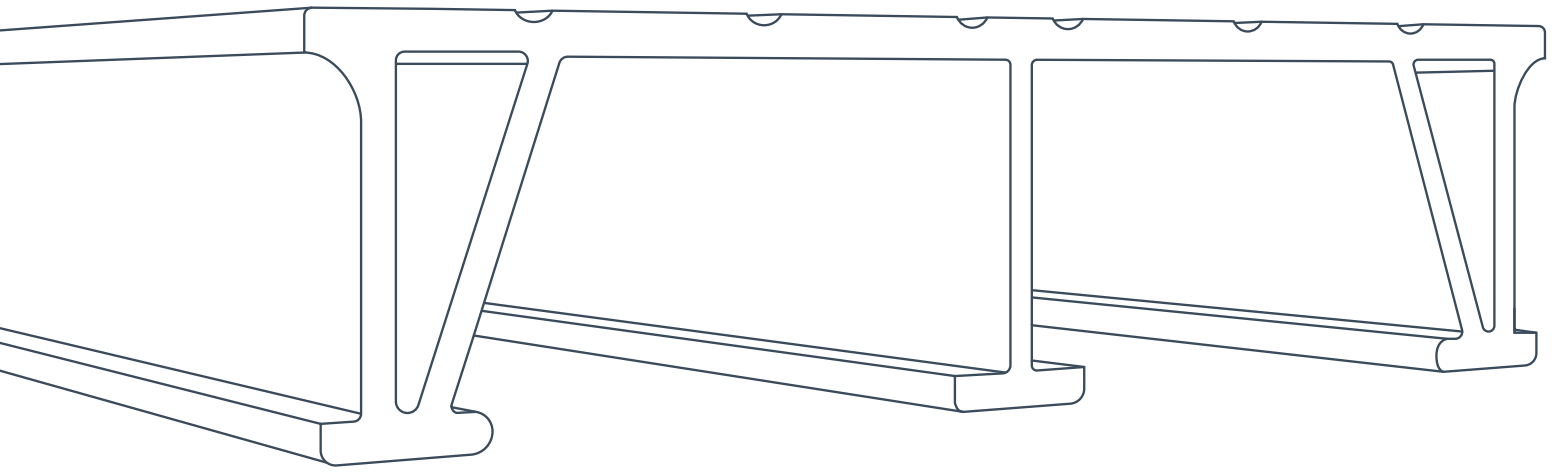
trusscore®
material + science



DockDeck™ by Trusscore® Installation Guide

DockDeck™ by Trusscore®

DockDeck by Trusscore is a lightweight, low-maintenance PVC dock system that's slip and stain resistant.

DockDeck by Trusscore is the ultimate lightweight and long-lasting dock decking material — without the hassles that accompany other dock products. When you build your dock with DockDeck, you'll not only enjoy the look and feel but also reap the rewards of a high performing product for decades to come.

Contents

Warranty

For more information on product warranty please visit trusscore.com/warranty

Congratulations on your decision to build with DockDeck by Trusscore!

Your project will soon look amazing, and it will last a lifetime. If you've never installed DockDeck before, or even if you've installed it in the past, be sure to familiarize yourself with this guide. It's filled with helpful tips and a few must-do's that will make your installation successful.

Let's get started!

Tools Required

Before starting installation gather the following tools and supplies.

- Non-marring rubber mallet or 20 oz deadblow hammer
- Drill
- Handsaw
- Chalk Line
- Level
- Framing Square
- Sawhorses
- Safety Glasses
- Circular or Table Saw
- Joist Tape

General Recommendations

Cutting

As a simple method of eliminating cracking or chipping DockDeck, use a saw blade designed to cut vinyl products.

Coarse-toothed blades should be avoided for best results. As an additional option, concrete/masonry blades can be used. For all blades, apply smooth even pressure to the product when completing the cut.

We recommend a 32T carbide tip blade.

In cold weather, move the saw through the material slowly to prevent chipping or cracking. Performing a test cut will allow you to confirm the performance of your cutting tool without impacting your project. For your safety, safety goggles and a face mask should be worn while using a power saw.

