

Wall System Installation

English Garden Wall™ & Nursery Stone®

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 English Garden Wall or Nursery Stone units necessary to complete the project. See the wall calculator to the right.

STEP 2: Prepare the Footing

Dig a trench 16" wide and 8" below grade. The height of the wall will determine the amount of English Garden Wall or Nursery Stone 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 English Garden Wall or Nursery Stone 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. Chip off the lip with a hammer to make it easier to level the first course. Set the English Garden Wall or Nursery Stone units with the lip down. Position units side by side on the prepared base. Level the units from front to back and side to side using 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 English Garden Wall or Nursery Stone with 1/2" -3/4" clean stone.

STEP 5: Installing Additional Courses

Place the next course and additional courses in such a fashion that each block bridges two units below (running bond pattern). Pull the units forward so that the lip rests against the back edge of the course underneath (your wall will step back 3/4" for every layer) to engage the lip.

Backfill each course as the wall is being built. Maximum wall height for English Garden Wall or Nursery Stone is 24", or 6 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:

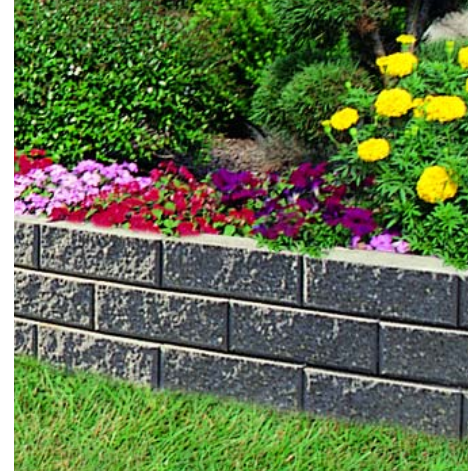
Building 90° Corners

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.



Gray Nursery Stone



Gray English Garden Wall

STEP 2: Overlap the Corners To Create A Bond

Using corner pieces you have created, overlap the units to build your corner. You may have to chip off a portion of the lip.

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 English Garden Wall and Nursery Stone 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 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 their 8" depth, English Garden Wall and Nursery Stone do 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.

English Garden Wall™ & Nursery Stone® Calculator

		WALL LENGTH					
		5'	10'	15'	20'	25'	30'
W A L L H E I G H T	4" (1 course)	5	10	15	21	26	31
	8" (2 courses)	10	21	31	41	51	62
	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
	24" (6 courses)	31	62	92	123	154	185

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.