



CORNERSTONE®



The CornerStone® Retaining Wall System is designed for use in either gravity retaining wall structures or mechanically stabilized, geogrid reinforced soil retaining structures. Applications range from low, lightly loaded gravity designed residential retaining walls to high (30 ft.), commercial and industrial geogrid reinforced structures. Whether the design is simple or complex, CornerStone walls retain their strength, while flexing under seismic loading, or in landscape applications such as curved walls, steps and terraces.

The CornerStone 100 and 200 Series are ideal for municipal and commercial retaining structures as well as residential serpentine garden walls. Units are available in a variety of colors and two shapes—radius face and flat face, which blend well with buildings and surrounding landscape to enhance the overall appearance of your project.

AVAILABLE COLORS

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



Gray Split-Face



Summit Blend Split-Face

200-SERIES

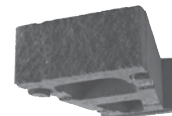
The CornerStone 200-Series units are used for critical retaining wall sites, such as highways, water sensitive areas (rivers, lakes or ocean shores) and very tall or high-loaded stressed projects. 200-Series units can be used for gravity walls up to 6' and reinforced walls up to 30'. For walls over 4 feet high, consult an engineer.

The units should be used where structural stability is important, such as a site that has a slope above the top of the wall. This unit can also be used as a base course for a 100-Series wall to provide added base stability. 200-Series walls can be finished with the 100- or 50-Series cap units.

	Coverage	Units / Pallet	Coverage / Pallet	Weight / Piece	Weight / Pallet
R-200 Unit	1 pc / ft ² (10.76 pc / m ²)	25	25 ft ² (2.325 m ²)	130 lb (59 kg)	3,330 lb (1,510 kg)
F-200 Unit	1 pc / ft ² (10.76 pc / m ²)	25	25 ft ² (2.325 m ²)	130 lb (59 kg)	3,330 lb (1,510 kg)



R-200 Unit
8" x 18" x 22"
20.3 cm x 45.7 cm x 56 cm



F-200 Unit
8" x 18" x 22"
20.3 cm x 45.7 cm x 56 cm

All Weight per Pallet noted above include a 50 lb pallet weight.
Maximum gravity wall height: 6'. Without any surcharges. Maximum reinforced wall height: 30'
Note: each course batters back 5/8" from the previous course.

100-SERIES

The 100-Series units are suitable for landscape gravity walls. When using geosynthetic reinforcements, the 100-Series wall has excellent stability and is structurally sound for tall walls up to 30'. The 100-Series displays the versatility and flexibility that are ideal for creative designs for residential and commercial projects.

The 100-Series caps are available with straight sides for straight walls or tapered for curved walls. The F-100 corner unit saves time when building an outside 90° corner. The running-bond pattern is maintained when using the corner units. The two-sided textured corner units can also be used to build pillars, finish top-of-the-wall steps or outside corners of stairs. The overlapping corner units can be secured by using concrete adhesives. The corner unit is available in flat face only, but is suitable for use with both radius and flat face walls.

NOTE: There is an additional 100-Series CornerStone unit with a new lug system that offers the same performance, but reduces the setback of each course and allows for near-vertical walls.

	Coverage	Units / Pallet	Coverage / Pallet	Weight / Piece	Weight / Pallet
R-100 Unit	1 pc / ft ² (10.76 pc / m ²)	40	40 ft ² (3.72 m ²)	76 lb (34.5 kg)	3,090 lb (1,402 kg)
R-100 Cap	1.44 ln ft / pc (0.439 ln m / pc)	32	46.08 ln ft (14.05 ln m)	110 lb (50 kg)	3,570 lb (1,690.3 kg)
R-100 Cap Straight-sides	1.44 ln ft / pc (0.439 ln m / pc)	24	34.56 ln ft (10.54 ln m)	122.62 lb (56 kg)	3,000 lb (1,360.8 kg)
F-100 Unit	1 pc / ft ² (10.76 pc / m ²)	40	40 ft ² (3.72 m ²)	83 lb (34 kg)	3,570 lb (1,690.3 kg)
F-100 Cap	1.5 ln ft / pc (0.457 ln m / pc)	32	48 ln ft (14.63 ln m)	110 lb (50 kg)	3,570 lb (1,690.3 kg)
F-100 Cap Straight-sides	1.5 ln ft / pc (0.457 ln m / pc)	24	48 ln ft (14.63 ln m)	122.62 lb (56 kg)	3,000 lb (1,360.8 kg)
F-100 Corner	1.5 ft ² / pc (.093 m ² / pc)	40	60 ft ² (3.72 m ²)	85 lb (38.5 kg)	3,450 lb (1,565 kg)



