

# TANDECK™

PERFORMANCE MARINE DOCK BOARD



AN INNOVATION OF **TANGENT**<sup>®</sup>  
SUSTAINABLE LUMBER



engineered  
to live on™

## Why TanDeck?

TanDeck Marine Decking is a low-maintenance decking material that provides premium wood-like aesthetics with better-than-wood durability. It is the ideal decking investment for waterfront properties and structures.

Our marine decking resists water, mildew, moisture, and chemicals. Impenetrable to marine borers, TanDeck provides a low-maintenance solution that **stands up to whatever nature throws at it.**

### PRODUCT VERSATILITY

- Marine Decking
- Residential Docks
- Boardwalks
- Piers



### CONFIDENTLY DURABLE

No rotting, splintering or peeling with materials that stand the test of time.



### LASTING BEAUTY

Colors and textures remain flawless with no painting, staining required.



### SUSTAINABLY MADE

Recycled materials create an unrivaled performance lumber.



### EASE OF CARE

Simply wash with soap and water; no need to waterproof.



### MADE IN THE USA

Our products are made in the United States.

# AVAILABLE COLORS

Available in  
5/4x6:



Antique Mahogany



Birchwood



Coastal Gray



Driftwood Gray

Available in  
2x6 and  
5/4x6:



Light Gray



Sand



Weathered Wood

## TANDECK™ vs. OTHER MATERIALS



TANDECK™



WOOD



WOOD PLASTIC  
COMPOSITE



PVC

Ultra-durable



Will not absorb water, oils or chemicals



Will not rot, corrode, splinter or decay



Will not leach chemicals into the environment



Insect and marine borer resistant



Resistant to mold and mildew



Cap and core similar color



Low-maintenance and easy to clean



Doesn't require painting or staining



Made with recycled material



Will not absorb moisture



Exceptional aesthetics



# PRODUCT INFORMATION

## GENERAL INFORMATION

- Always consult local building codes prior to installing TanDeck products for specific requirements that may apply.
- TanDeck is not a structural load bearing product and should not be used in such applications. Consider Fiber Reinforced structural lumber.
- This guide is intended to provide basic instructions for proper working and installation of TanDeck. Both the purchaser and installer of TanDeck are solely responsible for understanding specific job conditions and determining the suitability of using TanDeck products.
- TanDeck color and embossed pattern may vary particularly between production batches. Ideally, complete your installation from the same production batch. All units are labeled with production batch numbers. Speak to your dealer to order a dedicated production run. Mix boards as you install and check the overall look before securing any boards.

## CLEANING INSTRUCTIONS

- For general cleaning, scrub the boards with an environmentally-friendly soap like Dawn, water and a plastic bristled brush. For tough stains, including rust spots, the boards can be scrubbed with Iron Out™ or similar product. Pressure washing is not recommended.

## STORAGE & HANDLING

- Store TanDeck on a flat, level surface to prevent it conforming to uneven surfaces.
- Allow TanDeck to acclimate to ambient temperatures after it is delivered to the job site. Separate and lay out individual boards for an hour or more before beginning installation.
- Avoid laying individual boards directly on hot concrete or asphalt surfaces to avoid uneven temperature conditions prior to install.

## LIMITED WARRANTY

- Tangent warrants that properly installed TanDeck plastic lumber products will not rot, splinter, decay or suffer structural damage directly from termites or fungal decay under normal use for a period of 50 years from the date of purchase (the “Warranty Period”). For full warranty information, please visit [tangentmaterials.com](http://tangentmaterials.com).

## FAQs

### What is the difference between TanDeck, Composites and PVC Decking?

Composites are made from a mix of plastic and wood flour, which can absorb moisture. PVC decking is not as tough as high density polyethylene (HDPE) and is limited to 16” spans. TanDeck is made from a blend of extremely tough recycled HDPE, strengthening agents, UV inhibitors and anti-static additives. It is excellent at absorbing impacts and has no wood or organic fibers that would make it susceptible to moisture that causes swelling, warping or splintering.

### How is TanDeck secured to the sub-structure?

It is recommended that TanDeck be face screwed using high-quality stainless steel composite deck screws that will last the life of the dock. No pre-drilling is required. Some hidden fastener systems can be used.

### What profiles and lengths does TanDeck come in?

Available in both 5/4 x 6 and 2 x 6, in lengths up to 24’ and supported by a range of profiles for fascia, pile strips, posts and rails, etc. Check your local dealer for availability.

### Will TanDeck get hot in direct sun?

Largely a function of color choice, heat absorbed on the surface of TanDeck is comparable to that of wood and other alternative decking products. Lighter colors absorb less heat and remain cooler to the touch than darker colors.

## TOOLS

- TanDeck is installed using the same tools normally used for drilling, cutting and routing wood.

