AL-MAR
Vinyl Products

WARNING!

Important Information regarding the care, use and warranty of this vinyl product is included in this set of instructions

It is imperative that the homeowner gets this document after installation

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 color hold and impact resistant properties after extended outdoor exposure.

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-inch length of the actual product that will be used in color selection.
D. Shop Drawings: Submit shop drawings showing layout, profiles, and product components.
E. Quality Assurance Submittals: Submit the following:
    1. Test Reports: Certified test reports showing compliance with specified performance, characteristics, and physical properties.
    2. 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.
    3. Warranty: Warranty documents specified herein.

1.04 QUALITY ASSURANCE

A. Qualifications:
    1. PVC Decking Installer Qualifications: Engage a VEKA licensed fabricator to ensure successful completion of project.
    2. 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:
    1. Veka Innovations, 427 Thacher Lane Suite A, Youngstown, OH 44515.

2.02 PRODUCT SUBSTITUTIONS

A. Substitutions: No substitutions permitted.

2.03 DECKING COMPONENTS

A. PVC Decking Materials is a reinforced cellular PVC extruded in lengths indicated with a suitable slip resistant walking surface. The cross section of the deck plank is 1.500" x 5.500".

2.04 MISCELLANEOUS MATERIALS

A. Fasteners: Anchorage:. VEKAdeck boards shall be fastened with two No. 8 by 2 1/2 inch-long (63.5mm) wood screws at each supporting solid sawn wood member
B. Manufacturer does not recommend the use of an impact nail gun as this may cause cracking to the deck board around the nail head.

PART 3 EXECUTION

3.02 PREPARATION

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

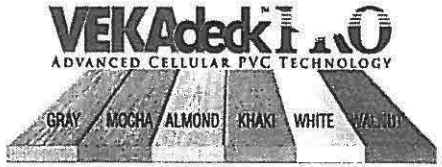
3.03 DECKING INSTALLATION

A. General Installation
    1. Install decking in using a 16-inch center to center joist span.
    2. Install 2 deck screws at each joist.
    3. Each screw should be placed 1inch in from them edge and end of the board.
    4. Width to width spacing between board for expansion and contraction should be at least 1/8 of an inch.
    5. End to end spacing between boards should be a minimum of 3/16".
    6. Wherever deck boards are installed end to end, a double joist is required to fasten the deck board to the joists.
    7. Variation from 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.

3.04 CLEANING

A. Wash using a soft cloth or ordinary long-handled soft bristle brush.
B. For difficult to remove dirt and stains such as top soil, motor oil, lithium grease, etc. use the readily available household cleaners such as:
    1. Fantastic
    2. Murphy's oil soap
    3. Lestoil
    4. Lysol
    5. Windex
    6. Vinegar and water
C. In some cases you may wish to use mildly abrasive cleaner, such as cleansers or a paste-like scrubbing solution. Use of abrasive material could have a negative effect on the surface of the fence.
D. Do not use cleaners containing aggressive organic solvents because they could affect the surface appearance of the vinyl. Examples of such cleaners are: chlorine bleach, liquid grease remover, strong soaps, and detergents containing organic solvents, nail polish remover, and furniture polish/cleaners.

Expansion/Contraction Chart



INSTALLATION TEMPERATURE OF 16' BOARD (DEGREES C)

