



**STRUCTURAL WALL | KEYSTONE CENTURY WALL®**

KEYSTONE  
**CENTURY WALL®**

Designed specifically for medium to large wall loading conditions, Keystone Century Wall combines the distinctive look and character of a natural stone three-piece system with superior structural integrity. For projects where aesthetics are paramount; Keystone Century Wall allows you to build with confidence.



**Unit Dimensions & Weights:**

- Large:** 8" h x 18" w x 12" d; 82 - 87 lbs  
(203mm x 457mm x 305 mm; 37 - 39 kg)
- Medium:** 8" h x 11" w x 12" d; 54 - 58 lbs  
(203 x 279 x 305 mm; 24 - 26 kg)
- Small:** 8" h x 7" w x 12" d; 41 - 45 lbs  
(203 x 177 x 305 mm; 19 - 20 kg)

**Units/sq.ft:** 0.5 (average)

**Pin Specifications:**

½" x 3¾" Shouldered Pins (13 x 95mm)



**FEATURES & BENEFITS**

**Character & Strength**

- Offers the structural integrity, performance and environmental friendliness of concrete.
- Creates visually stunning and heavy duty wall structures for residential, commercial, industrial and institutional applications.
- Offering Old-World aesthetics while providing superior strength.

**Product Design**

- Center core provides an open cell in which unit drainage fill is placed adding weight, facial stability and additional interlock.
- Gravel fill functions as a drainage filter alleviating hydrostatic pressure.
- Utilizes Keystone's pin system which allows for setback or near vertical construction.

**Color & Shape**

- Produced in colors that enhance its natural stone appearance.
- Rugged and random sized high-strength units give the wall the appearance of classic, hand-crafted stone.

**Note:** Unit color, dimensions, weight & availability varies by manufacturer.

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### INSTALLATION INSTRUCTIONS



1. Prepare Base Leveling Pad

After selecting the location and length of the wall, excavate the base trench to the designed width and depth. Remove all surface vegetation and debris. Do not use this material as backfill. Start the leveling pad at the lowest elevation along wall alignment. Prepare the leveling pad base with 16 inches (400mm) of well-compacted granular fill (gravel, road base, or 1/2-inch to 3/4-inch (10 - 20mm) crushed stone). At required elevation changes in the leveling pad, step up in 8-inch (200mm) increments. Compact to 95% Standard Proctor or greater. Do not use PEA GRAVEL or SAND for leveling pad.



4. Install Fill & Compaction

Once the pins have been installed, provide 1/2" to 3/4" (10-20mm) crushed stone drainage fill behind the units to a minimum distance behind the tail of 1' (300mm). Fill all open spaces between units and open cavities/cores with the same drainage material. Proceed to place backfill soil in maximum 8" (200mm) layers and compact to 95% Standard Proctor with the appropriate compaction equipment.

Note: Do not run heavy (ride-on) compaction equipment within 3' (1m) of back of wall. Do not use PEA GRAVEL or SAND for drainage fill.



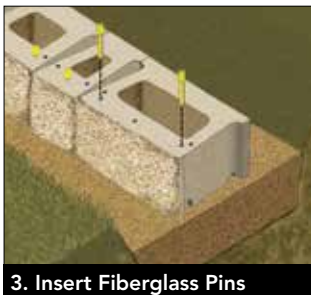
2. Install the Base Course

Place the first course of units end to end (with front corners touching) on the prepared base. The surface of the unit with the long groove (receiving channel) near the front face of the unit should be placed down and the open pin holes should face up, as shown. For accurate and acceptable results, make sure each unit is level - side to side and front to back. For alignment of straight walls, use a string line positioned along the unit pin holes for accuracy. Minimum embedment of base course is 8" (200mm) below grade.



5. Install Additional Courses

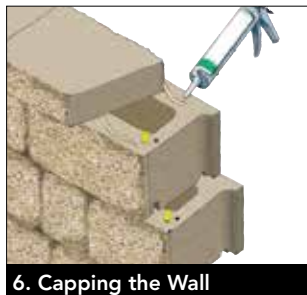
Place the next course of Keystone Century Wall units over the fiberglass pins, fitting the pins into the long receiving channel recess in the units above. Push/pull the Century Wall units toward the face of the wall until the channel makes full contact with the pins. Each course should be built in a random arrangement with the only rule of thumb being to avoid vertical joint alignment. (i.e. stack bonding)



3. Insert Fiberglass Pins

Place the shouldered fiberglass pins into the appropriate holes to achieve the desired setback position of the Keystone Century Wall units. Place pins in the front hole(s) for near vertical alignment. Place pins in the rear holes for an 8° setback per course.

NOTE: The large unit has an "optional" pin hole to ensure small units above do not slip between pins.



6. Capping the Wall

Clean off the last course of Keystone Century Wall in preparation for the cap or coping to finalize the wall. With units dry and clean, use a construction adhesive for a mechanical bond. Install capping units, architectural precast concrete, or cut stone as a coping element. Cap may be flush or overhanging as required by aesthetics and design.

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