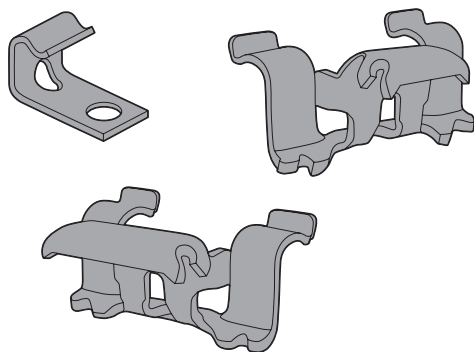




Model #BKT BRD VER HF C90
BKT BRD VER HF C900

INSTALLATION INSTRUCTIONS

ARMORGUARD® HIDDEN FASTENERS



THANK YOU

We appreciate the trust and confidence you have placed in Fibron through the purchase of these hidden fasteners. We strive to continually create quality products designed to enhance your home. Visit us online to see our full line of products available for your home improvement needs. Thank you for choosing Fibron!

Safety Information

Read and understand this entire manual before you begin the installation of your decking using Fibron ArmorGuard Hidden Fasteners.



WARNING: Use extreme caution when using power tools.



CAUTION: Fasteners have sharp edges. Use proper care when handling. The use of gloves is recommended.



Questions, problems, missing parts? Before returning to the store, call Fibron Customer Service
8 a.m. - 5 p.m., EST, Monday - Friday

1-800-230-7547

FIBRONDECKING.COM

Retain this manual for future use.

FIB-662-PKG 1/19

Pre-Installation



IMPORTANT: Follow local applicable building codes. Careful planning of the finished deck layout will result in better looking finished projects. Failure to follow installation guidelines could void the warranty.



IMPORTANT: Read the instructions for both the decking and railing systems planned for the project. Thoroughly reading all instructions first will make for more profitable projects. Failure to do so may result in more difficult installation and may void the warranty.

The Fibron® ArmorGuard® Hidden Fastener is a deck fastening system designed specifically for grooved (GV) deck boards, and is a fast and simple way to create a smooth deck surface, uninterrupted by visible screws or nails.

Fibron ArmorGuard Hidden Fasteners are not recommended for use in installations above elevations of 6,500 ft. Hidden Fasteners are not intended for use on stair treads. Stair treads require the use of straight-edge boards and must be surface fastened/screwed.

BEFORE YOU BEGIN THIS INSTALLATION

Airflow And Drainage

Make sure there is adequate and unobstructed air flow under 50% of the deck. Allow a minimum of 1.5 in. unobstructed/net-free space between the bottom of the joists and the ground. Water must be able to flow away from under the deck. Improve drainage or grade flat areas where standing water may gather. Do not install decking directly to an existing or solid surface and do not enclose the decking to the ground.

Joist Spacing Considerations

Joist location is important for the safety of the deck and will affect the layout, cost, and ease of installation for the railing system. If railing will be installed, determine rail post placement prior to joist construction. Joist spacing in residential installations is 16 in. o.c. if laying decking perpendicular to the joists. Diagonal installations require 12 in. o.c.

Expansion And Spacing Considerations

All decking materials, whether wood, composite, or metal, undergo some degree of linear expansion with the changes of weather and the seasons. For best spacing results, keep boards out of direct sun during storage and cutting processes, and throughout installation if possible. To compensate for the effects of contraction and expansion, use short boards (where possible) with splitter/divider boards between each continuous run of boards.

Adequate board spacing of a minimum 3/16 in. between board sides will provide proper drainage and ventilation and assist with the removal of small organic debris. Allow a minimum of 1/4 in. spacing between boards and any permanent structure. Spacing requirements must be met for full warranty coverage.

End-To-End Spacing By Temperature Fibron ArmorGuard

35° and under	35°– 69°	70°– 89°	90°– 109°	110° and up
1/4 in.	3/16 in.	1/8 in.	1/16 in.	1/32 in.

Pre-Installation (continued)

HELPFUL TIPS

- Start screws using a slower speed until the screw is engaged into the joist. Increase speed while maintaining sufficient pressure to drive the screw fully without overtightening. Starting with too much speed, or without enough pressure, can cause stripping.
- Change driver bits regularly.

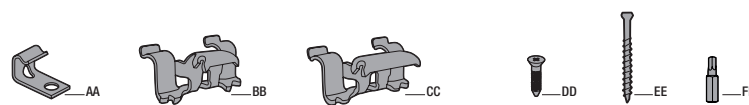
TOOLS REQUIRED



HARDWARE INCLUDED



NOTE: Hardware not shown to actual size.



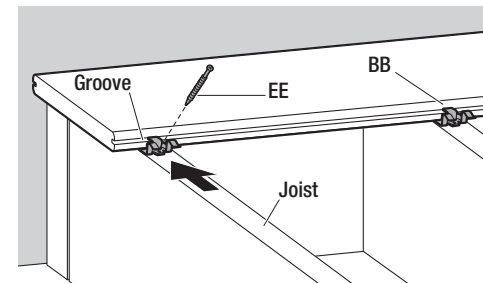
Part	Description	Quantity (90 ct box)	Quantity (900 ct box)
AA	Start/stop fastener	6	60
BB	Line fastener	80	800
CC	Butt joint fastener	10	100

Part	Description	Quantity (90 ct box)	Quantity (900 ct box)
DD	#8 x 7/8 in. Screw	6	60
EE	#8 x 1 5/8 in. Screw	95	950
FF	#1 Square drive bit	1	8

Installation

1 Installing the first deck board

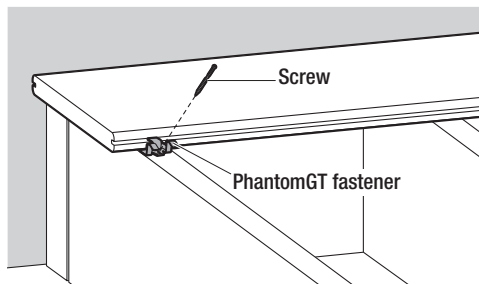
- Secure the start/stop fasteners (AA) a minimum of 1/4 in. from the wall with a single screw (DD) into the joist.
- Space the start/stop fasteners (AA) no greater than 12 in. apart.
- Position the deck board and insert the start/stop fastener (AA) into the edge groove. It may be helpful to angle the deck board slightly to fully seat it onto the fasteners.
- Ensure that the start/stop fastener (AA) is fully inserted into the edge groove.



