



AridDek Reference Guide & Installation Instructions

Congratulations and Thank You for your purchase! This is the beginning of many years of low maintenance enjoyment of your AridDek decking. Provided are general instructions for the installation of your new decking and additional engineering details. If there are any questions along the way please don't hesitate to call Customer Service @ (877)270-9387 or visit our "resource library" on www.wahoodecks.com. Please read these instructions in their entirety before you start your project. **Please follow these steps closely to ensure the durability and safety of your deck.**

Deck Structure Requirements

- Deck support spacing (joist) * **24" o.c. joists** (standard)
 *(refer to load span chart pg. 3 for specific lbs. per sq/ft ratings
 and optional joist spacing)
- Minimum pitch away from house **1/8" / foot**

Tool Requirements for Decking

- ✓ Tape Measure
- ✓ 3/8" Drive Power Drill
- ✓ Phillips Head Bits
- ✓ T-25 Torx Bits
- ✓ Hacksaw
- ✓ Circular Saw with carbide blade 12" Blade – 96 Tooth
 (Chop Saw & Table Saw are 10" Blade – 80 Tooth
 helpful, but not necessary) 7 1/4" Blade – 62 Tooth
- ✓ Caulking Gun
- ✓ 100% Silicone Sealant
- ✓ Denatured alcohol

Reference Guide for Code Compliance and Engineering Specifications

A. Aluminum Interlocking Deck Boards: AridDek manufactured by Wahoo Decks.

1. Compliance:

a. Aluminum: Meets specifications and guidelines for aluminum structures as recommended by AA ADM 1 and required by International Building Code (IBC).

b. Outdoor Exposure: Meets durability requirements of AAMA 2603.02.

2. Design: Interlocking boards provide gapless, single layer watertight decking surface.

3. Material: 6005-T5 Series Marine grade aluminum.

4. Finish Type: Powder coating.

5. Color: As scheduled and indicated on Drawings. Ash Grey or Sandstone.

6. Fabrication: Extruded.

7. Hidden Fastener System: Integral, no pre-drilling required.

8. Hardware: 410 stainless steel screws.

9. Strength: approx. 400 lbs per square foot (psf) at joist spacing of 24 inches.

10. Drainage:

a. Pitch: 1/8 inch (3 mm) downward pitch per linear foot recommended.

b. Overhang: 2 inch (51 mm) overhang beyond the header joist on drainage end, to prevent possible backsplash.

11. Available Lengths: Provide extrusions as scheduled and indicated on Drawings.

a. 36 ft (10973 mm) extruded length.

12. Weight:

a. By Length: 1 lb (0.45 kg) per linear foot (305 mm).

b. By Area: 2 lb (0.9 kg) per square foot (92904 mm²).

13. Start Boards:

a. Design: Incorporates tongue receivers to accept main boards.

b. Width: 5-1/2 inches (140 mm),

14. Main Boards:

- a. Design: Can be ripped lengthwise to cover non-standard deck widths.
- b. Width: 6 inches (152 mm).

15. Finish Boards:

- a. Design: Incorporates tongues to fit into receivers of main boards. Can be ripped lengthwise to cover non-standard deck widths.
- b. Width: 5-1/2 inches (140 mm).

16. Trim and Channel Plugs: To provide finished appearance.

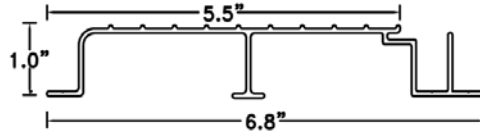
- a. Design: Serves as drip edge on drainage side.
- b. Types: Profile Trim, Color Matched Flashing and T Trim.

AridDek Span Chart/Multiple Spans

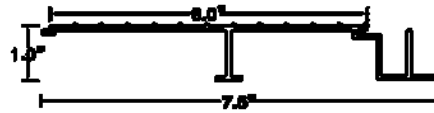
	Total Load TL lbs/ft ²		
Joist Spacing	1/180	1/240	1/360
12"	11121.88	11121.88	11121.88
18"	4429.70	4429.70	4429.70
24"	2202.95	2202.95	1963.89
30"	1146.20	1446.20	1005.51
36"	552.76	552.76	552.76
42"	298.37	298.37	298.37
48"	174.90	174.90	174.90

