

REVELA

Concrete Slab

UNILOCK®



Installation Guide

VB
VAN BEEK'S
LANDSCAPE SUPPLY

www.vanbeeks.com

APPLICATIONS

Note: Not all sizes are suitable for every application. Contact Unilock Representative for assistance.



Light Duty Vehicular



Residential & Commercial Pedestrian

Walkway, Patio, Terrace, PoolDeck, Entryway, Courtyard, RoofDeck, Plaza, Park, Sidewalk



Pedestal or Overlay

RoofDeck, DeckOverlay

COLORS

METALLIC GREY FINISH: REVELA



SLAB

540mm x 900mm x 60mm
21 1/4" x 35 1/2" x 2 3/8"

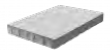
SAVANNAH FINISH: REVELA



SLAB

540mm x 900mm x 60mm
21 1/4" x 35 1/2" x 2 3/8"

FROST FINISH: REVELA




SLAB


540mm x 900mm x 60mm
21 1/4" x 35 1/2" x 2 3/8"

APPLICATIONS

Note: Not all sizes are suitable for every application. Contact Unilock Representative for assistance.



Light Duty Vehicular
Commercial Pedestrian



Residential & Commercial Pedestrian
Walkway, Patio, Terrace, Pool Deck, Entryway,
Courtyard, Roof Deck, Plaza, Park, Sidewalk

COLORS

METALLIC GREY FINISH: REVELA



LARGE RECTANGLE
360mm x 540mm x 80mm
14 1/4" x 21 1/4" x 3 1/8"



SQUARE
360mm x 360mm x 80mm
14 1/4" x 14 1/4" x 3 1/8"



SMALL RECTANGLE
180mm x 360mm x 80mm
7" x 14 1/4" x 3 1/8"

SAVANNAH FINISH: REVELA



LARGE RECTANGLE
360mm x 540mm x 80mm
14 1/4" x 21 1/4" x 3 1/8"

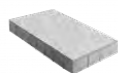
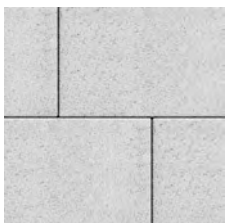


SQUARE
360mm x 360mm x 80mm
14 1/4" x 14 1/4" x 3 1/8"



SMALL RECTANGLE
180mm x 360mm x 80mm
7" x 14 1/4" x 3 1/8"

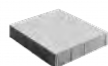
FROST FINISH: REVELA



LARGE RECTANGLE
360mm x 540mm x 80mm
14 1/4" x 21 1/4" x 3 1/8"



SMALL RECTANGLE
180mm x 360mm x 80mm
7" x 14 1/4" x 3 1/8"



SQUARE
360mm x 360mm x 80mm
14 1/4" x 14 1/4" x 3 1/8"

APPLICATIONS

Note: Not all sizes are suitable for every application. Contact Unilock Representative for assistance.



Light Duty Vehicular
Residential Driveway



Residential & Commercial Pedestrian
Walkway, Patio, Terrace, PoolDeck, Entryway,
Courtyard, RoofDeck, Plaza, Park



Pedestal or Overlay



Commercial Vehicular



Residential Driveway

COLORS

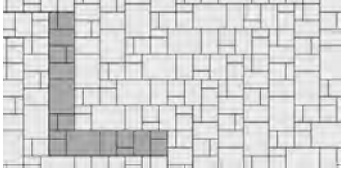
METALLIC GREY
FINISH: REVELA



4"X12"
100mm x 300mm x 100mm
3 7/8" x 11 7/8" x 3 7/8"

JOINT SPACING = 7MM

LAYING PATTERNS



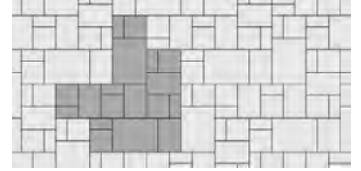
LP REVELASLAB MULTI UNIT
RANDOM E



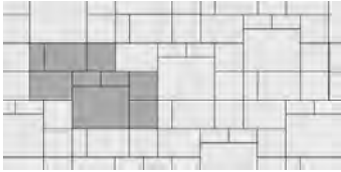
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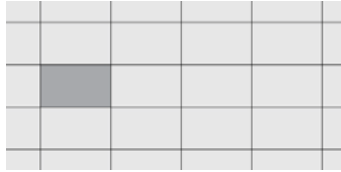
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RANDOM C



