RIDGEROCK®

MAXIM™

Retaining Walls To The Max!

MAXIM™ delivers user-friendly benefits with increased shear capacity and overall stability with unreinforced walls up to 7 ft. in height and up to 50 ft. in height with the use of geogrid.

Installation Benefits

RidgeRock MAXIM utilizes the same patented Flexible Wing Positioning System (FWPS) as its RidgeRock counterparts.

The FWPS mechanism provides flexibility in constructing radii without the loss of shear resistance and provides movement from left to right when needed to align with adjacent blocks. The FWPS system allows wall construction without the need for pins or clips. The integral connection mechanism offers engineers and architects peace of mind that shear will not be lost, and reduces time and effort requirements for contractors.

The Aligned Core Design

Allows for more complete core filling through multiple courses.

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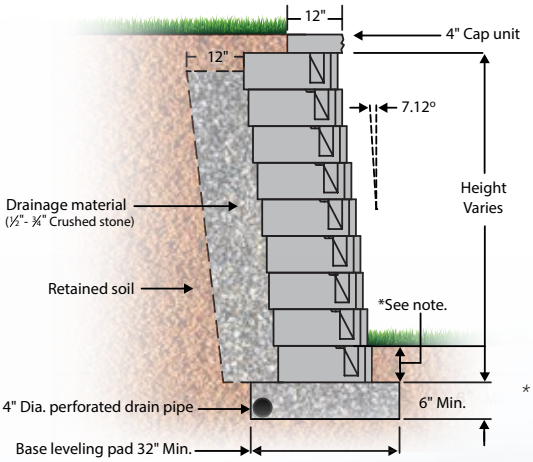
By RidgeRock

Structural Benefits

The increased depth of the MAXIM™ units provides superior stability and resistance to overturning for construction of taller walls without the need for geogrid. Increased shear resistance allows taller wall construction without the possibility of internal shearing or sliding. The large open core design increases drainage, shear resistance and geogrid connection capacity, while the aligned core design allows placement of fence posts or other structures within the wall units.

Unreinforced Gravity Wall Detail



** Embedment below grade varies with condition in front of wall. 6" Minimum.*

MAXIMUM UNREINFORCED HEIGHTS (FT.)				
Soil Type	Sloping Ground Condition			
	Level	4H:1V	3H:1V	2H:1V
Washed gravel, ϕ=36°	6.67'	6.0'	6.0'	5.33'
Sand/Silty sand, ϕ=32°	6.0'	5.33'	4.67'	4.0'
Sandy Silt/Sandy clay, ϕ=28°	5.33'	4.67'	4.0'	2.67'

Notes: Calculations assume a weight of 120 pcf for sands and silts, and a weight of 115 pcf for washed gravel. Soil Angle of Internal friction (ϕ) was assumed as noted. Calculations were based on NCMA Design Manual, 3rd Edition. For soil properties to be applicable, soil behind block must consist of the selected properties for a horizontal distance of ½ the height of the wall. Block setback is 1 inch per 8 inch course of block (7.12°). No external surcharges were used in calculations. Surcharges could affect allowable heights. Calculations were based on the use of a 6" compacted washed stone leveling pad.

Design Aesthetics

Available in Straight or Beveled face, the split face rock texture provides a natural appearance with the option of clean straight lines, or softer shadowed effects. Multiple color choices provide the opportunity to integrate in multiple landscapes.

SPECIFICATIONS	
Weight (Empty)	Approx. 105 lbs
Height	8 inches
Depth (front to back)	20.5"
Width (left to right)	18"
Face coverage	1.0 sq.ft.
Setback per course	1 inch

**Weight, setback and other dimensions may vary by region. Contact your local representative for specifications and availability. Patent Nos. 6,168,354, 6,474,036, 8,141,315. Other patents pending.*

Call your local RidgeRock representative to learn more about how RidgeRock Retaining Walls can meet your most challenging site development and landscaping needs.

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