***AridDek Decking will meet a vertical crush load of not less than 28,000 psf**

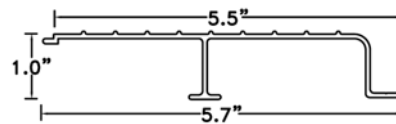
Start Board



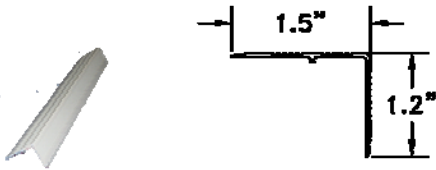
Main Board



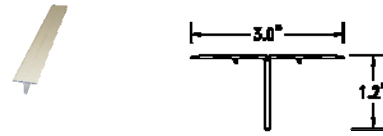
Finish Board



Profile Trim



T-Trim



Channel Plug / 1 1/2 Hex Head / T-25 Torx Trim



AridDek Decking Installation

At Delivery

Please carefully examine the products for any damage that may have occurred during transit. Inspect the individual components and report any damage immediately to the delivery driver and the Wahoo Decks team. **Failure to do this could result in additional delivery charges should you find problems later.**



Before You Start

Take inventory of your decking components; verify that all items are present to complete your decking system. Layout the system, prior to assembly, to confirm the order of installation.

Getting Started

Step 1: If your order includes our 4" x 3" Wahoo Ledger Flashing, please install this component first. The ledger flashing is a typical requirement of most decks to keep water from getting behind the ledger board and damaging the building envelope. It is ideal to have the vertical portion of the flashing behind a course of siding.

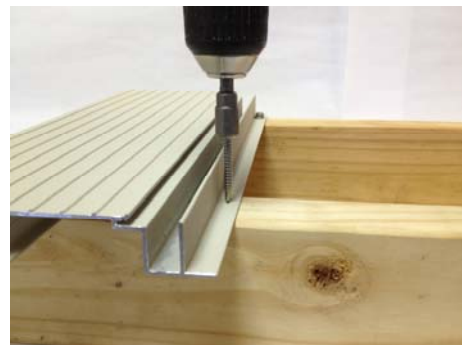


Step 2: Install the Wahoo Header Flashing on the drainage edge as a drip edge for water weeping over the ends of the boards and profile trim. This drip edge flashing is intended to overlap a typical gutter collection channel. This flashing is used to protect the header framing below from contact with drainage water.

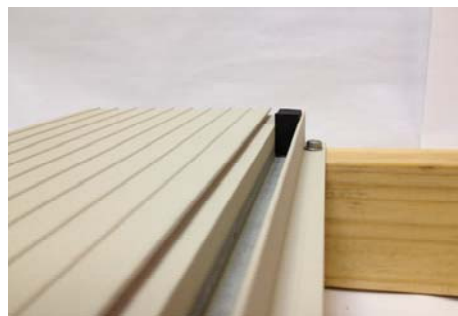


Decking Installation Procedures

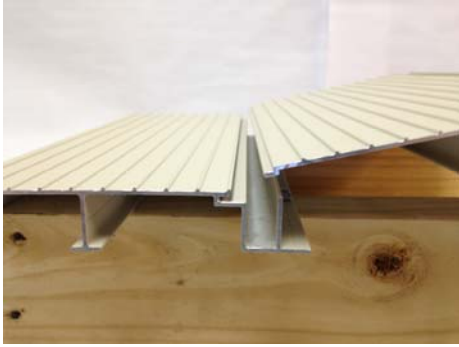
- Step 1: Make sure all structural joist and ledger flashing are free of debris and dirt. For drainage purposes, make sure there is **1/8" per foot slope** away from any point where the end of a board will be perpendicular to a wall.
- Step 2: Determine the appropriate side to start the installation of the AridDek (this should have been predetermined during the takeoff and quoting process). Position the starter board and attach it to the deck with the appropriate screws (1 1/2" hex head), screwing into every joist (typically 24" apart). The start board, unlike the main boards and finish board, requires a screw on both sides of the board. **Ensure the first board is properly aligned, because each subsequent board will follow this alignment.**



- Step 3: As each deck board is being installed, insert a **Channel Plug** into each gutter channel at the end closest to the exterior wall (non drainage side). The channel plug has a pre-applied adhesive that affixes to the bottom of the gutter. These channel plugs are backup protection should the decking not have the appropriate pitch from the house.



- Step 4: After the Start board is secure, install a Main board by sliding the tongue of board into the groove of the Start board. When the Main board is secure and aligned, put screws into the screw flange on the Main board, screwing into every joist (again, typically every 24").



Step 5: Continue to add Main boards and measuring the distance traveled on each side, every two to three feet to ensure the boards remain square to the Start board. This process continues until the Finish board is installed.

