

Outdoor Flooring with Sensibuilt™ Lumenite Technology Installation

Important information about your Outdoor Flooring Cellular PVC decking

Outdoor Flooring Decking is installed with the same skills and tools as natural wood but there are some small but important differences that must be maintained. Familiarize yourself before installation.

DECKING STORAGE PRIOR TO INSTALLATION

Prior to installation material should be stored on a flat surface, supported every 24" and covered if original packaging is removed.

RECOMMENDED APPLICATIONS

Outdoor Flooring Decking is intended for residential installations on sun decks, pool decks, docks, boardwalks, ocean walks and similar applications. Outdoor Flooring cannot anticipate every possible installation and recommends that you consult an engineer, architect and/or building code official in your area to make sure that your design meets all locally applicable codes.

INSTALLATION TOOLS

Outdoor Flooring Decking is easily installed with the same tools used for lumber. Carbide tipped blades and bits are recommended for best results. Apply Outdoor Flooring End Finish paint to any cut ends that remain visible after installation.

FASTENERS

Outdoor Flooring Decking must be properly fastened to manage normal expansion and contraction. Surface fastening is best accomplished with finish head stainless steel screws, minimum #7 gauge, 2 ¼" long, with a 17° thread pitch. Position screws ¾" to 1" from plank edges, using two screws in every joist. Outdoor Flooring does not "mushroom" and requires no pre-drilling unless installation temperatures fall below 25° F.

Any use of unapproved fasteners, including biscuits or nails, may lead to product failure.

FASCIA FASTENING

Fascia is intended as a non-structural covering for rim joists, stair risers, and stringers. Fascia is fastened with a combination of screws and high quality urethane/acrylic construction adhesive to prevent thermal buckling. Screws should be installed at a minimum 16" interval, two or three screws across the face, staggered if preferred. Miter cutting is recommended at outside corners.

MANAGING EXPANSION AND CONTRACTION

Outdoor Flooring Decking will exhibit less expansion and contraction with temperature changes than most other decking products, but to avoid buckling, it is important to manage these forces through proper installation. This is the major difference you will find when installing Outdoor Flooring Decking. Follow these simple procedures and you will have a satisfactory installation.

Do not layout or cut planks until you are ready to install them. This will ensure that measured dimensions haven't changed with overnight or other temperature swings.

During warm weather (70° F and above), planks must be butted tightly together before fastening with two screws on each joist. At temperatures below 70° F and above 32° F, butt joints loosely. Below 32° F, leave a 1/16th gap at butt joints. This is a departure from the ¼" gap most decking requires.

As with any decking, a double joist is required for proper fastening at butt joints. Pre-drilling is not normally required but when working in very cold conditions – ambient temperatures below 25° F, you should probably consider it.

DECKING INSTALLATION

Design possibilities are virtually limitless; therefore it is impossible for Outdoor Flooring to anticipate every installation situation. Always consult with an architect, engineer, and/or local building code official and rely on them as the final authority on deck design. Outdoor Flooring provides detailed test reports online at www.OutdoorFlooring.com to assist in evaluating specific projects.

As a general rule, Outdoor Flooring requires a maximum joist spacing of 16" on center, dropping to 12" on center when decking is installed diagonally or as stair treads. Butt joints should be staggered, never placed side by side, and always installed over double joists.

Outdoor Flooring decking should be installed with a side-to-side gap of ⅛" to ¼" to allow for proper drainage. Proper flashing is required for any attached deck and your contractor will determine the appropriate solution for your specific needs. Rail posts should always be fastened directly to the structural framing, never to the decking.

Outdoor Flooring recommends specific fasteners but comparable fasteners designed for use with cellular PVC may suffice, provided they are designed to restrict deck plank movement. Floating fasteners must not be used.

CLEANING

Your deck should be washed occasionally to eliminate the various airborne pollutants that can settle and play host to mold or mildew. Use a mild, non-abrasive household detergent or commercial deck wash to remove ordinary stains. Simply apply with a soft brush or towel and rinse clean.

Outdoor Flooring decking contains no cellulose fibers that can support the growth of mold or mildew. In the event surface mold or mildew ever appears on your Outdoor Flooring Decking, it will only be on the surface and can be easily removed using a solution of one part chlorine bleach in five parts of water. Never mix bleach with any other cleaner.

