

Concrete Stone & Tile Corp.

VERSA-LOK® Installation Overview

Below is a brief summary of installations steps. This guide is for Versa-Lok Standard Retaining Wall Systems Only. For information on installing Versa-Lok Mosaic Systems please request the Mosaic Design & Installation Guide from your local dealer.

IMPORTANT: Walls that support heavy loads or exceed four feet in height require special soil reinforcement and often professionally engineered designs. Please consult a qualified engineer if unsure about any construction, site or soil conditions. Also be sure to check local building codes before wall construction or design.

Step 1 Leveling Pad Preparation



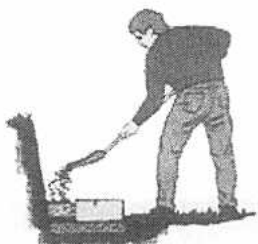
Versa-Lok walls should be placed on a leveling pad of compacted gravel, crushed stone or coarse sand about 6" thick and 24" wide. The first course of Versa-Lok® should be embedded below grade approximately 1/10th of the exposed wall height. Excavate to lines and grades you've established for the wall, allowing for the leveling pad and unit embedment.

Step 2 Install Base Course



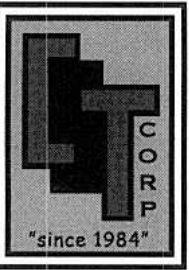
Place Versa-Lok units on prepared leveling pad. As you proceed, level each unit-front to back, side to side and with adjacent units. Leveling is critical at this stage, so take your time! Align straight wall sections using a string line or by sighting down the grooves on the top of each unit. If your wall has a corner, begin at corner and work out from there.

Step 3 Backfill

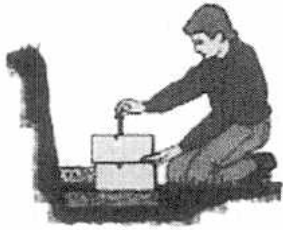


Fill in and compact native soil behind, and in front of the wall. Next, place and compact 12" of drainage aggregate behind the units.

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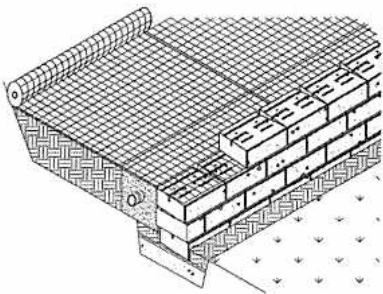


Step 4 Installing Successive Courses



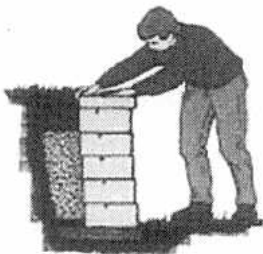
Stack one course at a time. Set units back 3/4". Insert two pins in the front holes of units so they fall into the rear slots of the units beneath. Tap pins down with a pin and mallet. Place and compact drainage aggregate behind each course as it is completed.

Step 5 Geosynthetic Soil Reinforcement



If your wall is higher than four feet or shoulders significant loads, you will need to install geosynthetic soil reinforcement. As each course is laid, place soil reinforcement horizontally on top of compacted backfill about one inch from the front of the Versa-Lok® units.

Step 6 Installing Caps



Complete your wall by placing Versa-Lok® cap units on the top course. Install caps with a slight overhang (recommended), set back or flush with the wall face. Use Versa-Lok® Concrete Adhesive to secure the cap units to the wall.

Maximum height for an unreinforced Versa-Lok® wall is four feet. Individual site, soil and loading conditions (including terraces) may limit unreinforced wall height to less than four feet. Taller walls require geosynthetic soil reinforcement and engineering assistance. For information on engineered preliminary designs, please contact your local dealer or your CST representative.

Contact: www.versa-lok.com for more information