

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

FAQ: TANDECK™ Ultimate Marine Dock Board

How is TanDeck Ultimate Marine Dock Board material different from Wood Composite/Cellular PVC Decking material?

Leading composite decking is made from a mixture of plastic and waste wood or other organic fibers, which can absorb moisture and make the composite decking susceptible to fading, staining and swelling.

TanDeck is made from a proprietary blend of recycled HDPE plastics, strengthening agents, ultra violet (UV) inhibitors and anti-static additives. Because it contains zero wood or organic fibers, it is NOT susceptible to moisture that can cause staining, swelling, warping or splintering.

How should TanDeck be secured?

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

Can I build a dock's sub-structure with TanDeck?

TanDeck is not suitable for structural support. PolyForce™ Structural Recycled Plastic Lumber from Tangent is recommended for dock's sub-structure.

In what lengths is TanDeck available?

Please contact your Local TanDeck Dealer for TanDeck stocking lengths in your geographic region.

Will TanDeck fade or change color once installed?

TanDeck is pigmented throughout with the highest quality UV inhibitors that are designed to resist fading. However, ALL materials fade when subjected to years of UV exposure and harsh environmental elements.

In what colors is TanDeck offered?

TanDeck is offered in four standard colors: Cedar, Sand, Weathered Wood and Light Gray. In addition, local dealers may offer regional custom colors. Contact your Local TanDeck Dealer for availability and lead-time.

How do I care for TanDeck?

An occasional simple cleaning with water and a stiff bristle brush is all that is required. TanDeck is a non-porous product, so stains and mold will not be absorbed below the surface. And there is no need for chemical protectants such as sealants or stains. Do not use detergents, bleach-based cleaners or power wash.

Will TanDeck get hot in direct sunlight?

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 will naturally absorb less heat and remain cooler to the touch than darker colors.

50 Year Limited Warranty

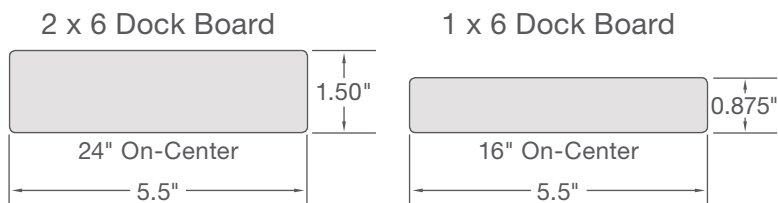
TANGENT TECHNOLOGIES warrants that when properly installed, TanDeck Ultimate Marine Dock Board will not rot, splinter, decay or suffer structural damage directly from termites or fungal decay under normal use for a period of (50) years from the date of purchase.

For full warranty information, please visit our website: www.tandeck.com

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(Related Accessory Profiles MAY be available in your region. Ask your Local TanDeck Dealer for details.)

TANDECK Profile Cross Sections



TANGENT TECHNOLOGIES

TanDeck is manufactured by TANGENT TECHNOLOGIES LLC, a leading manufacturer of extruded plastic lumber made from upcycled plastics like those found in milk bottles.

We create innovative solutions for our customers through tightly focused research & development, premium quality HDPE products, engineering expertise and exceptional customer service.

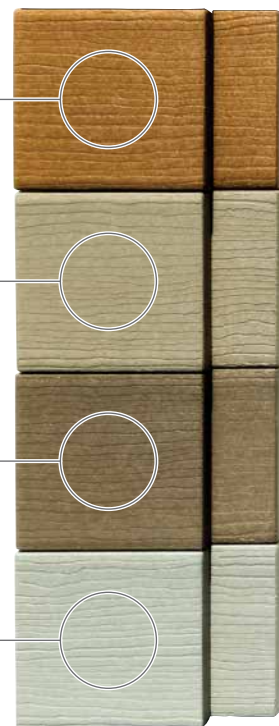
TANDECK Standard Colors

Cedar

Sand

Weathered Wood

Light Gray



(Actual colors may appear different; please select from product samples.)

TANDECK Features

Environmentally Friendly

Made from a minimum of 50% recycled plastics certified to meet FTC Green Guidelines, like those found in milk bottles. Redirecting it from the waste stream and recycling in-house at Tangent, we give new life to this valuable raw material.

Exceptionally Strong and Practical

TanDeck 2 x 6 boards allow true 24" on-center spans to replace wood decking for residential and private commercial applications. TanDeck 1 x 6 boards allow for 16" on-center spans.

Wood and Organic fiber-free

Exceptional resistance to splintering, moisture, warping, fading, insects and other hazards of harsh marine environmental exposure.

Low Maintenance

NEVER needs waterproofing, painting or staining; a simple cleaning is all that is required.

Quick and Easy Installation

No pre-drilling needed for fasteners. Easy to cut, rout and drill; work with TanDeck like any other natural wood product. No special tools needed.

Lasts a lifetime

50 year limited warranty.

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.

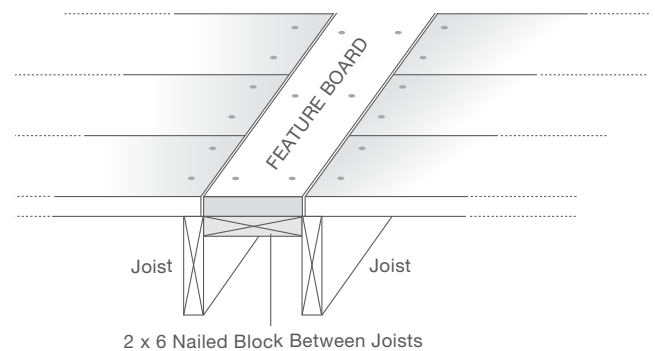
Install and secure all dock boards first, leaving them slightly long where the FEATURE BOARD is to be located.

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”.