

# NORTHSHORE

Concrete Paver

**UNILOCK**




## Installation Guide

**VB**  
VAN BEEK'S  
LANDSCAPE SUPPLY


[www.vanbeeks.com](http://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



**Residential Driveway**



**Commercial Vehicular**  
Roadway, Streetscape, VehicularEntranceway, ParkingLot

## COLORS

### FOSSIL FINISH: FLAGSTONE



**12"X18"**  
300mm x 450mm x 70mm  
11 7/8" x 17 3/4" x 2 3/4"



**12"X12"**  
300mm x 300mm x 70mm  
11 7/8" x 11 7/8" x 2 3/4"



**6"X12"**  
150mm x 300mm x 70mm  
5 7/8" x 11 7/8" x 2 3/4"

### GRANITE MIST FINISH: FLAGSTONE



**12"X12"**  
300mm x 300mm x 70mm  
11 7/8" x 11 7/8" x 2 3/4"

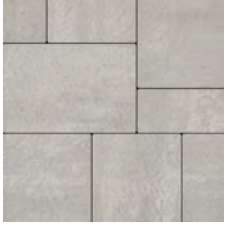


**12"X18"**  
300mm x 450mm x 70mm  
11 7/8" x 17 3/4" x 2 3/4"



**6"X12"**  
150mm x 300mm x 70mm  
5 7/8" x 11 7/8" x 2 3/4"

**STERLING  
FINISH: FLAGSTONE**



**12"X12"**  
300mm x 300mm x 70mm  
11 7/8" x 11 7/8" x 2 3/4"



**12"X18"**  
300mm x 450mm x 70mm  
11 7/8" x 17 3/4" x 2 3/4"



**6"X12"**  
150mm x 300mm x 70mm  
5 7/8" x 11 7/8" x 2 3/4"

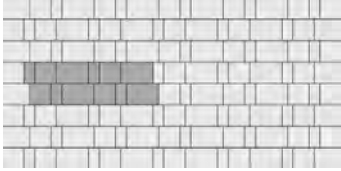
**DARK CHARCOAL  
FINISH: FLAGSTONE**



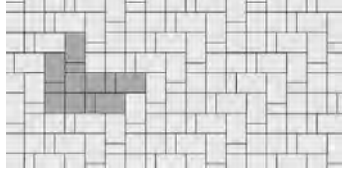
**6"X12"**  
150mm x 300mm x 70mm  
5 7/8" x 11 7/8" x 2 3/4"

JOINT SPACING = 4MM

## LAYING PATTERNS



LP NORTHSHORE FIXED RANDOM D



LP NORTHSHORE FIXED RANDOM C



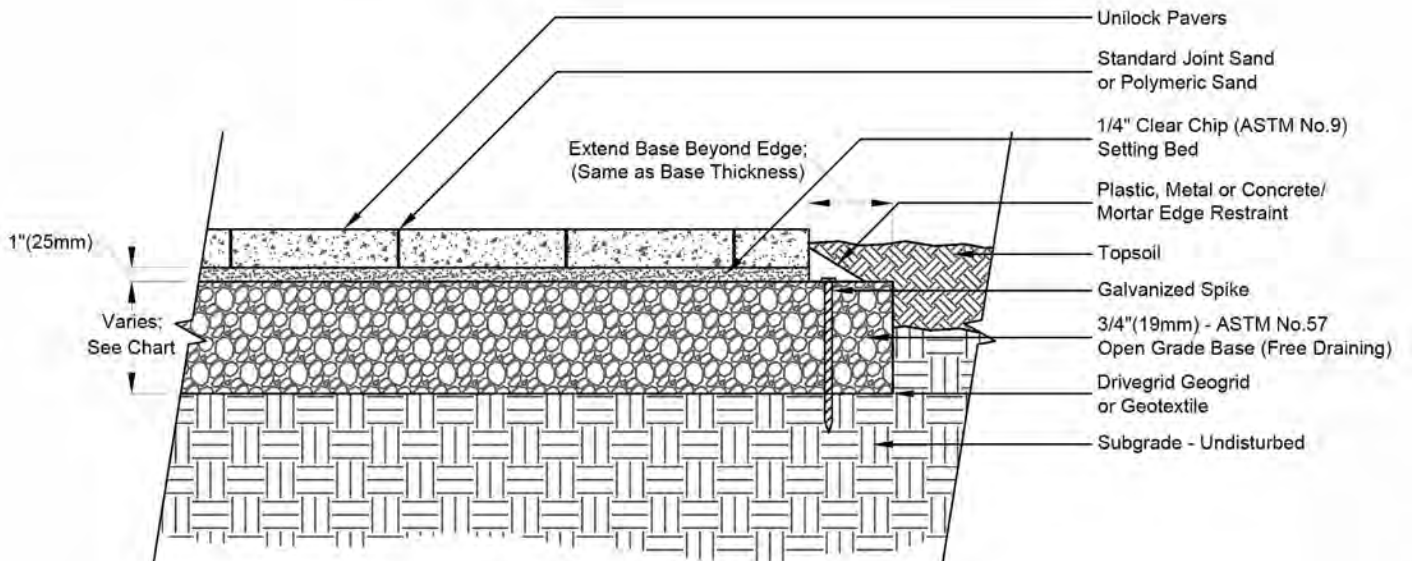
LP NORTHSHORE FIXED RANDOM B

## PACKAGING

	(70) RANDOM RANDOM BUNDLE	6"X12"
UNIT THICKNESS (MM)	70	70
LAYERS PER BUNDLE	8	8
SQ FT PER BUNDLE	93	77.52
SQ FT PER LAYER	11.63	9.69
SQ FT PER UNIT	0.97	0.48
UNITS PER BUNDLE	96	160
UNITS PER LAYER	12	20
LIN FT PER BUNDLE - SOLDIER	78.74	-
LIN FT PER LAYER - SOLDIER	9.84	-
LIN FT PER UNIT - SOLDIER	0.49	-
LIN FT PER BUNDLE - SAILOR	94.49	157.48
LIN FT PER LAYER - SAILOR	11.81	19.69
LBS PER BUNDLE	2,978.63	2,549.84
LBS PER LAYER	372.33	318.73
LBS PER UNIT	31.03	15.94

**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

## INSTALLATION NOTES

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### Northshore™

Application – Residential driveways, 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" crushed gravel in accordance with ASTM-D2940 and compacted to 98% Standard Proctor Density (SPD).

Standard Bedding Course – 1" thick of coarse sand– in accordance with ASTM-D2940 screeded over Standard 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 1/4" clear open-graded chip stone – (ASTM No. 8) screeded over Permeable Base.

Special Note: Concrete Direct Overlay – In some areas of the country and in some applications pavers are very successfully placed directly over concrete. Northshore™ is a medium format random paver that can be installed over concrete but this method should not be used for vehicular applications. It should never be installed over concrete that 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 structures
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 1/8" 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 – A mechanical lifting tool or machine should be used to handle and place units whenever possible. 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 or concrete curbs. 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 - Northshore™ is manufactured with SoftTouch™ Technology which provides a premium look and feel to the surface. Always use a protective polymer pad on the bottom of your compactor when doing the final compaction of the pavers.

NOTE:

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