



## STRUCTURAL WALL | KEYSTONE 133ELITE®

Available in Select Markets

# 133<sup>KEYSTONE</sup>ELITE®

The forward-thinking design of the Keystone 133Elite unit combines superior aesthetic appeal with increased efficiency. A perfect solution for large wall applications, the 8" x 24" (1.33 sq.ft./unit) face dimension creates a compelling large-scale look while reducing the total number of units needed to complete the project. The Keystone 133Elite is able to satisfy a wide array of design requirements, including corners and curves; while using one-third fewer pins to assemble the wall.



Hewnstone

Regency



KeyKut®

### Unit Dimensions:

8" h x 24" w x 11.5" - 12" d  
(203mm x 610mm x 292 - 305mm)

### Unit Weights:

92-97 lbs (42 - 44 kg)

### Units/sq.ft.:

0.75

### Pin Specifications:

½" x 3¾" Shouldered Pins (13 x 95mm)



## FEATURES & BENEFITS

### Maximum Versatility and Performance

- Allows for easy construction of convex and concave curves, as well as 90° corners.
- Embossed 90° corner units are available.
- Unique design allows more square footage of product to ship per truck load.
- Block size allows for one-person installation, maximizing man-hours.

### Structural Integrity

- Design capabilities for all types of wall applications.
- High strength fiberglass pins ensure each unit is securely interlocked.
- Mechanical connection with geogrid soil reinforcement ensures proper tension and maximum efficiency of geogrid.

### Aesthetics

- Large-scale face dimensions perfectly proportioned for large wall applications.
- A variety of face options available, including a Hewnstone texture, created using Keystone Sculpterra® Technology.

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



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# 133ELITE®

### INSTALLATION INSTRUCTIONS



STEP 1

#### Prepare the Base Leveling Pad.

Start the leveling pad at the lowest elevation along wall alignment. Step up in 8" (200mm) increments with the base as required at elevation changes in the foundation. Level the prepared base with 8" (200mm) of well-compacted granular fill (gravel, road base, or ½" to ¾" [10 - 20 mm] 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 ½" - ¾" (10 - 20mm) clean crushed stone drainage fill behind the units to a minimum depth of 12" (300mm). Fill open spaces between unit "tails" of the units with this same drainage material. Proceed to place backfill material in maximum 6" to 8" (150 - 200mm) layers. Compact this soil material to 95% Standard Proctor density with the appropriate compaction equipment.



STEP 2

#### Install the Base Course.

Place the first course of Keystone 133Elite units end to end (with face of wall corners touching) on the prepared base. The pin receiving slot on the unit should be placed downward and the open pin holes should face upward, as shown. Make sure each unit is level. Leveling the first course is critical for accurate and acceptable results. Minimum embedment of the base course should be 8" below grade.



STEP 5

#### Install Additional Courses.

Place the next course of Keystone 133Elite units over the fiberglass pins, fitting the pins into the receiving channel holes in the units above. Push the Keystone 133Elite units toward the face of the wall until they make full contact with the pins. In most structural applications, geogrid soil reinforcement materials will be required. Continue backfilling and building to desired top elevation.



STEP 3

#### Insert the Fiberglass Pins.

Place the fiberglass pins into the holes of the Keystone 133Elite units.



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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