Bellingham  
Mukilteo  
Olympia (Tumwater)  
Port Orchard  
Spokane  
Tacoma (Parkland)  
Vancouver, WA

### Oregon

Bend  
Clackamas  
Durham  
Hillsboro  
Salem

### Idaho

Hayden

### Montana

Missoula



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