

VEKAdeck INSTALLATION GUIDELINES

PART 1 – GENERAL

1.01 SUMMARY

- A. Section includes drawings and all provisions of the contract that apply.
- B. Cellular Polyvinyl Chloride (PVC) decking.

1.02 SYSTEM DESCRIPTION

- A. The contractor shall provide a cellular, PVC deck of the design, style and strength defined herein. This PVC material is specially formulated for outdoor use with superior strength and impact resistant properties after extended outdoor exposure. Colors shall be Almond, Cayenne, Espresso, Gray, Hazelnut, Khaki, Mocha, Storm, Walnut and White.

1.03 SUBMITTALS

- A. General: Submit the following according to the conditions of the contract.
- B. Product Data: In the form of manufacturer's technical data, specifications and installations for decking.
- C. Samples: to verify color of PVC components, provide 6" length of the actual product that will be used in color selection.
- D. Shop Drawings: Submit shop drawings showing layout, profiles and product components (including anchorage, accessories and finished colors).
- E. Quality Assurance Submittals: Submit the following:
 - a. Test Reports: Certified test reports showing compliance with specified performance, characteristics and physical properties.
 - b. Compliance Reports: Research reports or evaluation reports. Provide evidence that the cellular PVC decking is in compliance with applicable building code in effect for project.
 - c. Warranty: Warranty documents specified herein.

1.04 QUALITY ASSURANCE

A. Qualifications

- a. PVC Decking Installer Qualifications: Engage a VEKA Outdoor Living Products licensed fabricator to ensure successful completion of project.
- b. Manufacturer Qualifications; Manufacturer should be capable of providing field service representation during construction and should be capable of approving acceptable installer and application methods.

1.05 PROJECT CONDITIONS

- A. Field Measurements: Verify layout information for decking shown on the drawings in relation to the property survey and existing structures. Verify dimensions by field measurements.

PART 2 - PRODUCTS

2.01 DECKING MATERIALS

- A. General: Provide PVC decking materials recognized to be of type indicated and tested to show compliance with indicated performances.
- B. Manufacturer: Subject to compliance with requirements, manufacturers offering products that may be incorporated in the work include:
 - a. VEKA Outdoor Living Products, 100 Veka Drive, Fombell, PA 16123.

2.02 PRODUCT SUBSTITUTIONS

- A. Substitutions: No substitutions permitted.
 - a. Stainless steel or galvanized fasteners should be of sufficient size and strength to support local code requirements.

2.03 DECKING COMPONENTS

- A. PVC Decking Material
 - a. One piece reinforced cellular PVC board
 - b. Solid square and Grooved square board options
 - c. Extruded in standard lengths
 - d. Extruded with suitable slip resistant walking surface
 - e. Deck board cross section is 1" x 5 ½".

2.04 MISCELLANEOUS MATERIALS

- A. Fasteners: Anchorage: All fasteners shall be grades 305 and/or 316 #10 x 2 ½" stainless steel with either concealed or color matched heads. Provide sizes as recommended by manufacturer.
- B. Manufacturer does not recommend the use of impact nail guns (or similar methods) as this may cause cracking to the deck board around the fasteners.
- C. Several non-impact hidden fastener systems are compatible with VEKAdeck installation.

PART 3 - EXECUTION

3.01 PREPARATION

- A. Site Verification: Verify foundation conditions to be sure that they are acceptable for product installation in accordance with manufacturer's instructions.
- B. The contractor in accordance with the construction plans shall layout all new installations.

3.02 DECKING INSTALLATIONS

A. General Installation

- a. Install decking using a 16" on center maximum span straight across.
- b. Install decking using a 12" on center maximum span diagonally.
- c. Install decking using a 12" on center maximum span for stairs. Deck boards used as stair treads shall be installed in a minimum two-span condition.
- d. Install 2 deck screws at each joist or use another VEKA approved fastening method, see Fastening Options for VEKAdeck document.
- e. Each screw should be placed 1" in from the edge and end of the board.
- f. Width to width spacing between boards for drainage and ease of sweeping/cleaning should be at least 1/8".
- g. End to end spacing between boards should be at least 1/8". Cold weather installation should allow additional spacing (up to 3/16").
- h. During hot installation deck boards may be installed end to end, in which case a double joist is required to fasten the deck board to the joists.
- i. Deck boards should be installed with embossed wood grain pattern pointing up and laying in the same direction.
- j. Variation for the installation must be approved and the cost for removal and/or replacement of material from the result of a variation will be the contractor's responsibility.

3.03 CLEANING

- A. Follow manufacturer's instructions on use of cleaners. Always test cleaners in a small, inconspicuous area.
- B. Wash using a soft cloth or ordinary long-handled soft bristle brush.
- C. Never use metal brushed to clean deck surface or metal tools for snow and ice removal.
- D. Power washing is an acceptable method for cleaning of the deck boards.
- E. For difficult to remove dirt and stains such as top soil, motor oil, lithium grease, etc. use readily available household cleaners such as:
 - a. Mr. Clean Magic Eraser® Pads
 - b. Fantastic
 - c. Murphy's Oil Soap
 - d. Lestoil
 - e. Lysol
 - f. Windex
 - g. Vinegar and Water Mixture
- F. In some cases, you may wish to use mildly abrasive cleaners, such as cleaners or a paste like scrubbing solution. Use of abrasive material could have a negative effect on the surface of the deck board.
- G. Do not use cleaners containing aggressive organic solvents, because they could affect the surface appearance on the vinyl. Examples of such cleaners are:
 - a. Chlorine Bleach
 - b. Liquid Grease Remover
 - c. Strong Soaps and Detergents Containing Organic Solvents
 - d. Nail Polish Remover
 - e. Furniture Polish/Cleaners
- H. Products such as insect repellants, chemicals with U.V. inhibitors (sunscreen), or pesticides and herbicides can cause discoloration that may not immediately appear. Clean vinyl immediately if exposed to such products.
- I. See VEKA Limited Lifetime Warranty document for further information.