TEMPERATURE (DEGREES C)	-12	-9	-7	-4	-1	2	4	7	10	13	16	18	21	24	27	29	32	35	38
38	0.380	0.359	0.338	0.317	0.296	0.275	0.253	0.232	0.211	0.190	0.169	0.148	0.127	0.106	0.084	0.063	0.042	0.021	0.000
35	0.359	0.338	0.317	0.296	0.275	0.253	0.232	0.211	0.190	0.169	0.148	0.127	0.106	0.084	0.063	0.042	0.021	0.000	-0.021
32	0.338	0.317	0.296	0.275	0.253	0.232	0.211	0.190	0.169	0.148	0.127	0.106	0.084	0.063	0.042	0.021	0.000	-0.021	-0.042
29	0.317	0.296	0.275	0.253	0.232	0.211	0.190	0.169	0.148	0.127	0.106	0.084	0.063	0.042	0.021	0.000	-0.021	-0.042	-0.063
27	0.296	0.275	0.253	0.232	0.211	0.190	0.169	0.148	0.127	0.106	0.084	0.063	0.042	0.021	0.000	-0.021	-0.042	-0.063	-0.084
24	0.275	0.253	0.232	0.211	0.190	0.169	0.148	0.127	0.106	0.084	0.063	0.042	0.021	0.000	-0.021	-0.042	-0.063	-0.084	-0.106
21	0.253	0.232	0.211	0.190	0.169	0.148	0.127	0.106	0.084	0.063	0.042	0.021	0.000	-0.021	-0.042	-0.063	-0.084	-0.106	-0.127
18	0.232	0.211	0.190	0.169	0.148	0.127	0.106	0.084	0.063	0.042	0.021	0.000	-0.021	-0.042	-0.063	-0.084	-0.106	-0.127	-0.148
16	0.211	0.190	0.169	0.148	0.127	0.106	0.084	0.063	0.042	0.021	0.000	-0.021	-0.042	-0.063	-0.084	-0.106	-0.127	-0.148	-0.169
13	0.190	0.169	0.148	0.127	0.106	0.084	0.063	0.042	0.021	0.000	-0.021	-0.042	-0.063	-0.084	-0.106	-0.127	-0.148	-0.169	-0.190
10	0.169	0.148	0.127	0.106	0.084	0.063	0.042	0.021	0.000	-0.021	-0.042	-0.063	-0.084	-0.106	-0.127	-0.148	-0.169	-0.190	-0.211
7	0.148	0.127	0.106	0.084	0.063	0.042	0.021	0.000	-0.021	-0.042	-0.063	-0.084	-0.106	-0.127	-0.148	-0.169	-0.190	-0.211	-0.232
4	0.127	0.106	0.084	0.063	0.042	0.021	0.000	-0.021	-0.042	-0.063	-0.084	-0.106	-0.127	-0.148	-0.169	-0.190	-0.211	-0.232	-0.253
2	0.106	0.084	0.063	0.042	0.021	0.000	-0.021	-0.042	-0.063	-0.084	-0.106	-0.127	-0.148	-0.169	-0.190	-0.211	-0.232	-0.253	-0.275
-1	0.084	0.063	0.042	0.021	0.000	-0.021	-0.042	-0.063	-0.084	-0.106	-0.127	-0.148	-0.169	-0.190	-0.211	-0.232	-0.253	-0.275	-0.296
-4	0.063	0.042	0.021	0.000	-0.021	-0.042	-0.063	-0.084	-0.106	-0.127	-0.148	-0.169	-0.190	-0.211	-0.232	-0.253	-0.275	-0.296	-0.317
-7	0.042	0.021	0.000	-0.021	-0.042	-0.063	-0.084	-0.106	-0.127	-0.148	-0.169	-0.190	-0.211	-0.232	-0.253	-0.275	-0.296	-0.317	-0.338
-9	0.021	0.000	-0.021	-0.042	-0.063	-0.084	-0.106	-0.127	-0.148	-0.169	-0.190	-0.211	-0.232	-0.253	-0.275	-0.296	-0.317	-0.338	-0.359
-12	0.000	-0.021	-0.042	-0.063	-0.084	-0.106	-0.127	-0.148	-0.169	-0.190	-0.211	-0.232	-0.253	-0.275	-0.296	-0.317	-0.338	-0.359	-0.380
-15	-0.021	-0.042	-0.063	-0.084	-0.106	-0.127	-0.148	-0.169	-0.190	-0.211	-0.232	-0.253	-0.275	-0.296	-0.317	-0.338	-0.359	-0.380	-0.401
-18	-0.042	-0.063	-0.084	-0.106	-0.127	-0.148	-0.169	-0.190	-0.211	-0.232	-0.253	-0.275	-0.296	-0.317	-0.338	-0.359	-0.380	-0.401	-0.422
-21	-0.063	-0.084	-0.106	-0.127	-0.148	-0.169	-0.190	-0.211	-0.232	-0.253	-0.275	-0.296	-0.317	-0.338	-0.359	-0.380	-0.401	-0.422	-0.444
-23	-0.084	-0.106	-0.127	-0.148	-0.169	-0.190	-0.211	-0.232	-0.253	-0.275	-0.296	-0.317	-0.338	-0.359	-0.380	-0.401	-0.422	-0.444	-0.465
-26	-0.106	-0.127	-0.148	-0.169	-0.190	-0.211	-0.232	-0.253	-0.275	-0.296	-0.317	-0.338	-0.359	-0.380	-0.401	-0.422	-0.444	-0.465	-0.486
-29	-0.127	-0.148	-0.169	-0.190	-0.211	-0.232	-0.253	-0.275	-0.296	-0.317	-0.338	-0.359	-0.380	-0.401	-0.422	-0.444	-0.465	-0.486	-0.507

