



VERSA-LOK®

Retaining Wall Systems

Solid Solutions.™

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Made worldwide under license from VERSA-LOK® Retaining Wall Systems.
 U.S. Patent D319,885, U.S. Patent D321,060, U.S. Patent D341,215,
 U.S. Patent D346,667, U.S. Patent D378,702, U.S. Patent D391,376,
 U.S. Patent D430,680, D435,302, D439,678 and other U.S. patents pending;
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INSTALLATION STEPS

The following information will provide you with a general understanding of retaining wall construction. If you are building your own VERSA-LOK® wall, request a free copy of our Design & Installation Guidelines from your local supplier or visit www.versa-lok.com.

STEP 1 - LEVELING PAD PREPARATION



Prepare a leveling pad of well-compacted crushed stone, gravel or coarse sand approximately 6" thick and 24" wide. The first course of VERSA-LOK units should be embedded below grade approximately 1/10 of exposed wall height.

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 the corner and work out from there.

STEP 3 - BACKFILL



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

STEP 4 - INSTALLING SUCCESSIVE COURSES



Stack one course at a time. Set units back 3/4". Insert two pins in 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.

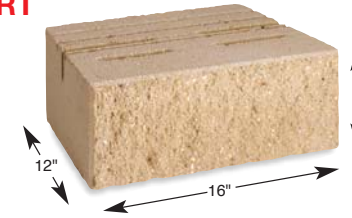
STEP 5 - INSTALLING CAPS



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 cap units to wall.

VERSA-LOK® UNIT ESTIMATING CHART

This chart is designed to help estimate the number of VERSA-LOK Standard units you'll need for your specific project.



Wall Height	Wall Length					
	5'	10'	15'	20'	25'	30'
6" (1 course)	4	8	12	15	19	23
12" (2 courses)	8	15	24	30	38	45
18" (3 courses)	12	23	36	45	57	68
24" (4 courses)	16	30	48	60	76	90
30" (5 courses)	20	38	60	75	95	113
36" (6 courses)	24	45	72	90	114	135
42" (7 courses)	28	53	84	105	133	158
48" (8 courses)	32	60	96	120	152	180



A Cap



B Cap

Matching cap units are available to attractively finish your VERSA-LOK wall. Caps come in two styles—A and B. Both cap styles are 3-5/8" tall and 14" wide at the face, but their sides are tapered differently. Alternate A and B caps for straight walls. Use A caps for outside curves and B caps for inside curves.

IMPORTANT NOTICE: 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. Please contact your local supplier or VERSA-LOK representative if unsure about any site, soil, height or local construction requirements.

Retaining Wall Guide




VERSA-LOK®

Retaining Wall Systems

Solid Solutions.™

As a homeowner, you're looking for a retaining wall that's durable. Easy to install. Design friendly. And virtually maintenance free. But more importantly, you want a wall with a solid reputation. Look no further. VERSA-LOK® Retaining Wall Systems are the only solid, pinned systems on the market.

**ONE SOLID UNIT.
LIMITLESS DESIGN OPTIONS.**

Solid unit construction has all sorts of advantages. Design freedom is right at the top of the list. Unlike hollow unit systems, solid systems allow you freedom to create everything from curves and corners to steps and freestanding walls with just one unit. No custom blocks. No special sizes.

UNRIVALED SOLID-UNIT DURABILITY.

Engineered with high-strength, low-absorption concrete, VERSA-LOK units deliver rugged, long-lasting durability. And they're 100% solid, so there are no hollow cores to fill—saving you valuable time and costly materials.

EASY, PINNED INSTALLATION.

Building your own VERSA-LOK retaining wall is easy thanks to top-down pinning. Simply insert high-strength, fiberglass VERSA-TUFF® Pins into the holes of uppermost units and tap down into the slots of lower-course units to ensure uniform alignment and structural integrity.

VIRTUALLY MAINTENANCE FREE.

VERSA-LOK walls require almost no upkeep. So you can spend more time working in your yard or garden. Mortarless construction allows walls to remain flexible during freeze/thaw cycles—ensuring long-lasting performance against harsh elements.



**BUILDING CURVES,
CORNERS AND STEPS**

CURVES



Build curves by increasing or decreasing the space between the back sides of adjacent units. Keep in mind, the minimum radius is 8' for outside curves and 6' for inside curves.



CORNERS



Create an unlimited variety of inside and outside corners with just one VERSA-LOK® unit.

Unlike hollow blocks, solid units can be cut or

split at almost any



angle—eliminating the need for special or custom sized units.

STEPS

Build steps using VERSA-LOK Standard units as the risers and VERSA-LOK Caps as treads.



For more information on these and other design options including freestanding walls and columns, contact your local dealer or go to www.versa-lok.com and download one of our technical bulletins or Design & Installation Guidelines.