



MIRASTONE™

THE INSTALLATION ADVANTAGE

> > > Engineered for strength...
designed for beauty

Designed for Beauty

Ideal for everything from residential landscaping to large commercial projects, MiraStone™ offers the perfect combination of strength and aesthetic beauty. Unit shape and size are balanced to provide a natural profile. For value, beauty, durability and ease of construction, your best choice is MiraStone™.

Installation Advantage

MiraStone™ combines durability, flexibility and ease of installation for gravity and geosynthetic reinforced walls. Each light weight unit has a large hollow core, SecureLug connection, and tapered sides. The gravel interlock provides high shear resistance and excellent connection strength to geosynthetics.



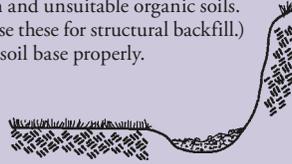
CORNERSTONE
WALL SOLUTIONS INC.
cornerstonewallsolutions.com



HOW TO INSTALL

1. EXCAVATE

Dig a base trench 24 inches to 36 inches wide and a minimum of 12 inches deep. Remove all vegetation and unsuitable organic soils. (Do not use these for structural backfill.) Compact soil base properly.



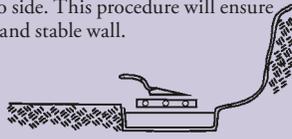
2. PREPARE LEVELING PAD

Fill trench with 6 inches of well graded gravel and compact firmly with vibrating compaction equipment.



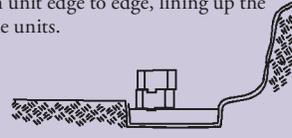
3. LEVEL THE BASE

Level the gravel base from front to back and side to side. This procedure will ensure a straight and stable wall.



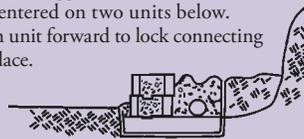
4. LAY YOUR FIRST COURSE

Use a string line to align the first row of units. For smooth curves, use a flexpipe as the guide. Place each unit edge to edge, lining up the back of the units.



5. BUILD YOUR WALL

Sweep the top of each course of units to clear debris. Half-stagger the next course so each unit is centered on two units below. Pull each unit forward to lock connecting lugs in place.



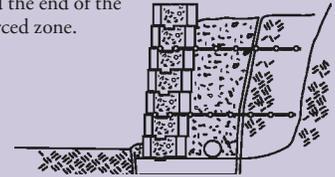
6. INSTALL BACKFILL

Place perforated drainage pipe behind the base of the wall. Add 12 inches of free-draining gravel behind the wall. Fill the hollow core of the units with the same materials. Place the backfill materials in layers of no more than 12 inches deep. Compact each layer well, making sure to keep the compaction equipment 12 inches away from the back of the wall.



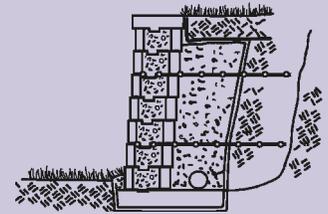
7. REINFORCE WALL

Place the geosynthetics on top and as close to the front of the units as possible. Lock the next course of units into place. Gently tension the geosynthetics toward the back of the compacted backfill. Repeat the backfilling steps. Always work from the back of the wall toward the end of the reinforced zone.



8. CAP YOUR WALL

Sweep off the top course of units. Secure caps to the top of the wall using an approved concrete adhesive. Use a level piece of string to properly align the capping. Place filter soil separation fabric on top of the backfill and drainage materials as well as the back side of the wall. Cover with top soil.



Unit Specifications

for more technical information, visit cornerstonewallsolutions.com



STANDARD QUARRY FACE

6" Height x 18" Width x 12" Depth
(152 H x 457 W x 305 mm D)
Weight: 57 lbs (26 kgs)
Face Area = .75 sq. ft. (0.069 m³)



RANDOM QUARRY FACE

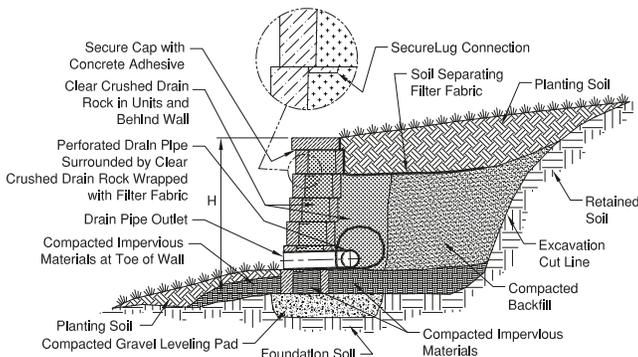
6" Height x 18" Width x 12" Depth
(152 H x 457 W x 305 mm D)
Weight: 57 lbs (26 kgs)
Face Area = .75 sq. ft. (0.069 m³)



90 DEGREE CORNER

6" Height x 18" Width x 9" Depth
(152 H x 457 W x 229 mm D)
Weight: 35 lbs (16 kgs)

TYPICAL GRAVITY CROSS SECTION



TYPICAL GEOSYNTHETIC REINFORCED CROSS SECTION