VEKA
OUTDOOR LIVING PRODUCTS

100 VEKA Drive • Fombell, PA 16123 • 1-800-GO-4-VEKA

VEKA Warranty Statement

VEKA warrants VEKAdeck® rigid vinyl extrusions to be the finest quality available and to be superior for exterior applications. VEKA warrants that their rigid VEKAdeck® vinyl deck extrusions will not blister, chip, corrode, peel, rot or suffer termite damage when used in accordance with the VEKAdeck® installation, care & maintenance instructions.
This warranty is subject to return of warranty registration card. VEKA's Limited Lifetime Warranty covers the original purchaser (residential) for life (less exclusions) and original purchaser (commercial) for a period of 20 years. This warranty is non-transferable and is subject to exclusions.

Warranty Exclusions

VEKA does not warrant against uniform fading or color change due to normal weather conditions, as normal weathering will cause any surface to gradually fade or darken. This warranty does not cover liability for incidental or consequential damages for any cause whatsoever.
Limited lifetime warranty is void if any of the following occurs:

1) *Failure to abide by manufacturer's installation guidelines*
2) *Movement, settling or collapse of ground or support structure*
3) *Naturally occurring instances such as earthquakes, tornadoes, hurricanes, flooding, lightning or any acts of God*
4) *Improper handling, storage, neglect or misuse*
5) *Improper application of products or chemicals not recommended*
6) *Use of vinyl or rubber backed mats not clearly marked "safe for use with vinyl"*
7) *Staining from foreign substances (see VEKA Warranty Terminology)*

Warranty Notification

The purchaser must within 30 days of discovery of a claimed defect and prior to performing any repair notify VEKA in writing the nature of the defect supplying photos and proof of purchase. Should any material be found defective during the warranty period, VEKA will at our discretion, repair or replace the said material free of charge. Replacement product will be supplied as close to the original as possible, although this is not guaranteed to be an exact match.
VEKA will not be liable for labor charges or other costs or expenses in connection with the repair, removal, or installation of the original or replacement product.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANT ABILITY AND FITNESS FOR A PARTICULAR USE.

VEKA Warranty Terminology

INITIAL COLOR:

VEKA maintains strict production control standards and color tolerances, however, initial color variation will occasionally be found from batch to batch and rarely within the same batch. VEKA does not warrant against variation in initial color. VEKA reserves the right to determine the range of acceptable initial color variation.

NORMAL WEATHERING:

