

Guide Specification
Section 321460 Paver Stands and Specialties
Section 07760 Roof Pavers

VersiJack Deck & Paver Pedestals

1.0 GENERAL

1.1 WORK INCLUDED

- A. Provision of complete, pre-engineered deck & paver pedestals.

1.2 RELATED WORK

- A. Section 033000 Cast-in-Place concrete
- B. Section 042200 Concrete Masonry Units
- C. Section 044100 Dry-Placed Stone, US, Mexican & Canadian Quarries
- D. Section 061520 Composite Synthetic & Other Decking
- F. Section 075000 Membrane Roofing
- G. Section 077200 Roof Accessories
- G. Section 077600 Roof Pavers
- H. Section 096900 Access Flooring
- I. Section 321400 Unit Pavers

1.3 SUBMITTALS

- A. Product Data: Manufacturer's standard catalog cut sheets, including storage, handling and installation instructions.
- B. Shop Drawings: Contractor to submit shop drawings indicating the paver size, pattern and grid layout, starting point and finished elevation as endorsed by the manufacturer or its approved representative.

1.4 DELIVERY, STORAGE AND HANDLING

- A. Inspect pedestals after delivery for signs of damage during transit.
- B. Protect pedestals and their boxes from damage during storage and handling.
- C. Store pedestals out of harm's way, in their original packaging.

1.5 PROJECT CONDITIONS

- A. Contractor to provide adequate structural support for pedestals. Surfaces to receive pedestals shall have at least a wood float finish, and be clean and free of debris that will impair performance of pedestals. Concrete substrate must be cured for a minimum of 28 days and dried.
- B. Surfaces supported by pedestals are designed for pedestrian traffic only. Other heavy architectural elements require additional support. Surfaces must be bounded by blocking or walls, whether on rooftops or on grade.
- C. Roof surfaces covered by insulation (either on top of or integrated into the roofing membrane) must have a minimum of 40psi bearing capacity.
- D. On grade surfaces should be compacted, and have adequate drainage.

2.0 PRODUCTS

2.1 ACCEPTABLE PRODUCTS/MANUFACTURERS

A. VersiJack high strength, height-adjustable and indexing slope-compensating pedestals and accessories provided by Tournesol Siteworks, 30955 San Antonio Rd., Hayward, CA 94544 Tel: (800) 542-2282 FAX (510) 471-6243

2.2 HEIGHT ADJUSTABLE AND SLOPE CORRECTING PEDESTALS

A. Materials

1. Pedestals shall be manufactured in 100% post-consumer recycled polypropylene

B. Construction

1. Polypropylene screw-adjustable pedestals with range from 1.5" to 40".

2. Pedestals shall be capable of indexing slope compensation either at the base or at the top, and will be secured with locking rings.

3. Pedestal shall have an open internal core for additional ballast, and drainage holes at the base to avoid water retention and prevent bacteria, mold or mildew.

4. Pedestals shall have paver spacer tabs ranging from 1/16" to 3/8", adjustable width beam support, and spacers for irregular-shaped pavers.

5. Pedestals shall support 20 kN (4496 lbf), which will support up to 3600 lbs.

C. Color: Black

D. Sizes: 6-3/8" diameter for all models

EVJ-0000 1-1/2" – 2" range

EVJ-000 2" – 3" range

EVJ-00 3" – 4-5/8" range

EVJ-0 4-5/8" – 8" range

EVJ-1 8" – 11" range

EVJ-2 11" – 17-1/2" range

EVJ-3 14" – 20-3/4" range

EVJ-4 17-1/4" – 27-1/4" range

EVJ-5 20-3/8" – 30-3/8" range

EVJ-6 23-1/2" – 36-3/8" range

EVJ-7 26-5/8" – 40" range

2.3 PEDESTAL ACCESSORIES (OPTIONAL)

A. Indexing Slope Compensation

1. Platform slope compensation: Indexing top slope compensation from 0-5% in 1% increments. 6-3/8" diameter, accepts either paver spacer tab or bearer support. 100% post-recycled consumer polypropylene.

2. Base slope compensation: Indexing basal slope compensation from 0% - 5% in 1% increments. 9" diameter. 100% post-recycled consumer polypropylene.

B. Paver Spacer Tabs

1. Fixed-width spacer tabs: Available in 1/16", 1/8", 1/4", and 3/8" widths, may be used with any height VersiJack, with or without platform slope compensation. 100% post-recycled consumer polypropylene.

2. Variable angle spacer tabs: For use with irregular or non-rectangular pavers and tiles. 100% post-recycled consumer polypropylene.

C. Beam Support: For use with or without platform slope compensation, supports all beams, joists, and stringers between 1-3/4" and 3-3/4". 100% post-recycled consumer polypropylene.

D. Adjusting Shims: For minor adjustment required for pedestals, or use on their own. Flexible neoprene shims in 1mm and 2mm (.039" & 0.078").

E. Power pedestal adjusting tool: Pedestal turning tool may be fastened to standard drill for faster adjustment of pedestals to correct levels.

3.0 EXECUTION

3.1 PREPARATION

- A. Surface on which the pedestals will be placed must be capable of supporting load, clean and free of debris.
- B. The finished elevation less the timber deck or paver thickness shall be established and marked around the perimeter with laser leveling devices or other water level
- C. Mark grid lines representing intersections of pavers across area, corresponding to plans.

3.2 INSTALLATION

- A. For installation of pavers in large areas, one paver shall be installed onto 4 pedestals at random positions at every 2000 sq. ft. The paver shall be installed at the correct elevation using a laser leveling device (or water level) and serve as reference point to verify exact elevation of remaining pavers.
- B. Checks shall be made constantly for correct elevation of the installed beam supports or pavers using laser level, automatic leveler or mason's line.
- C. Minor irregularities in beam or paver thickness may be compensated for by use of neoprene shim.
- D. Paver spacer tabs may be snapped off to accommodate perimeter and corner pedestals.
- E. Slope compensation shall be indexed in 1% increments to the slope of the roof. The yellow arrow should always be pointing directly up slope.
- F. Locking rings shall be used where possible for maximum strength and long-term stability of pedestals.
- G. Complete raised finish level shall be sturdy, rigid and free of overall rocking, rattles, squeaks, and noises. Finished floor shall be level within +/- 1/8", and +/- 1/16" in any 10' direction.
- H. For pedestal heights in excess of 24", stainless steel bracing wires should be inserted through the bracing tabs on the extenders for stability.