



## STRUCTURAL RETAINING WALL

# KEYSTONE COMPAC® III - Straight

A specifier's favorite, Keystone Compac III features unrivaled aesthetic options, cost saving versatility and proven wall performance. Installer's prefer the Compac III's lighter weight and shorter tail design which make it easy to handle. Trusted by architects, engineers and contractors around the world, the Keystone Compac III unit utilizes the proven Keystone pin connection system.



#110170 - Straight Unit



2 Connection pins required per unit.  
Pins allow for near-vertical or battered setback construction options.

**Before specifying a specific product, please confirm availability with your local Keystone Hardscapes producer.**

PRODUCT	DIMENSIONS			WEIGHT/ UNIT (LBS)	PRODUCT #
	Height	Width	Depth		
<b>Straight</b>	8" 203.2mm	18" 457.2mm	12" 304.8mm	71-76	110170
<b>Pins</b>	½" x 5¼" Fiberglass Connection Pins				

## FEATURES & BENEFITS

### Maximum Versatility and Performance

- The Compac III design results in decreased unit weight; effectively reducing shipping costs while maintaining structural integrity.
- Allows for positive connection with reinforcement to build engineered walls in excess of 60 feet tall.
- Vertically aligned cores allows for ease of core filling and increases vertical drainage through face units.

### 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.
- Near vertical or battered setback construction options.

### Aesthetics

- Crisp and distinctive, the straight split face effectively showcases the color within each unit and a clean linear look.
- Variety of colors complement any landscape.
- Natural stone texture appearance.
- Capping and corner units available.

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



RETAINING  
WALLS



COLUMNS

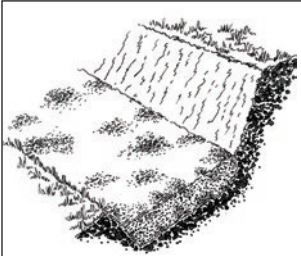


STEPS



## STRUCTURAL RETAINING WALL | KEYSTONE COMPAC® III - STRAIGHT

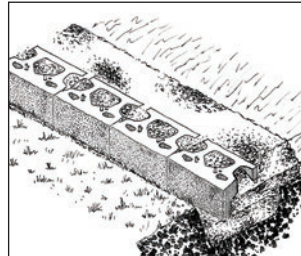
### INSTALLATION INSTRUCTIONS



STEP 1

#### Prepare the Base Leveling Pad.

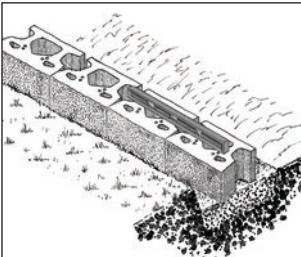
Excavate the base trench to the designed width and depth. Start the leveling pad at the lowest elevation along the wall alignment. Step up in 8" increments with the base as required at elevation change in the foundation. Level the prepared base with maximum lifts of 6" of well compacted granular fill (gravel, road base, or 1/2" to 3/4" crushed stone). Compact to 95% Standard Proctor or greater. Do not use PEA GRAVEL or SAND for leveling pad.



STEP 4

#### Install Fill & Compaction.

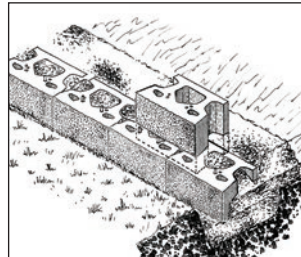
Provide 1/2" - 3/4" clean crushed stone drainage fill behind the units to a minimum distance behind the tail of one foot. Fill all open spaces between units and open cores with the same drainage material. Proceed to place backfill in maximum 6-8" layers and compact to 95% Standard Proctor with the appropriate compaction equipment.



STEP 2

#### Install the Base Course.

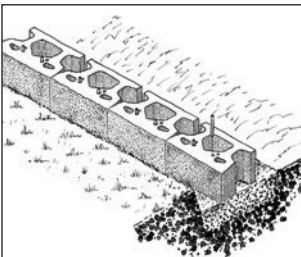
Place the first course of Keystone units end to end (with face of wall corners touching) on the prepared base. The receiving pin holes should face upward, as shown. Make sure each unit is level front to back and left to right. Leveling the first course is critical for accurate and acceptable results. Minimum embedment depth below grade is 6". Consult wall design details for site specific embedment requirements.



STEP 5

#### Install Additional Courses.

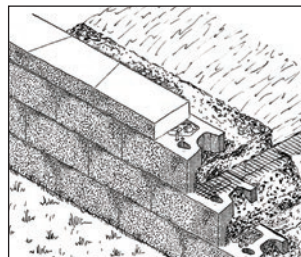
Clean any debris off the top course of units. Place the next course of Keystone units over the fiberglass pins, fitting the pins into the triangular shaped receiving hole in the units above. Push the units toward the face of the wall until they make full contact with the pins. Continue backfilling and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



STEP 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 (1/8") setback and the rear holes for 1 1/8" setback per course.



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.

**Note:** If drain tile is required for your project, consult an engineer or visit [www.keystonehardscapes.com](http://www.keystonehardscapes.com) for more information. Colors are shown as accurately as possible in brochures and samples, but due to the nature of the product, regional color differences and variables in print reproduction, colors may not match exactly.

Complete installation and specification details are available by contacting your Keystone Hardscapes Sales Representative.



[www.keystonehardscapes.com](http://www.keystonehardscapes.com)

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