VEKA does not warrant against normal weathering. VEKA reserves the right to determine the range of acceptable color change.
VEKA conducts ongoing weathering studies of their materials in three climatic regions – Florida, because it is hot and wet, Arizona, because it is hot and dry, and Kentucky because of acid rain. In addition to outdoor testing, accelerated weathering studies are also conducted in weatherometers. The Florida and Arizona locations are within the 140 and 200 Isolines of Global Radiation respectively. These sites are considered extreme areas of weatherability, and are used as testing regions by numerous industries requiring outdoor performance studies.
The degree to which VEKA Fence, Deck and Railing profiles will maintain their original color is dependent upon the effects of temperature, moisture and sunlight. These same three factors influence the weatherability of all materials and will induce changes in the initial color. Variations due to installation exposure, such as vertical vs. horizontal, will weather differentially. Color changes will occur as fading, chalking, loss in gloss, or varying degrees of yellowing. Uneven color change will occur under mats, planters, tarps, tables, etc. VEKA believes this is due to moisture collection, typically appearing as a lighter area.
Removal of the mats, planters, tarps, tables, etc. to expose the area to normal environment, should over time, eliminate the lighter areas and allow the lighter areas to closely match the surrounding areas. Some mats, planters, tarps, etc. will degrade and collect debris underneath. In these instances, the mats, planters, tarps, etc. should be removed, the discolored area thoroughly cleaned, and the cleaned area allowed to be exposed to the environment.
Additionally, reflected light such as from windows, patio doors, siding, snow, etc. will accelerate weathering.
Since initial color will vary after weathering, individual components in assembly will have different color. This too is considered normal weathering.

FOREIGN SUBSTANCES EFFECT ON WEATHERING:

Foreign substances including but not limited to dirt, tree sap, leaves, pine needles, sun tan lotions, bug sprays, fertilizers, grill drippings, salad oils, cosmetics and most oil based products, etc. left on exposed surfaces will have adverse effects on weathering. These foreign substances will cause staining, spots, streaks, discoloration, lightening, darkening, etc. Immediate removal of any foreign substance is required to minimize the discoloration. VEKA does not warrant against weathering effects caused by foreign substances. VEKA reserves the right to reject warranty claims for uneven color changes caused by foreign substances. When sunlight is blocked or partially blocked by a roof, trees, awnings, railings, pool covers, etc., uneven weathering will occur. Direct or indirect contact with extreme heat sources such as cooking devices should be avoided

CARE AND MAINTENANCE:

Algae, mold and mildew growing on residue deposited onto exposed surfaces should be removed using a soft bristled brush and a mild mixture (10 to 1) of water and bleach. Rinse thoroughly with water immediately after brushing.
(Note: algae, mold and mildew are sustained by surface residue deposited on the vinyl, not the vinyl itself.)
Foreign substances should be removed using warm water and a mild non-abrasive detergent or commercially available vinyl cleaner. For tough stains, more aggressive cleaning solutions will be required. Use at your own risk and be sure to check for harmful effects on a hidden surface.
Avoid using rubber backed mats, or any other non-porous objects such as plastic tarps as they may cause discoloration when used on the deck over an extended period of time.
Products that contain chemicals or U.V. inhibitors such as sun block or other tanning lotions, insect repellants, pesticides or herbicides, etc. may cause discoloration if exposed to the deck for an extended period of time. (Use caution and clean deck immediately when it has been exposed to such products.)

SURFACE DAMAGE:

Never use metal tools (shovels, wire brushes, sharp edge implements) to remove snow or ice from the VEKAdeck surface.

VEKAdeck™ PRO
ADVANCED CELLULAR PVC TECHNOLOGY

LIMITED LIFETIME WARRANTY REGISTRATION

Purchaser's Name _____ Day Phone _____ Evening Phone _____

Purchaser's Address _____ City/State/ZIP _____

Purchase Date _____ Installation Date _____

Installation Address _____ City/State/ZIP _____

Installation Company (if applicable) _____ City/State/ZIP _____ Phone _____

Where Purchased _____

Deck Size _____ Color ☐ Almond ☐ Gray ☐ Khaki ☐ Mocha ☐ Walnut ☐ White

Important: Send in this registration card along with proof of purchase within 30 days of installation in order to protect your investment in VEKAdeckPRO®. For faster service you may register your warranty online at **www.vekainc.com/warranty**. Failure to properly register may result in loss of warranty coverage. Return the completed registration card to: **VEKA Inc. 100 Veka Drive, Fombell, PA 16123 www.vekadeck.com Attn: Warranty Registration**

Place
Postage
Here

VEKAdeck™ PRO

VEKA Inc.
100 Veka Drive
Fombell, PA 16123
Attn: Warranty Registration

LIMITED LIFETIME WARRANTY & REGISTRATION CARD