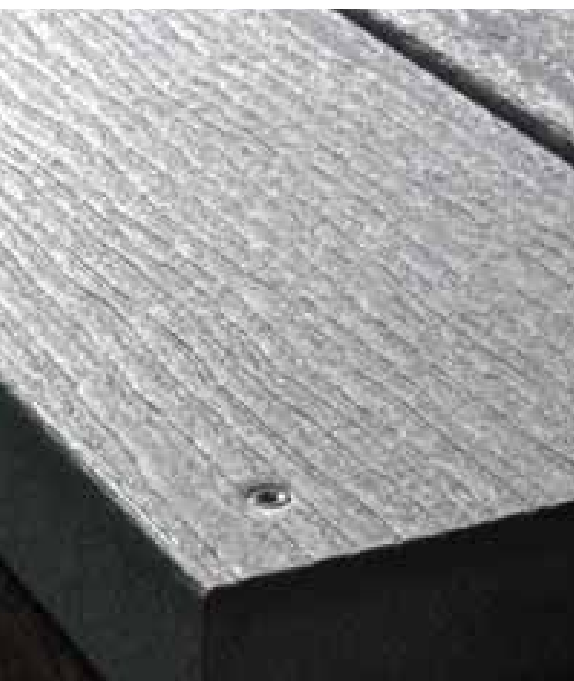


TANDECK™

Ultimate Marine Dock Board



TanDeck is a highly durable and resilient marine dock board engineered for residential boat docks and private commercial marinas. Ideal for pier waterfront properties and structures, it allows you to enjoy your investment without spending your free time maintaining it.



TANGENT
TECHNOLOGIES LLC

TANDECK™ Ultimate Marine Dock Board

This product meets all the necessary qualifications to be certified for the following claims:

50% RECYCLED CONTENT

INSTALL GUIDE & BEST PRACTICES

GENERAL INFORMATION

- Always consult local building codes prior to installing TanDeck for specific requirements that may apply.
- TanDeck is not a structural load bearing product and should not be used as such. Consider PolyForce™ Structural Recycled Plastic Lumber.
- This guide is intended to provide basic instructions for proper working and installation of TanDeck. Both the purchaser and installer of TanDeck, however, are solely responsible for understanding specific job conditions and determining the suitability of using TanDeck products.

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.

TOOLS

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

FASTENERS

- For optimum results, use a high quality stainless steel screw to match the lifetime of TanDeck.
- Face screw two screws per joist.
- Screws need to be a minimum of 3/4" from end of each dock board and off any edge.
- No pre-drilling is required.
- TanDeck 1 x 6 – #8 or #9 screw / 2.5" minimum length.
- TanDeck 2 x 6 – #9 or #10 screw / 3" minimum length.

SPAN & LAYOUT CONSIDERATIONS

- TanDeck 2 x 6 boards can span up to a maximum of 24" on-center over the support joists; TanDeck 1 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, and that the joist layout is level.

CLEANING & MAINTENANCE

- Unlike wood and composite decking materials, TanDeck NEVER needs to be sealed, stained or painted. Highly resistant to stains, a simple cleaning is all that is required. Normal dirt and grime is easily cleaned with water and a light stiff brush. Chemicals are not recommended. Pressure washing is neither required nor recommended as there is a possibility of damaging the TanDeck material if excessive pressure is applied with a power washer.

SAFETY

- Remember SAFETY is the single most important best practice.
- Wear proper clothing and eye protection just as you would when cutting, drilling and routing wood or similar products.

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 dock boards to be installed where the layout design is longer than an individual board.

Install continuous blocking below the location where you plan to locate the FEATURE BOARD.

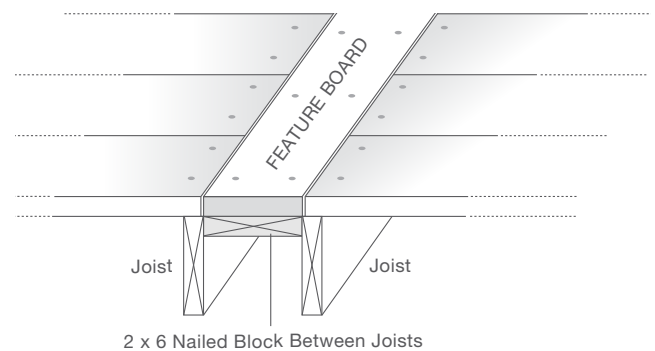
Install and secure all dock boards first, leaving them slightly long where the FEATURE BOARD is to be located.

Let dock boards acclimate to a median ambient temperature.

Snap chalk line where the FEATURE BOARD will be located.

Trim all dock boards at the same time to ensure the contraction and expansion will be the same for all dock boards. Leave an appropriate gap between the ends of the dock boards and the FEATURE BOARD. (See Gap Chart)

Install FEATURE BOARD last, secured by face screwing in same pattern and spacing as you have installed the dock boards.



EXPANSION & CONTRACTION

- Similar to traditional materials, 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 dock boards across joists and let acclimate to the average temperature of the day prior to face screwing.
- Consult Gap Chart below 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.

Install Temp	Board Length				
	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 ft 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”.