Installation (continued)

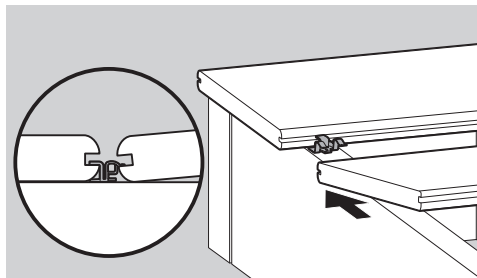
2 Installing the hidden fasteners

- Insert the single tab of a hidden fastener (BB) into the side groove of the deck boards at every joist. The single tab should engage the deck board by a minimum of 5/16 in.
- Center the fastener screw hole on the joist.
- Use the butt joint fastener (CC) to secure the ends of two boards.
- Secure the hidden fasteners (BB) to the joist using a screw (EE) angled toward the first deck board. Do not overtighten.



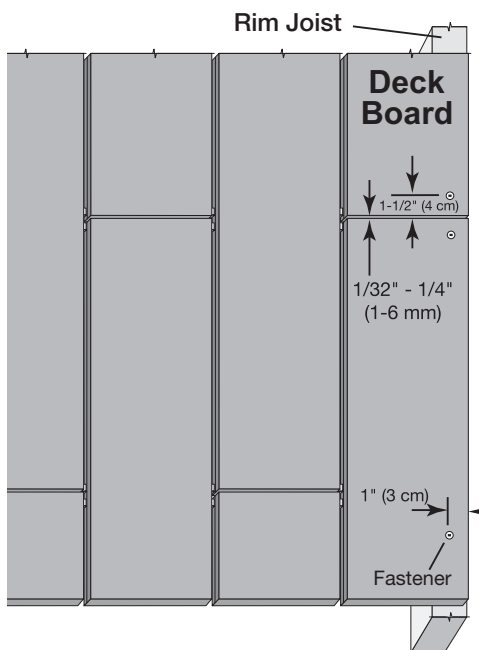
3 Installing the remaining boards

- Position the next deck board against the fastener tabs and slide the board onto the tabs. When installed properly, the hidden fastener (BB) will ensure a 3/16 in. gap.
- Repeat installing the hidden fasteners (BB) and positioning the boards to complete the deck.



4 Securing the final deck board using the face fasten method

- Pre-drill the final deck boards with a 1/8 in. bit along the outside edge of the deck board at every support joist.
- Ensure that the holes at the end of the board are a minimum of 1-1/2 in. from the board end.
- Ensure that the holes along the grooved edge are a minimum of 1 in from the side of the board.
- Secure the final deck board using a minimum #8x2-1/2 in. composite deck screw (not provided) in each pre-drilled hole. Do not overtighten.



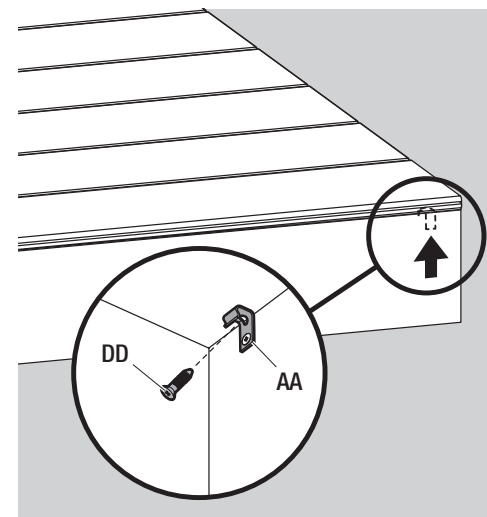
Installation (continued)

5 Securing the final deck board using start/stop fastener method (Option 1)



NOTE: Only applicable for installation of flat bottom board. Start/stop fasteners are not approved to secure boards with a scalloped bottom.

- Position the start/stop fastener (AA) on the inside of the rim joist and secure it with a single screw (DD) into the rim joist.
- Space the start/stop fasteners (AA) no greater than 12 in. apart.
- Position the final deck board. Secure the deck board by angling a screw (DD) through the fastener and into the board at a 30°–45° angle.
- Ensure that the screw inserts fully and pulls the deck board down.



6 Securing the final deck board using start/stop fastener method (Option 2)



NOTE: Only applicable for installation of flat bottom board. Start/stop fasteners are not approved to secure boards with a scalloped bottom.

- When the width of the rim joist exceeds 1-1/2 in., the start/stop fasteners (AA) should be secured to outer edge of the rim joist.
- Position the start/stop fastener (AA) on the outside of the rim joist and secure it with a single screw (DD) into the rim joist.
- Space the start/stop fasteners (AA) no greater than 12 in. apart.
- Position the final deck board. Secure the deck board by angling a screw (DD) through the fastener (AA) and into the board at a 30°–45° angle.
- Ensure that the screw inserts fully and pulls the deck board down.

