

IMPORTANT ELEMENTS® PRODUCT INFORMATION

- Make safety of the workplace the prime consideration. Always wear the proper protective clothing and safety equipment.
- As with all walking surfaces, dock boards located in higher traffic areas may show wear earlier than other areas. Dragging furniture or other objects across the product will cause surface scratches.
- Like wood, color variation of Elements® DockBoards will occur. For optimal appearance, lay out and view all boards before cutting or fastening, placing all tagged ends in the same direction.
- Discuss any desired material changes, including color matching, with the supplier prior to cutting or fastening the dock boards to the structure.
- The weathering process for Elements DockBoard products will vary due to region, climate, rain, sunlight exposure, etc. Some variations in the dock boards shade will appear due to weathering that will occur at the supplier's yard prior to shipment and due to different product lots. For best results, use material from the same date code, (stamped on end or edges of boards) whenever possible.
- The color of Elements DockBoards will usually weather to a lighter shade after several months of exposure to the environment.
- Composite dock boards have a more flexible feel than wood primarily during the heat of summer. This is a natural condition that will not affect the ability of the dock boards to perform as warranted. For a more rigid feel, reduce joist span spacing by 4".
- Elements DockBoard must be installed in accordance with the installation instructions. Deviations from these instructions may result in unsatisfactory performance and may exclude coverage of your Elements DockBoards under the limited warranty.
- Elements DockBoards must never be applied directly to any solid surface (concrete, membranes, etc.) or in conjunction with systems where inadequate drainage or improper ventilation are found. There must be proper ventilation and adequate air circulation underneath the dock to promote the evaporation of any water or moisture.

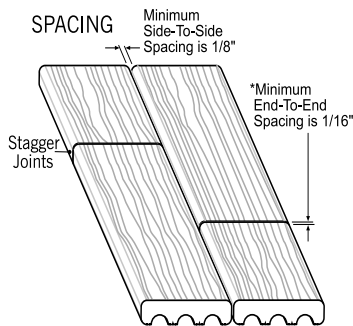
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CUTTING & DRILLING

When working with Elements DockBoard, saw blades and router bits with carbide tips are recommended. For best results, use blades with two teeth per inch. To avoid clogging when drilling holes, frequently remove shavings by raising the drill bit out of the hole.

SPACING

Elements DockBoard will expand and contract with changes in temperature. The amount of expansion and contraction will vary depending upon board size and temperature. Smaller boards will expand less and larger board sizes will expand more. When installing dock boards, side-to-side spacing must be a minimum of 1/8" between adjacent boards.



* End-to-end spacing between dock boards must be approximately 1/16" for every 20-degree increment of temperature difference between the temperature during installation and the maximum expected summertime temperature in your area. Butt joints of boards must be staggered. A sister joist may be utilized at the butt joint to provide a greater fastening area.

* EXAMPLE: 80°F at time of installation and a maximum expected summertime temperature of 100°F equals an end-to-end spacing of 1/16".

FASTENING

Elements DockBoard can be fastened by metal screws, wood/composite screws, or one of many hidden fastening systems available. **Consult your building professional to ensure selection of fasteners is compatible with your joist and substructure material.** The fastening decision is solely the responsibility of the contractor, installer or homeowner. TAMKO does not recommend or endorse any specific fastening system.

Like wood, pre-drilling the end/edges of the boards is required to avoid splitting or cracking. Pre-drilling is also required in cold weather. When pre-drilling, we recommend that the drill bit diameter be the same diameter as the fastener shank. Fasteners must be spaced at a minimum of 3/4" from the end of the board and 1" from the edge of the board.

Dock boards must be fastened at every joist. Two fasteners are required at the end of the board. Make sure joists are level.

A greater force is required to drive fasteners into dock boards especially when installing in cold temperatures.

• **METAL SCREWS** (into metal substructure) - Nominal 2" thick boards require a #12 - 2 1/2" or longer screw for fastening.

• **WOOD/COMPOSITE SCREWS** - Nominal 2" thick boards require a #8 - 3" or longer screw for fastening.

• **STRING LINE** - The use of a string line to align fasteners/boards is recommended to enhance the appearance of your finished dock. **(Do not use a chalk line)**

FASTENING Continued

• **FINISHING TOUCH** - DockBoard material will swell over fastener heads. Gently hammer the material down to cover the fastener head. Pre-drill fastener holes and/or use a counter sink bit to minimize this from occurring.

LUMBER SIZES & DIMENSIONS

Nominal Size	Actual Size
2" x 6" x (12', 16' & 20')	1.4" x 5-1/4"
<small>All tolerances +/- 1/16"</small>	

DOCK SPAN CHART

Maximum recommended center-to-center spans with a minimum of three joists are shown below. Elements DockBoards must not be applied to a solid surface.

DockBoard Span Chart

Live Load	Residential Docks Light Duty Docks	Commercial Docks Boardwalks & Marinas		
	100 psf	100 psf	200 psf	250 psf
2" x 6"	24"	24"	22"	20"

NOTE: When a 45° diagonal installation is used, subtract 6" in the maximum span.

Composite dock boards have a more flexible feel than wood primarily during the heat of summer. This is a natural condition that will not affect the ability of the dock board to perform as warranted. For a more rigid feel, reduce joist span spacing by 4". Dock boards cannot be cantilevered (overhang edge of dock) because structural support is required. Elements DockBoard is a non-structural construction product. The dock products must not be used as a structural member; including joists, load bearing columns, stringers, or beams.

For best results, add an additional joist at the butt joints to increase stiffness.

CLEANING

Semi-annual cleaning of your dock is recommended.

FOR DETAILED CLEANING INFORMATION:

Please visit the care and cleaning section on our website at elementsdecking.com.

After cleaning, flush the surface of the dock boards using a garden hose or a power washer hose with a fan-tip nozzle at a pressure not exceeding 1,000 psi to remove any excess cleaning agents.

IMPORTANT NOTE: Sanding the surface to remove stains must not be done.

HANDLING

Elements DockBoard is heavier and more flexible than traditional wood products. Use care and do not attempt to lift or carry more dock boards than you can safely handle at one time. Proper clothing and safety glasses must be worn at all times when working with dock boards.

Store unapplied material on a rigid, smooth, flat surface. The unused material should be kept covered and supported every 24".

Determination of the effectiveness, suitability, and safety of any application or use of Elements DockBoard is solely the responsibility of the Owner and/or Contractor. Building code regulations vary, and the Owner and/or Contractor must consult local building and safety codes for specific requirements prior to the application of Elements DockBoard.

LIMITED WARRANTY

TAMKO Building Products, Inc. provides a 15-year limited warranty for Elements Products installed in accordance with these written instructions. For a copy of the limited warranty see your Elements Dealer or visit elementsdecking.com. **Returns of or claims for dock products due to any condition that was clearly apparent prior to application/ fastening of product, will not be considered after dock boards have been applied/fastened to sub-structure, joist, etc.**

BUILDING CODE APPROVED

ATI-CCRR-0119

Refer to code reports on elementsdecking.com for product details.

TAMKO Building Products, Inc.
P.O. Box 1404
Joplin, Missouri 64802

- Technical Services: 1-800-641-4691
- Warranty Services: 1-800-441-7190
- Customer Service: 1-800-253-1401

elementsdecking.com

These application instructions were current at the time of printing. To obtain a copy of the most current version of the application instructions, visit us online at elementsdecking.com or call us at 800-641-4691.

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