## STORAGE AND HANDLING

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## USE OF FEATURE BOARD

- Do not design the layout of the deck surface to incorporate “butt joints,” random length patterns (end to end) or with mitered joints. Inconsistent and noticeable gapping could result with seasonal temperature variations.
- It is critically important to incorporate a “FEATURE BOARD” perpendicular to the orientation of the boards to be installed where the layout design is longer than an individual board:
  - Install blocking below the location where you plan to locate the FEATURE BOARD.
  - Install and secure all boards first, leaving them slightly long and extending into the FEATURE BOARD cavity.
  - Let boards acclimate to a median ambient temperature.
  - Snap chalk lines where the FEATURE BOARD will be located, having allowed for an appropriate gap on both sides of the FEATURE BOARD. See Gap Chart for the size of gap between the ends of the boards, and the FEATURE BOARD.
  - With a circular saw, cut along the chalk lines, trimming all boards at the same time to ensure the contraction and expansion will be the same for all boards.
  - Install FEATURE BOARD last, secured by face screwing in same pattern and spacing as you have installed the boards.

## EXPANSION & CONTRACTION

- TanDeck will expand and contract with variations in temperature. Face screw along the entire length to each joist to minimize and control expansion and contraction.
- Lay out all boards across joists and let acclimate to the average temperature of the day prior to face screwing.
- Consult Gap Chart (right) to determine the appropriate gap required at time of installation. These gaps are required on each end of every TanDeck board to allow for expansion and contraction in seasonal temperature changes. Proper gaps are determined based on the temperature during installation and a maximum board temperature reaching 120°F.

## FASTENERS

- TanDeck is installed using traditional tools used for drilling, cutting and routing wood.
- Face screw two screws per joist, or use hidden fastener system.
- Screws should be placed a minimum of 3/4” away from the board’s ends or edges.
- No pre-drilling is required.
- TanDeck 5/4” x 6” - #8 or #9 screw / 2.5” minimum length.
- TanDeck 2” x 6” - #9 or #10 screw / 2.75” minimum length.
- 316 grade stainless steel fasteners are recommended for coastal areas.

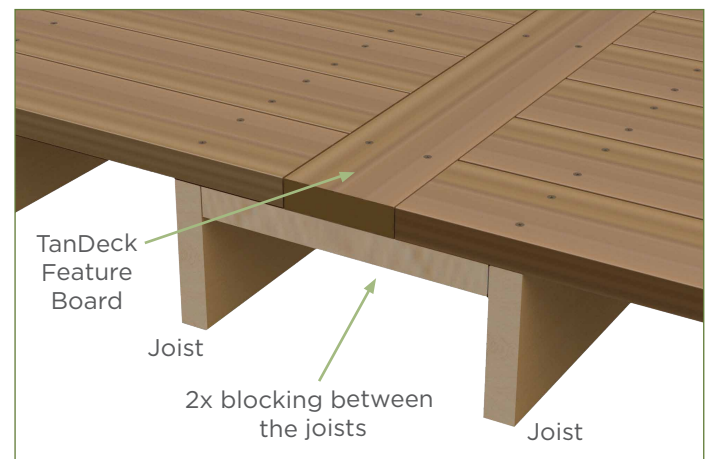
# TANDECK™

## INSTALLATION GUIDE

### SAFETY NOTE:

- Wear personal protective equipment.
- Proceed with caution around power tools.

## Feature Board Install Example



## Gap Chart

Install Temp (F)	Board Length (Feet)				
	6 ft	12 ft	16 ft	20 ft	24 ft
90°	1/16	1/8	1/8	1/8	1/8
80°	1/8	1/8	3/16	3/16	3/16
70°	1/8	1/8	3/16	3/16	1/4
60°	3/16	3/16	3/16	1/4	1/4
50°	3/16	3/16	1/4	5/16	5/16
40°	3/16	3/16	1/4	5/16	3/8
30°	3/16	1/4	5/16	3/8	3/8
20°	3/16	1/4	5/16	3/8	7/16
0°	1/4	5/16	3/8	7/16	1/2

**Example:** Installing a 12' board at an install temperature of 60°F in a climate where the maximum board temperature could reach 120°F, the recommended “gap” to leave on each end of the board is 3/16”.

## SPAN & LAYOUT CONSIDERATIONS

- TanDeck 2 x 6 boards can span up to a maximum of 24” on-center over the support joists; TanDeck 5/4 x 6 boards can span up to a maximum of 16” on-center.
- Do not overhang TanDeck beyond two inches from underlying support structure.
- To prevent visual variation of decking surface after install, it is VERY IMPORTANT that joists have sufficient and properly-installed solid bridging between the joists, every eight feet and that the top of the joists are level to each other.

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