

# Coventry® Garden Wall

**TOOLS:** Shovel, wheelbarrow, level, string line, hammer, tape measure, wooden stakes, dead blow hammer, chisel or splitter for cutting block.

## STEP 1: Calculate Wall Materials Needed

Determine the square footage of wall by multiplying length x height. Multiply the result by 3 to determine the number of Coventry Garden Wall units necessary to complete the project. See the wall calculator below.

## STEP 2: Prepare the Footing

Dig a trench 16" wide and 8" below grade. The height of the wall will determine the amount of Coventry Garden Wall to bury. As a rule of thumb, you will bury 1" of block for every 8" of exposed wall height. Add 4" for the depth of the base material. Make sure the soil is well compacted to prevent settling. Add a level, compacted layer of 3/4" modified stone as a footing.

## STEP 3: Install the Base Course

Use rectangular Coventry Garden Wall units for straight walls and tapered units for curved walls. For straight walls you may use tapered units underneath the top course as the "V" gaps will not be visible. Position Coventry Garden Wall side by side on the prepared base. Level the units from front to back and side to side with a dead blow hammer and level. Use a string line along the back of the block to verify straightness.

## STEP 4: Backfill the Units

Backfill 6" - 12" behind each layer of Coventry Garden Wall with 1/2" - 3/4" clean stone.

## STEP 5: Installing Additional Courses

Place the next course and additional courses of Coventry Garden Wall in such a fashion that each block bridges two units below (running bond pattern). For best results, set each course back 3/4". Backfill each course as the wall is being built. Maximum wall height for Coventry Garden Wall is 20", or 5 courses, under ideal conditions. Surcharges, soil that does not drain well, a slope behind the wall, or a nearby structure are all conditions that might reduce the maximum wall height.

## Additional Tips:

### Building 90° Corners

#### STEP 1: Create a Corner Block

Using a chisel or splitter, remove 3" - 4" from the end of a rectangular unit. This end should have the same rough "rockface" as the front.



Autum Blend Coventry Garden Wall

## STEP 2: Overlap the Corners To Create A Bond

Using corner pieces you have created, overlap the units to build your corner.

**Note:** Shortening block to create corners will cause your wall to go off bond. Make sure that seams between blocks on adjacent courses do not line up and that each block spans two below.

### Creating Circles

The minimum radius for the top course of Coventry Garden Wall is 22" (measured from the back of the block). Add 1" per course of block below the top layer to compensate for the setback. For example, with 4 layers of block, the radius at the bottom would be 25".

## Building Walls With Both Straight & Curved Sections

It's easy to build beautiful Coventry Garden Walls combining both curved and straight sections of wall. Since the layers below the top course won't be visible, you may use all tapered blocks.

Due to its 8" depth, Coventry Garden Wall does not accommodate creating steps as readily as some of our wall systems.

**NOTE:** These instructions are meant as a general guideline for walls under ideal conditions, and assuming no slopes or surcharges. Site-specific conditions may warrant additional installation requirements.

**CAUTION:** Dry sawing or grinding of concrete products may result in the release of respirable crystalline quartz. Prolonged exposure to respirable crystalline quartz may cause delayed (chronic) lung injury (silicosis). The use of a NIOSH - Approved respirator and tight fitting goggles is recommended when sawing or grinding operations are in progress.

## Coventry Garden Wall Calculator

		WALL LENGTH					
		5'	10'	15'	20'	25'	30'
W A L L	4" (1 course)	5	10	15	21	26	31
	8" (2 courses)	10	21	31	41	51	62
H E I G H T	12" (3 courses)	15	31	46	62	77	92
	16" (4 courses)	21	41	62	82	103	123
	20" (5 courses)	26	51	77	103	128	154

Straight Unit Size: 8"d x 4"h x 11 5/8"w Weight: Approx. 29 lbs.

Tapered Unit Size: 8"d x 4"h x 11 5/8"w, tapering to 9" in back Weight: Approx. 27 lbs.