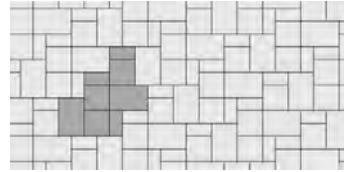
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RANDOM F



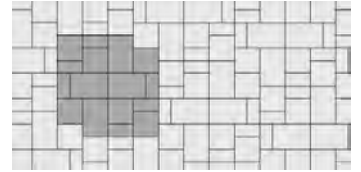
LP REVELASLAB MULTI UNIT
RANDOM D



LP REVELASLAB 21X35 SB B



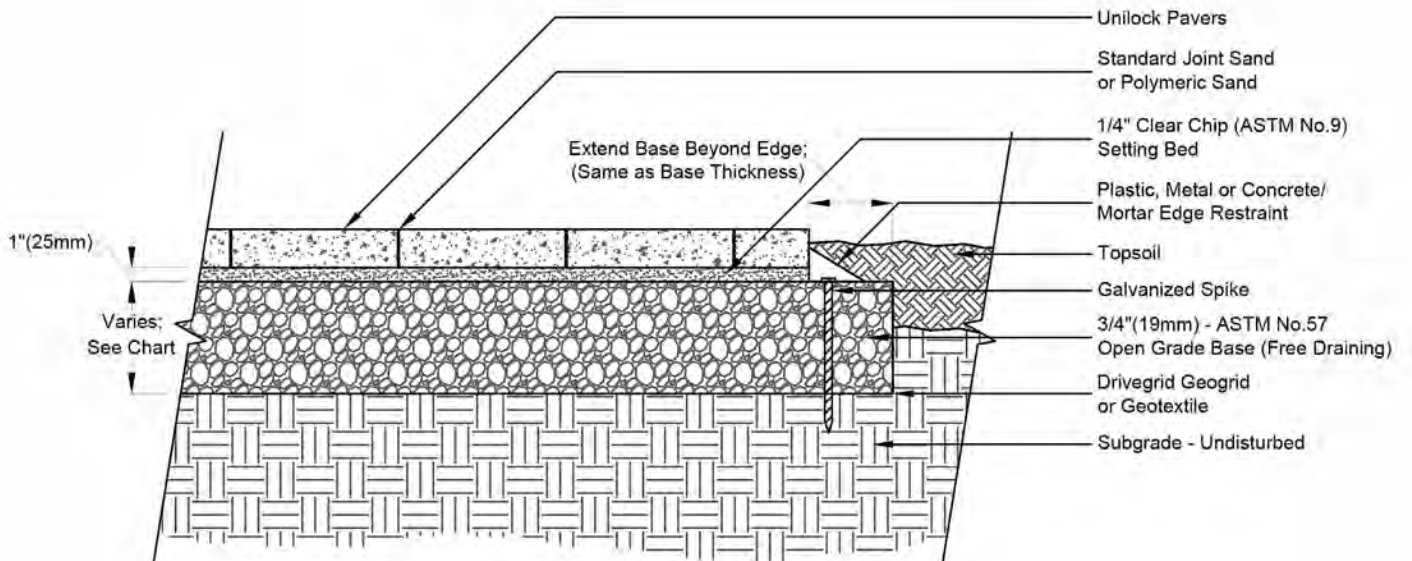
LP REVELASLAB FIXED RANDOM
H



LP REVELASLAB FIXED RANDOM I

TYPICAL CROSS SECTION

Note: Base, screed bed, infill aggregates and or reinforcements may vary based on project requirements or as specified by engineer.



Residential Use	Minimum Base Thickness
Walkway or Patio	6" (150mm) - 8" (200mm)
Driveway	8" (200mm) - 12" (300mm)
Other	Contact Unilock

PACKAGING

	(80) RANDOM RANDOM BUNDLE	SLAB	4"X12"
UNIT THICKNESS (MM)	80	60	100
LAYERS PER BUNDLE	7	6	5
SQ FT PER BUNDLE	73.22	62.76	53.13
SQ FT PER LAYER	10.46	10.46	10.63
SQ FT PER UNIT	5.23	0.30	-
UNITS PER BUNDLE	12	180	-
UNITS PER LAYER	2	36	-
LIN FT PER BUNDLE - SOLDIER	21.24	-	-
LIN FT PER LAYER - SOLDIER	3.54	-	-
LIN FT PER UNIT - SOLDIER	1.77	-	-
LIN FT PER BUNDLE - SAILOR	62.01	35.46	-
LIN FT PER LAYER - SAILOR	8.86	5.91	-
LBS PER BUNDLE	2,679.34	1,722.45	2,658.87
LBS PER LAYER	382.76	287.08	531.77
LBS PER UNIT	143.54	14.77	-

INSTALLATION NOTES

REVELA™

Application – Light duty pedestrian walkways, patios and pool decks.