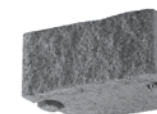
R-100 Unit
8" x 18" x 12"
(20.3 cm x 45.2 cm x 30.5 cm)



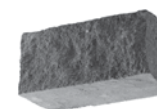
R-100 Cap*
8" x 18" x 12"
(20.3 cm x 45.7 cm x 30.5 cm)



F-100 Unit
8" x 18" x 12"
(20.3 cm x 45.7 cm x 30.5 cm)



F-100 Cap*
8" x 18" x 12"
(20.3 cm x 45.7 cm x 30.5 cm)



F-100 Corner
8" x 18" x 9"
(20.3 cm x 45.7 cm x 23 cm)

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

Maximum gravity wall height: 4'. Without any surcharges. Maximum reinforced wall height: 30'. Minimum radius 3' 5".

*Also available with straight-sides.

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

50-SERIES

The 50-Series cap units are available with tapered sides for curved walls and straight sides for straight walls. The cap units can be used with 50, 100 and 200-Series unit walls.

	Coverage	Units / Pallet	Coverage / Pallet	Weight / Piece	Weight / Pallet
R-50 Cap Tapered	1.5 ln ft / pc (0.457 ln m / pc)	48	72 ln ft (21.95 ln m)	60 lb (27 kg)	2,930 lb (1,329 kg)
R-50 Cap Straight-sides	1.5 ln ft / pc (0.457 ln m / pc)	48	72 ln ft (21.95 ln m)	60 lb (27 kg)	2,930 lb (1,329 kg)
F-50 Cap Tapered	1.5 ln ft / pc (0.457 ln m / pc)	48	72 ln ft (21.95 ln m)	60 lb (27 kg)	2,930 lb (1,329 kg)
F-50 Cap Straight-sides	1.5 ln ft / pc (0.457 ln m / pc)	48	72 ln ft (21.95 ln m)	60 lb (27 kg)	2,930 lb (1,329 kg)

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

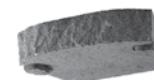
*R-50 Cap and F-50 Cap are available with straight sides.

Maximum gravity wall height: 3'.

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

R-50 Tapered Cap*

4" x 18" x 12"
(10.2 cm x 45.7 cm x 30.5 cm)



R-50 Straight-Sided Cap

4" x 18" x 12"
(10.2 cm x 45.7 cm x 30.5 cm)