Ripping a finish board

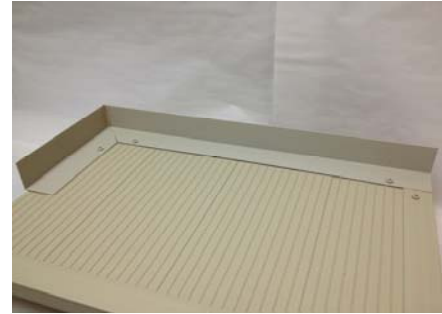
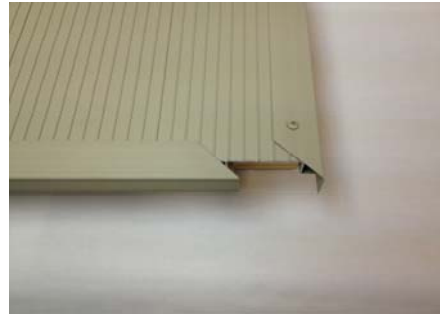
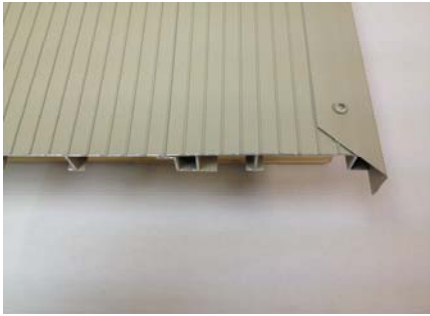
Step 1: If you have a deck width that is not evenly divisible by 6" you may have to rip a finish board. Ripping a finish board can be done with a table saw or skill saw. Ripping a finish board removes the fastener flange and you will need to add a filler strip of material to support and attach the edge of the finish board to.



Finishing Open Sides

Profile Trim can be used to finish off the exposed ends of boards. It can also be used to finish off the Start and Finish boards.

Step 1: Lay the trim along the edge of the decking and remember to leave a space for water drainage. Screw through the top of the Profile Trim into the decking approximately every 18" using 1" self tapping color matched torx screws. (T-25 bit needed)



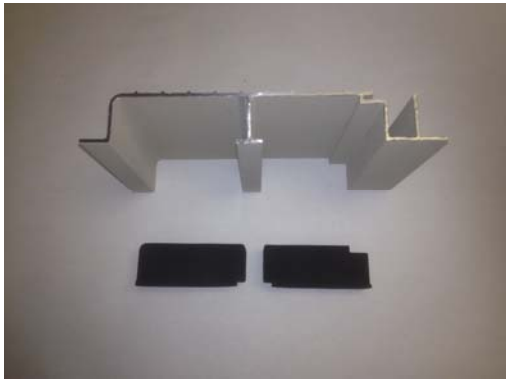
Flashing against Exterior Walls

Wahoo Decks provides a color matched rigid Flashing for installation on top of the AridDek system. It measures 2" x 2" and is attached using the T-25 Torx Trim Head Screw. Always apply sealant to the back and bottom side of the AridDek Flashing prior to installation. ***This flashing is in addition to, not in lieu of, standard ledger flashing.** It is ideal to install the flashing behind the siding, if possible.



Installation of Profile Gaskets

Wahoo Decks provides a neoprene-water jet cut gasket for the void created on the bottom side of the decking where it crosses the support header on the drainage side. The gaskets are designed to block air, driving rain, debris, insects, etc. from being able to get under the decking at this void. The plugs come in labeled bags for easy identification. Each deck board will receive two plugs and each profile is a different size. Each plug is designed to be slightly larger than the profile it is intended for and will need to be compressed into place. Be sure to install after the decking is fastened down to the framing and before the profile trim.



Stairs

Stairs can be accomplished by using a Main Board and Finish Board to create a maximum 11 1/2" tread.



*If using our Wahoo Aluminum Rail Kits, refer to the drawing below for attaching through AridDek. Always add additional timber blocking to the framing below each Post Mount. Each 3/8" lag screw must fasten through the deck board and into timber framing below. Mark and pre-drill a 3/8" hole in each of mounting holes through the AridDek and use the supplied 3/8" wood lag screws to attach the pedestal mount. *Refer to the "Wahoo Rail Install Guide" for complete rail installation details.



Please contact our customer service team at (877) 270-9387 with any questions. We appreciate your business and we look forward to your feedback!

ENJOY YOUR NEW DECK!

