

# COPTHORNE

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.

### Borders and Accents



### Light Duty Vehicular

Residential Driveway, Commercial Pedestrian



### Residential & Commercial Pedestrian

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



### Residential Driveway



## COLORS

### BURGUNDY RED FINISH: ELEGANCE - REALA



#### STANDARD

65mm x 200mm x 60mm  
2 5/8" x 7 7/8" x 2 3/8"

### BASALT FINISH: ELEGANCE - REALA



#### STANDARD

65mm x 200mm x 60mm  
2 5/8" x 7 7/8" x 2 3/8"

### OLD OAK FINISH: ELEGANCE - REALA



#### STANDARD

65mm x 200mm x 60mm  
2 5/8" x 7 7/8" x 2 3/8"

**BURNT CLAY**  
**FINISH: ELEGANCE -**  
**REALA**



**STANDARD**  
65mm x 200mm x 60mm  
2 5/8" x 7 7/8" x 2 3/8"

**STEEL BLUE**  
**FINISH: ELEGANCE -**  
**REALA**



**STANDARD**  
65mm x 200mm x 60mm  
2 5/8" x 7 7/8" x 2 3/8"

**ARCTIC GREY**  
**SRI = 57**  
**FINISH: ELEGANCE -**  
**REALA**



**STANDARD**  
65mm x 200mm x 60mm  
2 5/8" x 7 7/8" x 2 3/8"

**3 COLOR BLEND**  
**(BLENDED ON SITE)**  
**SRI = 57**  
**FINISH: ELEGANCE -**  
**REALA**



**STANDARD**  
65mm x 200mm x 60mm  
2 5/8" x 7 7/8" x 2 3/8"

**GREY 3 COLOR BLEND**  
**(BLENDED ON SITE)**  
**SRI = 57**  
**FINISH: ELEGANCE -**  
**REALA**

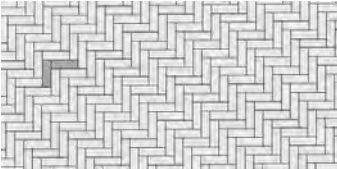


**STANDARD**  
65mm x 200mm x 60mm  
2 5/8" x 7 7/8" x 2 3/8"

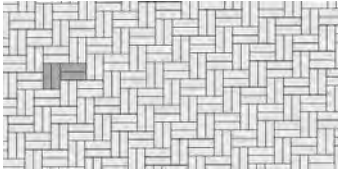


JOINT SPACING = 3MM

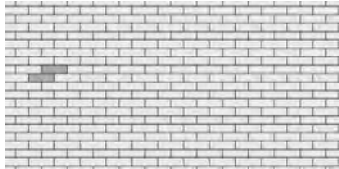
LAYING PATTERNS



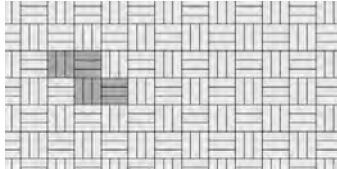
LP COPTHORNE HB B



LP COPTHORNE DHB D



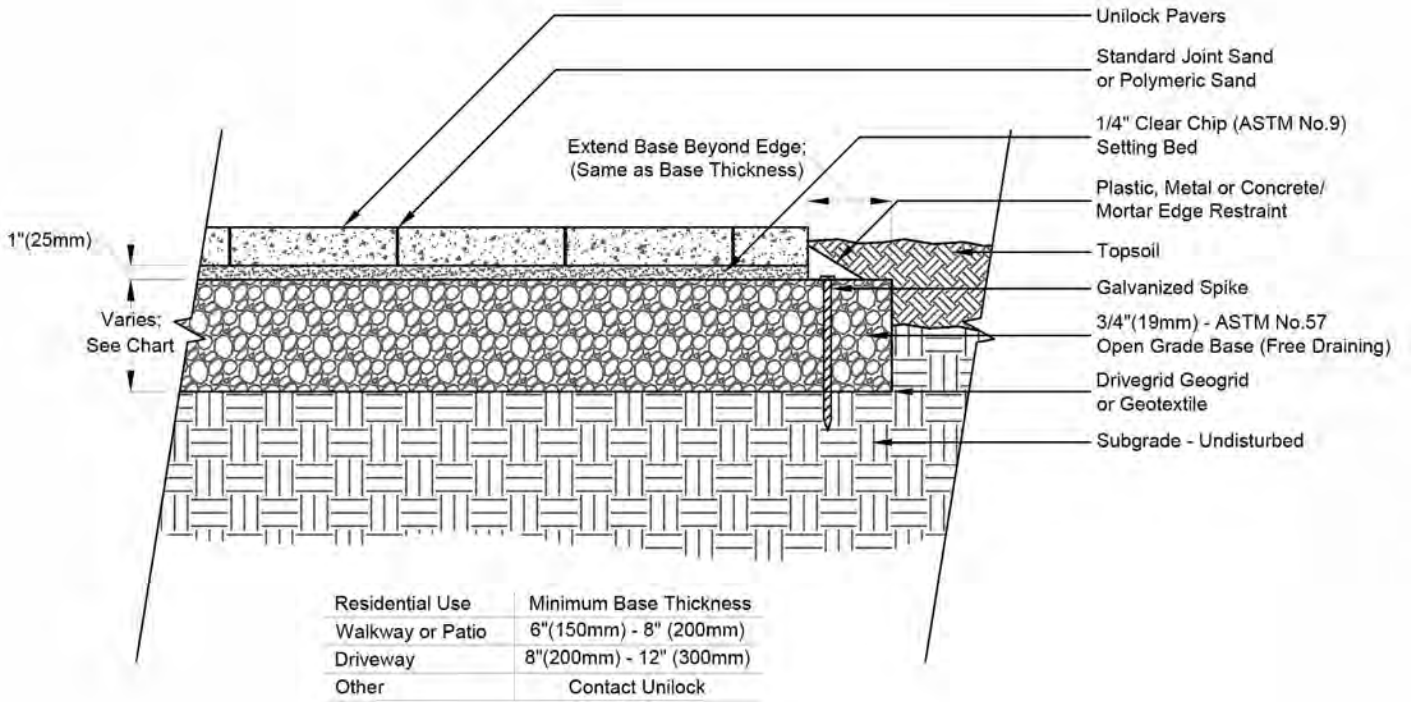
LP COPTHORNE RB C



LP COPTHORNE BW A

**TYPICAL CROSS SECTION**

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



**PACKAGING**

|                             | STANDARD |