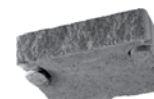
F-50 Tapered Cap*

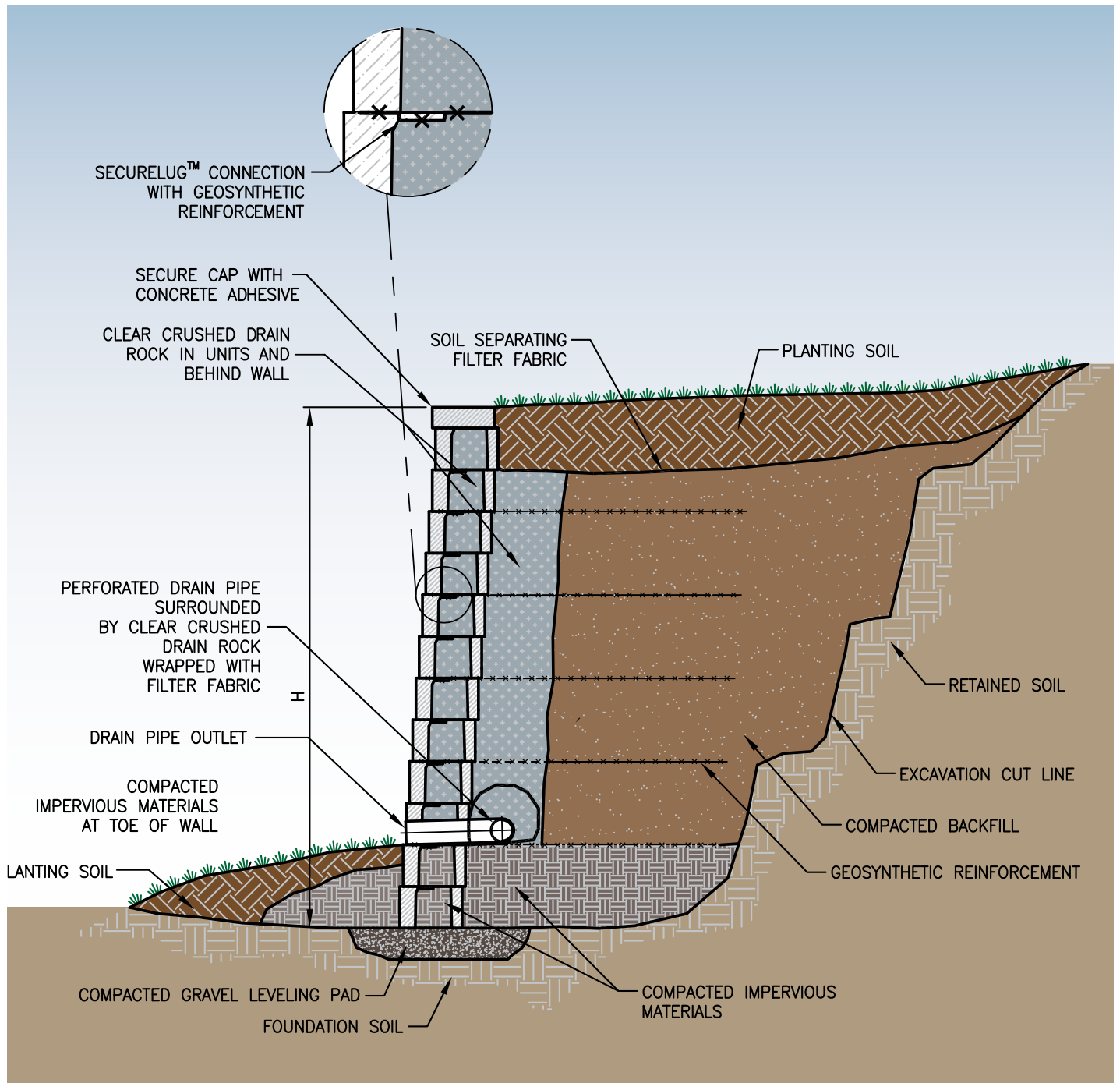
4" x 18" x 12"
(10.2 cm x 45.7 cm x 30.5 cm)



F-50 Straight-Sided Unit

4" x 18" x 12"
(10.2 cm x 45.7 cm x 30.5 cm)





This diagram is for illustrative purposes only. Not for construction.

DESIGN FLEXIBILITY

CornerStone's lug design, wedged shape and two-inch lateral allowance in the interlock, make it possible to design 90° and 45° inside or outside corners. Concave and convex curves flow with precision. Walls can be split and rejoined for planting beds. Stairs, with secure railings, can be effectively integrated into any hardscape design. When geosynthetic reinforcement is added, a CornerStone wall becomes a dependable, attractive system that can effectively stylize or promote the natural qualities of a site. CornerStone can be safely used in high-terraced walls, under difficult site conditions.

INSTALLATION ADVANTAGE *(For more specific and detailed instructions, please contact your Mutual sales representative.)*

One person can handle the lightweight, hollow-core units. The patented, one-step connection system speeds up installation time considerably. The tapered design helps avoid costly and time-consuming cutting that can be required to meet design needs.

Construction can continue during inclement weather when using free-draining granular backfill. On completion, parking lots, roadways, and building structures above and below the wall can be started immediately because all backfill materials are compacted to 95% Standard Proctor dry density or greater.

INSTALLATION ADVANTAGE *(continued)*

CornerStone walls can be disassembled and reassembled, making the CornerStone system an ideal choice for land easements, or where access to underground services is required. In addition, the lug design is exceptionally fast and easy to install because of the precision fit and the one-step interlock.

Installation guidelines are available online at www.mutualmaterials.com or from your Mutual Materials sales representat

PRODUCT AVAILABILITY

Not all shapes shown here are stocking. Please consult your Sales Representative or local Mutual Materials Branch for stocking shapes and colors. Custom colors may be available by special order.



MUTUAL MATERIALS LOCATIONS

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

WASHINGTON		OREGON	IDAHO	MONTANA
Auburn	Port Orchard	Bend	Boise	Missoula
Bellevue	South Seattle	Clackamas	Hayden	
Bellingham	Spokane	Durham		
Marysville	Tacoma (Parkland)	Portland		
Olympia (Tumwater)	Vancouver, WA	Salem		

