



## **VERLAYO<sup>®</sup> Supplemental Installation Instructions – Non-adhered**

**1. VERLAYO<sup>®</sup>** describes a product that is meant to be installed on top of existing hardscape, such as concrete, asphalt, wood, stone, linoleum, etc. and used as an overlay as opposed to Rubbersidewalks<sup>™</sup> product which is installed on top of native soil and base.

**2.** The highest quality materials and workmanship is used in the manufacture of **VERLAYO<sup>®</sup>** and quality control is exercised in the manufacturing process. However, it is the installer's responsibility to confirm the accuracy of the order and to ensure the materials are checked for damage, defects, and color match. **TERRECON, Inc.** or a **TERRECON** representative must be notified of any problems before installation proceeds.

**3. TERRECON, Inc.** does not accept responsibility for product loss or damage caused by handling or working conditions outside our control.

**4. VERLAYO<sup>®</sup>** is typically adhered to the base surface with a bonding agent and the material and protocol is described in **VERLAYO<sup>®</sup>** Installation Instructions.

**5.** On occasion **VERLAYO<sup>®</sup>** can be installed without being adhered to the base. This allows for the product to be periodically lifted and the base washed down, or even relocated.

**6.** When **VERLAYO<sup>®</sup>** is installed without being adhered the application may require interlocking the pavers by placing recycled plastic dowels into dowel holes. In the case of **VERLAYO<sup>®</sup>** in 1.875" (54 pounds) the choice is optional, as the pavers will not be inclined to move or slip due to their weight. If the installation is contained by walls or barriers, the pavers will not be inclined to move or be dislodged. However, doweling the pavers is an added safety feature.

### **7. Surface Preparations**

**7a.** Even when **VERLAYO<sup>®</sup>** is being installed without being adhered some basic preparation rules still apply for best results.

**7b.** All subfloors or bonding surfaces must be clean, dry and free of grease, oil, silicone containing damp proofing treatment, or other contamination. Masonry, or asphalt surfaces, that have been used for traffic should be power washed and allowed to dry before installation. Surfaces should be reasonably flat and free of irregularities greater than forty mills. The surface must be free of all dust, loose particles, solvents, paint, grease, oil, wax, alkali, sealing/curing compounds, old adhesive, and any other foreign material. Damaged surfaces should be filled and smoothed with appropriate repair material. BARR FP may be used for minor repair of irregularities when tooled to a smooth surface. A twenty four hour cure time must be allowed before installing **VERLAYO<sup>®</sup>**.

### **8. Concrete or asphalt subfloors or bases**

#### **8a. Industry Standards**

New Concrete subfloors or bases must be constructed according to the American Concrete Institute's ACI 302.1 R-96 "Guide for Concrete; Floor and Slab Construction". All slabs must be installed on grade according to industry standards.

**8b.** Concrete or asphalt base must be equipped with proper drainage systems as required.

TERRECON, Inc.

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**8c.** Concrete floors equipped with a radiant heating system: Turn the heat down to 65°F for at least 48 hours before installation. Heat may be returned to operating temperature 48 hours after installation. Temperature should not exceed 85°F.

## 9. Laying pavers

**9a.** Determine design style. Calculate measurements from retaining walls or other established borders and boundaries. Cutting of pavers may be required.

**9b.** Connect two pairs at a time

- Using dowels (gray or black), put two pavers together placing dowels into the dowel holes provided to create one horizontal pair (4' wide or 5' wide depending on site). You must make pairs first, then attach to next set of pairs, etc.
- Insert dowels into remaining face of each pair (4 dowels).
- Put second pair together, then slide onto first pair. Mallet or hammer to tighten seam. Tighten seams as you go. (Occasionally dowel holes need to be worked, or cleared out.)
- Joined pavers can be lifted and bent and dowel-fit into next paver but some cold joints (no dowels) will be required.
- Continue along site



## 9c. Seams

Leave seams open (no caulking or fill)

## 10. Cleaning Instructions

**10a. TERRECON, Inc.** does not recommend the use of antimicrobial and antifungal additives, as they may have components that should not be ingested by animals. **VERLAYO**<sup>®</sup> can be cleaned with a diluted mixture of any non-toxic cleaning agent. (We recommend Simple Green.) Periodically it may be advised to wash and then disconnect the pavers in order to clean the concrete or asphalt base. The base can be washed with a diluted mixture of chlorine bleach. Once fully dry, the pavers may be re-installed.

Contact **TERRECON, Inc.** at 714 964 1400 with any questions.

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VERLAYO® are high-density paving tiles made with recycled California tire crumbed rubber combined with polyurethane binder and colorant, then molded with heat under compression. This produces a strong and durable mat that can be used to retro-fit existing concrete or hardscape, providing a safe, ADA compliant and comfortable surface. VERLAYO® are ideal for safety surfacing, restoration, Industrial Chic design, and both indoor and outdoor applications. VERLAYO® are available in various sizes and colors. Expected life is minimum seven years.



<b>Description and Features</b>													
<b>Materials</b>	100% California recycled tire crumb rubber, polyurethane resin bound under heated compression												
<b>Colors</b>	Black, gray, terra cotta, brown, green. Custom colors on request												
<b>Sides</b>	1/8" radius beveled edges; reversible												
<b>Sizes &amp; Weights</b>	<table border="0"> <tr> <td>2' x 2' x .5"</td> <td>9.5 lbs.</td> <td>2.38 lbs/sf</td> </tr> <tr> <td>2' x 2' x .75"</td> <td>15 lbs</td> <td>3.75 lbs/sf</td> </tr> <tr> <td>2' x 2' x 1"</td> <td>21 lbs</td> <td>5.25 lbs/sf</td> </tr> <tr> <td>2' x 2' x 1.5"</td> <td>31 lbs</td> <td>7.75 lbs/sf</td> </tr> </table>	2' x 2' x .5"	9.5 lbs.	2.38 lbs/sf	2' x 2' x .75"	15 lbs	3.75 lbs/sf	2' x 2' x 1"	21 lbs	5.25 lbs/sf	2' x 2' x 1.5"	31 lbs	7.75 lbs/sf
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<b>Installation</b>	Placed directly on hardscape; butted edges. Adhesive needed.												
<b>Weight Load</b>	3000 lbs/sq in												
<b>Maintenance</b>	Same as any flooring												
<b>Warranty</b>	3 years materials												
<b>Density</b>	ASTM D3676 68.3 lbs./cubic foot												
<b>Hardness</b>	Shore 72 ±5												
<b>Slip Resistance</b>	ASTM C 1028: 0.90 dry; 0.65 wet												
<b>Abrasion</b>	ASTM C 501: 270 (indicates high resistance to wear)												
<b>Flammability</b>	ASTM E162: Index 131.18 at average temperature of 157.7 C (Surface flammability ANSI Z124.1 and Z124.1 allows Index of 450 or less) If exposed to open, constant fire, pavers are likely to smolder. Lit cigarettes, cigars or matches can burn on paver until they self-extinguish.												
<b>Porosity</b>	100% porous at seams												
<b>Freeze-Thaw</b>	ASTM C 1026: Product exposed to 15 cycles of freeze-thaw at 0 Degrees for 90 days. No change. No facial defects. No signs of crazing, chipping, spalling or cracking. Product frozen at 0 degrees was subjected to impact with no change.												
<b>Acoustics</b>	Dampens noise and sounds.												
<b>Chemicals</b>	ASTM B117: No change in surface; no stain or residue for salt, chlorine or magnesium chloride												
<b>VOCs</b>	No measurable units												

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