



DOCK COLLECTION

Installation Instructions

To register your product, please visit: barretteoutdoorliving.com

1. Getting Started

- Proper planning of the dock design is the beginning of a successful project.
1. Completely read the application instructions... **before** starting the installation of the dock.
 2. Properly unload and store Dock Collection planks.
 - a. Do not dump or drop planks from the back of a truck or trailer. Flooring should be off-loaded by forklift or by hand.
 - b. Store planks on a level area on wood supports placed every 3' (914 mm).
 - c. Protect Dock Collection planks during storage with lumber cover or tarp.
 3. Use proper lifting techniques when lifting Dock Collection planks; they are heavier than standard wood materials.
 4. Use proper joist placement to realize savings in both time of installation and cost of materials. Make sure the joist direction maximizes the desired lay-out of the dock.
 5. Follow all local and state building codes when planning and installing your dock.
 6. Use normal wood working tools to cut or route Dock Collection planks. For cutting, use carbide-tip saw blades with approximately 2 teeth per inch.
 7. Use cordless drill with a quick drive bit for pre-drilling holes and screw fastening.
 8. Always use personal safety equipment when using tools.

2. Ventilation and Drainage

- Dock Collection planks must be installed with proper drainage and ventilation to maximize performance.
1. DO NOT install the boards such that any part will be submerged or become submerged.
 2. Substructure should allow for at least 2" (51mm) clearance from the water or grade to allow for adequate ventilation under the dock.
 3. DO NOT attach Dock Collection planks directly to any solid surface, watertight membrane, concrete, or existing decking.

3. Framing Your Dock

Use minimum nominal 2"x 8" (51 mm x 203 mm) sized joist for dock frame constructions.

NOTE:

To provide long term durability, marine grade CCA lumber is recommended for framing. If the use of CCA lumber is prohibited by local code or regulations, then KDAT (kiln dried after treatment) stamped framing lumber is recommended.

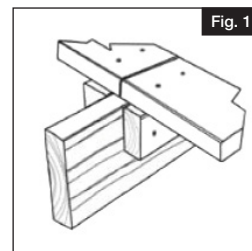
1. DO NOT use Dock Collection planks as structural members.
2. Use 24" (610 mm) on center joist spacing if the dock planks are to be installed perpendicular to the joist.
3. Use 16" (406 mm) on center joist spacing if dock planks are to be installed at an angle to the joist (maximum 45° angle).
4. Confirm required joist spacing with local and state building code agencies.

5. If heavy equipment is going to be installed on the dock planks such as a hot tub; consult the equipment manufacturer for specific requirements for framing and support.
6. Install the framing joist vertically with the 2" (51 mm) side in contact with the boards. Do not install dock planks on framing that has been installed flat with the 8" (203 mm) side in contact with the dock, because this may cause debris and moisture to be trapped between the framing and dock planks resulting in premature deterioration.

4. Blocking is Required Where the End of Two Dock Planks Meet

When the dock design is unique or is longer than the boards being used, blocking ("sistering") or additional framing is required.

1. DO NOT share joists or fasteners at butt end joints of dock planks. The ends of each plank must be individually supported and fastened (Fig.1).
2. Transition/divider planks or other intricate designs require additional blocking or framing.



5. Board Spacing or Gapping

Dock planks expand and contract as the temperatures and seasons change. Always space boards to provide the following minimum gaps to allow for these changes:

1. Side to Side, 3/16" (4.8 mm)
2. End to End, typically 3/16" (4.8 mm depending on board length and temperature (see Chart 1 – "Spacing Calculator").
3. Structure, typically 3/16" (4.8 mm) between all boards and any structure or post (see Chart 1 – "Spacing Calculator").

NOTE:

If Dock Collection planks are installed near or around a tree, be sure to allow for future growth of the tree.