Recommended Base Stabilization – one layer of DriveGrid™ stabilization grid between subgrade and base material. Recommended depth 8" to 10" below pavers for maximum stability and performance. Use under Standard Base or Permeable Base.

Standard Base – Min. 6" – 8" of ¾" Crusher Run gravel (any road base standard in accordance with ASTM-D2940) compacted to 98% Standard Proctor Density (SPD).

Standard Bedding Course – 1" thick of coarse sand – in accordance with ASTM-D2940 screeded over base.

Alternative Permeable Base – Min. 6" – 8" of ¾" clear open-graded stone compacted to achieve full particle lock-up and consolidation. (Clear open-graded does not compact but does consolidate slightly by rattling the particles together.)

Alternative Permeable Bedding Course – 1" thick of ¼" clear open-graded chip stone – (ASTM No. 8) screeded over base.

Concrete Direct Overlay – In some areas of the country and for some applications pavers are very successfully placed directly over concrete. Revela is a large format paver and must not be used in vehicular applications. It should never be installed over concrete that is unstable or of sub-par quality. The following considerations must be taken into account to insure that the concrete below the surface is ideal:

1. Concrete integrity – concrete must be in good condition, and not crumbling
2. Drainage slope – concrete below must be sloped away from all buildings and structure
3. Drainage holes – In lowest areas of the concrete, drill 1" holes in concrete (on 12" centers) and fill holes with ¼" chip (ASTM No. 8)
4. Base drainage – the area below the concrete must not be subject to frost movement
5. Surface – surface must be totally smooth and flat equivalent to the desired finished surface
6. Waterproofing – may be required when installing pavers over concrete where there is a basement or cold cellar below. Install an impervious rubber membrane over the surface prior to installing any pavers over the surface.
7. Jointing Sand – Use an impervious polymeric sand when installing over concrete

Jointing Material and Joint Stabilization

All sands must meet ASTM C144 or C33 Specifications. For best appearance and optimal performance, keep jointing materials approximately ½" below the chamfer (bevel edge) of the paver.

Good Option: Ordinary sharp jointing sand in accordance with ASTM C144 or C33. (Common name: Concrete Sand)

Best Option: Any polymeric sand or ordinary concrete sand stabilized by a water-based or solvent-based joint sand stabilizer sealer. Always follow manufacturer's application specifications and requirements.

Handling – Due to the size and weight of Revela, a mechanical lifting tool or machine should be used to handle and place units. Do not knock units together while transporting or installing which could result in chipped edges or corners.

Edge Restraint – Always install an edge restraint around the perimeter of any paver installation not restrained by building structures. Spike-in edge restraints come in plastic and metal and work well for most applications. A concrete curb or a sub-surface concrete wedge can also be installed to retain the edge.

Paver Compaction – Always use a protective polymer pad on the bottom of your compactor when doing the final compaction of the pavers. An alternative is to use a rubber-roller compactor for the final compaction.

NOTE: Do not compact pavers that have been installed in direct concrete overlay applications.

Cleaners – Any cleaner specifically designed for pavers may be used for color restoration or general cleaning. Follow manufacturer's dilution rates and application procedures. Always test a small area to make sure the results are as expected.

Sealers

- Product may be sealed for aesthetic or cleanliness reasons but it is not required

- Use any sealer approved for concrete pavers
- Select type for desired aesthetics
- Product must be cleaned before sealing
- Always read and follow manufacturer's application procedures
- Always test a small area to make sure the results are as expected

The Americans with Disabilities Act Accessibility Guidelines (ADAAG) provides measurable criteria to determine compliance, not individual product evaluation. Gaps, joints or openings, greater than ½" horizontal and ¼" vertical should be avoided as they can disrupt wheelchair maneuvering (United States Access Board – Guidelines and Standards).

The logo for UNILOCK, featuring the word "UNILOCK" in a bold, red, sans-serif font. The letter "U" is stylized with a white diagonal bar.