Substructure

DockDeck can be installed on a treated wood substructure, as well as on an aluminum substructure for pole, rolling, and tower docks.

Fastening

DockDeck is designed to be installed with screws. Use only corrosion-resistant (galvanized, stainless steel or aluminum) #8 screws (Fig. 1).

Roofing nails may be required for some finishing options.

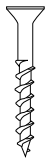
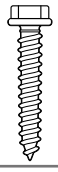
Dock Frame Assembly	Screw Recommendation	
Wood	#8 Round Head	
Aluminum	#8 Hex Washer Head	

Fig. 1

⚠ Do not use nails to fasten DockDeck boards. Failure to follow fastening instructions may damage the boards and/or void the warranty.

Joist Tape

For installation of DockDeck on pressure treated wood structures, **it is recommended that the top surface of the dock substructure is covered with joist tape**. This will protect the aluminum Clip Strips from corrosion as well as ensure the dock structure lasts the lifetime of DockDeck (Fig. 2).

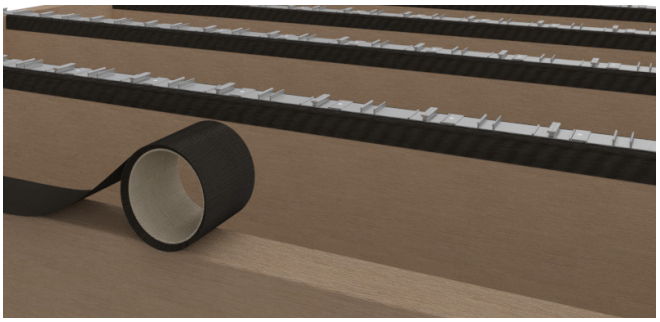


Fig. 2

Planning & Preparation

Important Safety Information

- Always check for power, gas, water lines, or submerged obstructions before digging
- Always wear safety glasses when operating power tools

Planning Your Installation

Planning the dock layout before beginning installation is essential. Starting with a well-developed plan will simplify the installation of the DockDeck boards and dock components.

Consult a local building supply location to ensure your project meets local building code requirements for your specific installation.

To ensure dock projections and finishing detail is uniform for all sides of the dock, choose from among the various finishing and trimming options prior to starting the project.

- Obtain all necessary building permits prior to starting your installation
- Read this Installation Guide thoroughly before beginning installation
- Follow the instructions for the methods and styles that apply to your installation

Temperature Requirements

It is not recommended to install dock boards when the temperature is below 32°F (0°C).

Forceful blows are required to seat the dock boards into the Clip Strips (if using a rubber mallet), and cold temperatures will make the PVC dock board brittle.

Installation

Step 1. Frame Substructure

Frame the substructure and secure the railing post supports in compliance with local building codes.

- Substructure should be plumb and square
- Make sure the top of each joist is flush with the tops of the ledger board, band board and rim joists
- Dock Installations - Support joists should be spaced to a maximum of 24 inches on center to ensure the substructure provides for dock board attachment on centers not exceeding 24 inches
- **For installation on pressure treated wood, joist tape is recommended to protect Clip Strips from corrosion**

Note: Large docks (over 24 feet wide) require the use of two dock boards (end-to-end). Where the ends of the boards meet, sister two joists so that you can attach the dock boards to the substructure.

Install Railing Support Posts to Substructure

Before installing the DockDeck boards, fasten the railing post supports to the substructure. Do not mount the post supports on top of the DockDeck boards.

Step 2. Install Clip Strips

Clip Strip assemblies mounted to the substructure are designed to hold the DockDeck boards in place. A Clip Strip assembly must run the entire length of each joist.

About Clip Strips

Each complete Clip Strip assembly consists of a Start/Finish Clip Strip plus a combination of pre-assembled Clip Strips with an optional single piece. A 6-inch Clip Strip by itself is not designed, as an example, for 12 pieces of planking. You always start with either the larger or smaller half of a Start/Finish Clip Strip (Fig. 3).

- Pre-assembled Clip Strips are available in 3, 4, or 5-foot lengths.
- 6-inch Single Clip Strips are used to fill gaps when there is a difference between the length of the designed dock and the length of the pre-assembled Clip Strips.
- When calculating the number of Clip Strips needed to cover the entire length of the joist, remember to add the 6-inch length of a Start/Finish Clip Strip.