|-----------------------------|----------|
| UNIT THICKNESS (MM)         | 60       |
| LAYERS PER BUNDLE           | 8        |
| SQ FT PER BUNDLE            | 89.20    |
| SQ FT PER LAYER             | 11.15    |
| SQ FT PER UNIT              | 0.15     |
| UNITS PER BUNDLE            | 600      |
| UNITS PER LAYER             | 75       |
| LIN FT PER BUNDLE - SOLDIER | 127.95   |
| LIN FT PER LAYER - SOLDIER  | 15.99    |
| LIN FT PER UNIT - SOLDIER   | 0.21     |
| LIN FT PER BUNDLE - SAILOR  | 393.70   |
| LIN FT PER LAYER - SAILOR   | 49.21    |
| LBS PER BUNDLE              | 2,349    |
| LBS PER LAYER               | 293.63   |
| LBS PER UNIT                | 3.92     |

# Installation Notes

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## COPTHORNE®

The surface of each Copthorne paver is uniquely cast using Realta™ Technology to capture the feel of Europe's oldest brick streets. Made with Ultima™ Concrete Technology, you not only get that bygone look and feel, but with the assurance that Copthorne can be used in the most demanding of applications.

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 1/4" clear open-graded chip stone – (ASTM No. 8) screeded over base.

Special Note: Concrete Direct Overlay – In some areas of the country and in some applications pavers are very successfully placed directly over concrete. Concrete as a base is in itself quite strong, but it can affect the structural integrity of the paver particularly in vehicular applications, where the concrete below is sub-par. 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 – This product has no special handling requirements.

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.

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