

An industry favorite, Keystone Compac III combines unrivaled aesthetic options with cost saving versatility and proven wall performance.



The #1 commercial retaining wall product on the market - just got better.

Trusted by architects, engineers and contractors around the world, the Keystone Compac III unit utilizes the proven Keystone pin connection system. Keystone Compac is part of the Keystone structural product line; proudly providing solutions that overcome the most challenging site conditions.

Together with premier manufacturers, product developers, engineers and sales professionals; we proudly ensure that Keystone products and services offer the best site solutions for governmental, commercial/ industrial, recreational, public works and residential applications.

When you specifying your next project, be sure to specify the improved Keystone Compac III retaining wall system.

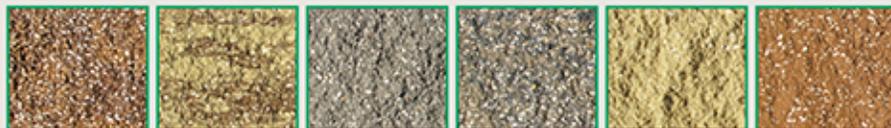
For strong shear connection, all structural units are interconnected using high strength fiberglass pins. The connecting pins simplify creation of vertical, or battered setback, options and allow a secure positive mechanical connection with soil reinforcement materials.



Keystone Connection Pins

The interlocking pin system makes the critical difference; delivering retaining wall solutions with unsurpassed design versatility and structural stability.

Available colors:



Coffee Mocha Natural Grey Prairie Sandstone Tan

KEYSTONE[®] **COMPAC III**



Unit Dimensions:

Wall Unit: 8" h x 18" w x 12" d

Cap Unit: 4" h x 18" w x 12" d

Unit Weights:

Wall Unit: 70-74 lbs

Cap Unit: 39 lbs

Pin Specifications:

½" x 5¼" Fiberglass Alignment Pins



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

FEATURES & BENEFITS

Ease of Installation

- Unit shape allows for tight radius curves and vertical core alignment.
- Shorter tail design makes for easier handling in the field.
- Triangular shaped pin receiving hole allows for installer-friendly construction adjustments.

Aesthetics

- Variety of colors complement any landscape.
- Natural stone texture appearance.

Maximum Versatility and Performance

- The Compac III unit design results in decreased unit weight; effectively reducing shipping costs while maintaining structural integrity.
- Near vertical or battered setback construction options.
- Higher unit-to-unit shear resistance.
- Increases vertical drainage through face units.
- Open cores allow for gravel interlock across block interfaces.
- Improves connection strength between face units and geogrid.
- Allows for various positive connections with reinforcement to build walls in excess of 60 feet tall.*

* Based on design by a professional engineer.

INSTALLATION INSTRUCTIONS

Step 1

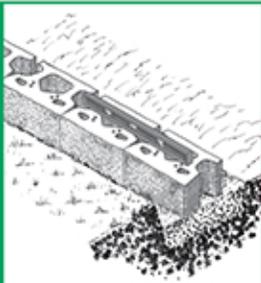


Prepare the Base Leveling Pad.

Excavate the base trench to the designed width and depth. Start the leveling pad at the lowest elevation along the wall alignment. Step up in 8" (200mm) increments with the base as required at elevation change in the foundation. Level the prepared base with maximum lifts of 6" (150mm) of well-compacted granular fill (gravel, road base, or ½" to ¾" [10 - 20mm] crushed stone). Compact to 95% Standard Proctor or greater. Do not use PEA GRAVEL or SAND for leveling pad.



Step 2



Install the Base Course.

Place the first course of Keystone units end to end (with face of wall corners touching) on the prepared base. The receiving pin holes should face upward, as shown. Make sure each unit is level. Leveling the first course is critical for accurate and acceptable results. Keystone recommends minimum embedment depth for below grade placement of Keystone units on a ratio of 1" (25mm) below grade for each 8" (200mm) of wall height above grade or one unit, whichever is greater.

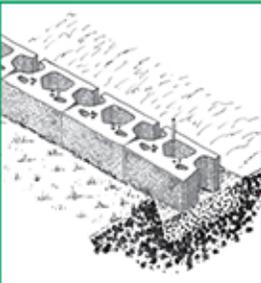
Step 4



Install Fill & Compaction.

Provide ½" - ¾" (10 - 20mm) clean crushed stone drainage fill behind the units to a minimum distance behind the tail of one foot (300mm). Fill all open spaces between units and open cavities/cores with the same drainage material. Proceed to place backfill in maximum 6-8" (150 - 200mm) layers and compact to 95% Standard Proctor with the appropriate compaction equipment.

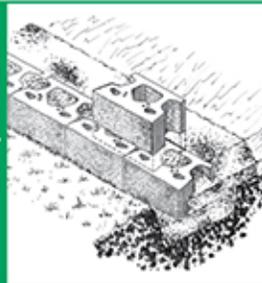
Step 3



Insert the Fiberglass Pins.

Place the straight fiberglass pins into the holes of each Keystone unit as required. Once placed, the pins create an automatic setback for the additional courses. Place pins in the front holes for near vertical (¼" or [3mm]) setback and the rear holes for 1½" (29mm) setback per course.

Step 5

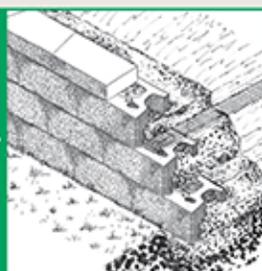


Install Additional Courses.

Place the next course of Keystone units over the fiberglass pins, fitting the pins into the triangular shaped receiving hole in the units above. Push the units toward the face of the wall until they make full contact with the pins. Continue backfilling and building to desired top elevation.



Step 6



Capping the Wall.

Complete your wall with the appropriate Keystone capping units. With units dry and clean, use exterior construction grade adhesive on the top surface of the last course before applying cap units. Backfill and compact to finish grade.

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PLANT LOCATIONS

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