Since a Start/Finish Clip Strip must be used, a typical combination for a 12-foot dock will use:

(1) Start/Finish Clip Strip

(1) 3-foot pre-assembled Clip Strip

(2) 4-foot pre-assembled Clip Strip

(1) 6-inch Single Clip Strip

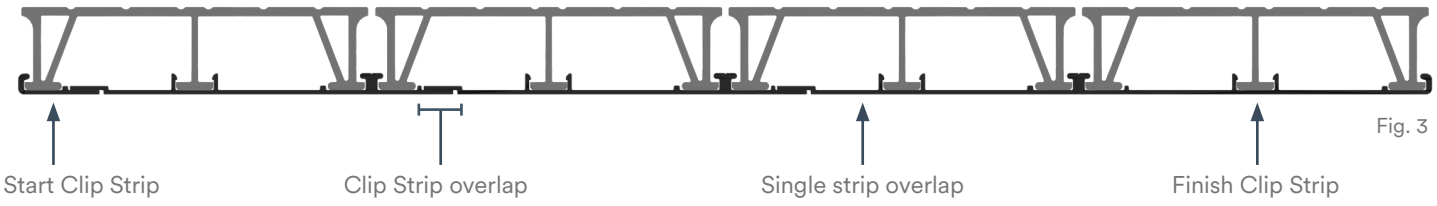


Fig. 3

Start/Finish Clip Strip (6-inch)

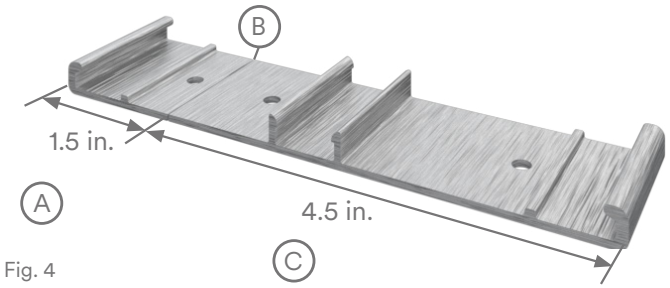


Fig. 4

A Starter section

B Scored line

C Finish section

Install Clip Strips to Substructure

1. Grasp the Start/Finish Clip Strip on either side of the scored line, and then bend the clip until it breaks apart, as shown. The shorter section is the Starter Clip, and the longer section is the Finish Clip (Fig. 5).

⚠ For pressure treated wood surfaces, apply joist tape to substructure prior to installing Clip Strips.

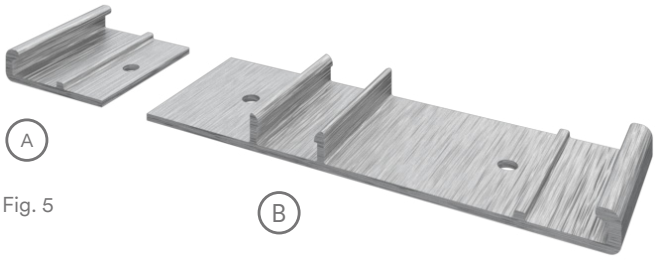


Fig. 5

A Starter Clip

B Finish Clip

2. Place the Starter Clip at the end of the framed substructure. Set aside the Finish Clip to use at the other end of the joist.
3. Overlap one end of the pre-assembled Clip Strip with the Starter Clip so that the holes in each are aligned (Fig. 6).
4. Using a stainless-steel screw (screw recommendations), secure both Clip Strips to the substructure (Fig. 7).

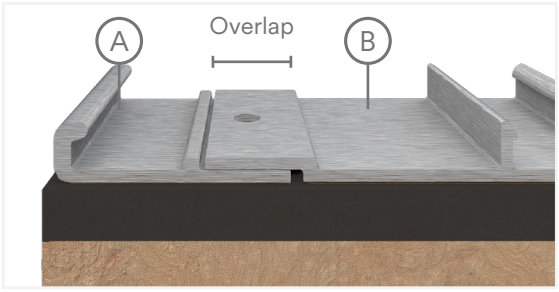


Fig. 6

A Starter Clip

B Clip Strip

⚠ **DO NOT** overtighten screws.

