

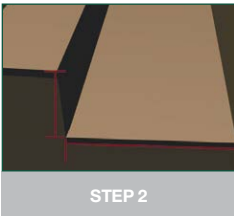
GARDEN/RETAINING WALL GENERAL INSTALLATION GUIDE

Please note that instructions below are to be used as a general guideline for segmented retaining wall installation. You may access detailed instructions at www.expocrete.com for the specific walls offered by Expocrete.



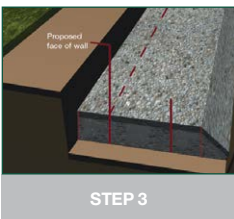
1. PLANNING

- Mark a line where the front of the wall will be placed, keeping in mind that some wall systems stack vertically and some will have a setback when stacked
- This setback may affect the position of the first row of block
- It is important to choose the right wall system for your project
- Some retaining wall projects may require engineering - be sure to consult a professional.



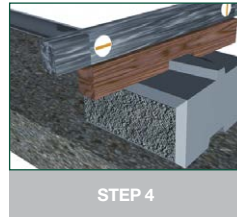
2. EXCAVATE

- Remove soil and excavate a trench to accommodate the granular base and first course of block
- The trench width (front to back) should be no less than twice the depth of the block being used
- This is to account for the drainage layer behind the wall. The trench depth assumes one unit is buried in addition to the depth of the granular base
- As wall height increases, depth of embedment also increases. The native foundation soil should be checked to make sure it is firm and capable of supporting the finished wall



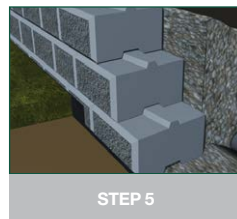
3. GRANULAR BASE

- Base should be started at the lowest wall elevation
- Base should be composed of well-graded, free-draining (less than 8% fines), angular gravel material, and compacted thoroughly
- The granular base should be the same depth as the block being used and twice the width (front to back) to account for the drainage layer behind the wall
- In some situations it may be necessary to step the base - this is when the grade in front of the wall slopes up or down, the base must be stepped to compensate



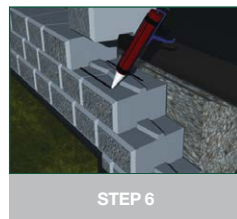
4. LAYING THE FIRST ROW

- Position a level string line to mark the location of the first course
- This can be determined by placing a block in the middle of the compacted granular base
- Extra care should be taken at this stage as it is critical for accurate alignment
- Ensure units are level front to back and left to right



5. STACK & BACKFILL

- Sweep tops of units to remove any debris and stack next course in a running bond pattern so that the middle of the unit is above the joint between adjacent blocks below
- Continue stacking courses to a maximum of four courses before backfilling



6. ADDING THE CAPS

- A layer of concrete adhesive must be applied to the top course in order to fix the coping units in place
- Place the coping unit firmly on top of the adhesive, ensuring both surfaces are free of debris, and apply pressure to secure
- Follow adhesive installation guidelines

7. FINISH GRADING

- Slope the surface above and below the wall to ensure water will flow away from and not accumulate near the wall units.

Proper Planning
Before digging, contact your local utility for location and depth of pipes, cables and conduits.