Outdoor living is active living. And that means expect unexpected spills as a result of cooking, eating, drinking, yard maintenance, trim painting and home repair activities. Almost anything you can spill on your unique Outdoor Flooring Decking can be easily removed, restoring its long lasting beauty.

Begin removing stains by wiping up excess spills and spot cleaning with a non-abrasive household cleaner. Stubborn stains may require a stronger cleaner. The tough Lumenite™ surface will allow the use of commercially available solvent based cleaners made for urethane flooring such as New Beginning® Floor Cleaner and Stripper or multi-purpose cleaners such as Valspar® Goof-Off. Never use abrasive cleaners of any kind on Outdoor Flooring decking.

Welcome mats with a rubber or latex backing may contain chemical plasticizers that can stain your deck. The stains can be removed but to avoid them, the use of vinyl backed mats or colorfast woven rugs are recommended.

Use a broom for snow removal and rock salt for ice removal – do not shovel or chop on the surface of any decking. Salt residue can be removed with water and a mild soap solution.

Important Notice: The Deck Pilot™ hidden fastening system is engineered and tested to be AC-174 compliant for use exclusively with Fiberon PVC branded Decking, screws and accessories. Use of the Deck Pilot System with any other decking materials or fasteners carries a real risk of deck failure and Fiber Composites prohibits all such installations.

The Fiberon Deck Pilot system provides an exceptionally strong and code compliant hidden fastening system when these simple instructions are followed. Tools needed: Driver drill with adjustable torque settings and a Deck Pilot bit. Proper Fiber Composites PVC Decking installation requires maximum 16" OC joist spacing for perpendicular framing, 12" OC joist spacing for diagonal framing and all commercial applications.

The Deck Pilot Bit is designed to precisely position the screws on both sides of the board without removing the tool. Drive until the flange on the bit just contacts the bushing. When the flange contacts the bushing, **stop driving. Do not overdrive the screw.** Minimize stripping by adjusting the torque on your driver to the lowest setting that fully drives the screws; replace driver bits as they become worn. Do not use "Impact" drivers.

1. Fiber Composites PVC branded decking installs from the outer edge of the deck towards the ledger. Begin by positioning the starting deck board at the outside edge of the deck (away from the house), with a maximum exposed overhang of 1 inch. Face fasten the board along its entire outer edge with minimum #7 x 2-1/4" face screws and not more than 16" on center.
2. Starting with the inside edge, the Deck Pilot tool is designed to create a consistent 3/16" spacing between boards without additional spacers.
3. Using the reference line under the bushing, align the Deck Pilot so the guide line is directly over the center of the joist on 90° applications (Figure A).

Note: On diagonal 30° or 45° applications, align the guide with the outside edge of the joist so that the screw penetrates the joist from the edge toward the center.

4. Fasten boards by advancing from one end to the other and never fasten the middle last. The screw will penetrate the joist and countersink to the correct depth automatically (Figure B).
5. Alternate securing the outside edge first, then the inside edge at each joist before moving tool onward (Figure C).
6. Slide the next board loosely against the previous course allowing room to place the Deck Pilot over the board, then snug it tightly to the previous course.
7. Continue securing each course alternating from the outside to the inside (Figure D).
8. When you reach the house wall, face fasten the last board with minimum #7 x 2-1/4" face screws a maximum of 16" on center.

Note: Stripped screws can be removed with a #2 screw extractor. Spacing guides such as Deck Mate™ or DECKIT™ are commercially available to assist in consistent 3/16" plank spacing. Many contractors make their own spacers. One technique is to cut 6" x 4" pieces of plywood, pre-drill a 1/8" hole, 2" from one end and drive a 20 penny common nail or #10 wood screw (both 3/16" diameter) about half-way, straight through the plywood. Position spacers on the boards no more than two feet from either side of the Deck Pilot and at both ends of the board.



Figure A



Figure B

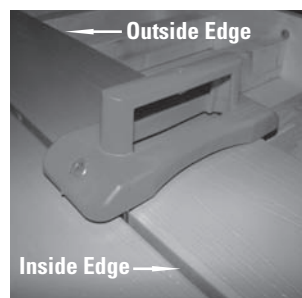


Figure C



Figure D