Chart 1. Spacing Calculator

Maximum Anticipated Temperature Increase from Time of Installation																					
	10° (F)	12° (F)	14° (F)	16° (F)	18° (F)	20° (F)	22° (F)	24° (F)	26° (F)	28° (F)	30° (F)	32° (F)	34° (F)	36° (F)	38° (F)	40° (F)	42° (F)	44° (F)	46° (F)	48° (F)	50° (F)
Board Length	Required Gap (Inches) at Butt Joints or Other Immoveable Objects																				
6	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/8	1/8	1/8	1/8	1/8
7	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8
8	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8
9	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	3/16	3/16	3/16
10	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	3/16	3/16	3/16	3/16
11	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/8	1/8	1/8	1/8	1/8	1/8	1/8	3/16	3/16	3/16	3/16	3/16	3/16	3/16
12	1/16	1/16	1/16	1/16	1/16	1/16	1/8	1/8	1/8	1/8	1/8	1/8	1/8	3/16	3/16	3/16	3/16	3/16	3/16	3/16	1/4
13	1/16	1/16	1/16	1/16	1/16	1/8	1/8	1/8	1/8	1/8	1/8	3/16	3/16	3/16	3/16	3/16	3/16	3/16	1/4	1/4	1/4
14	1/16	1/16	1/16	1/16	1/8	1/8	1/8	1/8	1/8	1/8	3/16	3/16	3/16	3/16	3/16	3/16	1/4	1/4	1/4	1/4	1/4
15	1/16	1/16	1/16	1/16	1/8	1/8	1/8	1/8	1/8	3/16	3/16	3/16	3/16	3/16	3/16	1/4	1/4	1/4	1/4	1/4	5/16
16	1/16	1/16	1/16	1/8	1/8	1/8	1/8	1/8	3/16	3/16	3/16	3/16	3/16	3/16	1/4	1/4	1/4	1/4	1/4	5/16	5/16

NOTE: Always allow the greater of a 1/4" gap or the value from chart around column platforms. For values greater than those shown in the chart please contact us at 1-800-866-8101 or online at www.barretteoutdoorliving.com.

6. Color and Orientation of the Dock Planks

1. Dock Collection planks have a directional grain as a result, light will reflect off the surface of the board differently depending on the orientation of the grain.
2. To ensure a consistent color across the dock it is vital to maintain the same orientation of the dock planks during installation.
3. Always lay out the dock planks before final installation to ensure an acceptable color mix.

NOTE:

The semi-gloss surface of Dock Collection planks will weather to a natural matte finish over time.

7. Fastening

Traditional stainless steel composite deck fasteners can be used for Dock Collection planks.
Best Practices: Measure total width of the installed decking every 3-4 courses to confirm they are parallel.

1. Fasten Dock Collection planks with traditional stainless steel screw fasteners.
2. Use minimum #8 x 2½" stainless steel, trim head deck screws. Starborn offers Cap-Top xd #8 screws that are color matched. For harsher marine conditions, you may also use Type 316 grade stainless steel fasteners.
3. Pre-drill and countersink to match screw size, as needed.
4. Two fasteners are required at each joist, one on each side of the board; regardless of the joist spacing.
5. Drive fasteners straight directly through the deck boards at a 90° angle to the decking surface. Do not toe nail or drill at an angle.
6. Never place fasteners closer than 5/8" (16 mm) from the edge or ends of the planks.
7. For the best appearance, use a white chalk line to ensure straight fastener lines.

CAUTION:

Colored chalk can stain the decking and can be very difficult to remove.

8. Finishing the Installation

Trimming may be needed after all dock planks have been installed.

1. Dock Collection planks should NOT extend more than 2" (51 mm) beyond the framing in any direction.
2. Use a white chalk line to provide a cut line for squaring off the decking.

CAUTION:

Colored chalk can stain the decking and can be very difficult to remove.

3. Use a circular saw to trim the ends of the Dock Collection planks along the chalk line.
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9. Care and Cleaning

1. To maintain the appearance of your Dock Collection planks sweep periodically and clean spills with soap and water.
2. If grime, ground-in dirt, mold or mildew become a concern, consult the Composite Deck & Railing Care and Cleaning instructions online at: www.barretteoutdoorliving.com or call 1-800-866-8101.

CAUTION:

Only use pressure washers for low pressure wetting and rinsing. High pressure washing can damage the surface of the decking. Always test all cleaning products on an inconspicuous area before using on the entire deck.