5. Making sure the entire length of the pre-assembled Clip Strip is square to the substructure; secure the remaining length of the Clip Strip to the DockDeck board support through the screw holes provided (Fig. 8).

Note: Use the 6-inch Single Clip Strips to fill in when adding a 3-foot strip would make the assembly too long.

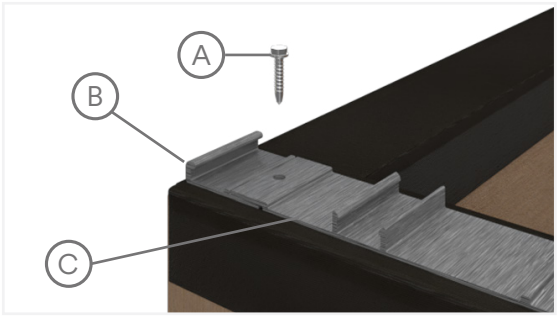


Fig. 7

A Decking Screw

B Starter Clip

C Clip Strip

6. When you have reached the end of the joist, place the end of the Finish Clip so that it butts up against the end of the pre-assembled Clip Strip.

Note: When encountering sistered joists, place the next Clip Strip in parallel onto the next joist (instead of overlapping).

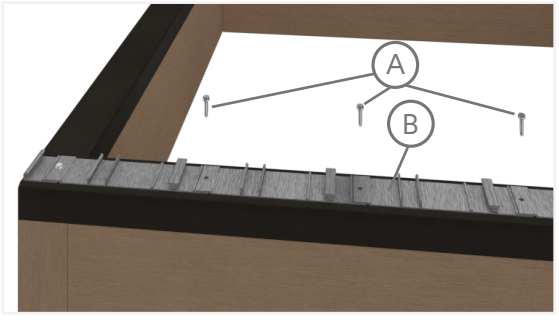


Fig. 8

A Decking Screw

B Clip Strip

7. Using two stainless steel screws, fasten the Finish Clip to the substructure joist (Fig. 9).

Note: The entire Finish Clip must rest on the substructure frame. If the remaining substructure frame is too short, cut the Finish Clip so that no part of the clip is hanging off the edge of the substructure. See "Special Situation" on page 8.

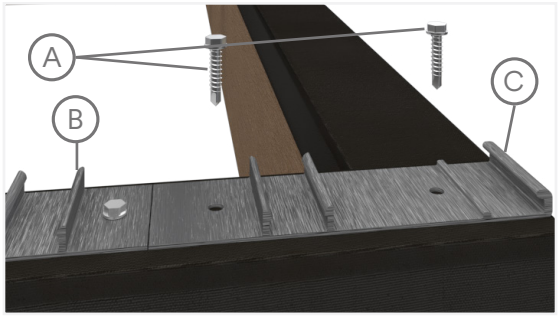


Fig. 9

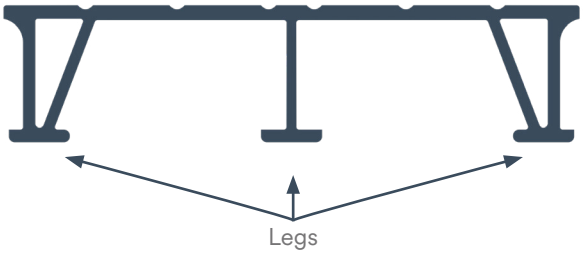
A Decking Screw

B Clip Strip

C Finish Clip

Step 3. Install DockDeck Boards

Each DockDeck board has three legs that protrude from the underside.



⚠ The use of a non-marring rubber mallet or dead blow hammer is required to fully seat the "legs" of the DockDeck boards into the clips in the Clip Strips. Therefore, it is not recommended to install dock boards when the temperature is below 32 °F (0 °C).

DockDeck boards can be removed if there is access to the underside of the dock. Using a rubber mallet, get under the dock and strike the leg of the board near the clip location to dislodge the board from the clip strips but do with caution.

1. Cut the dock boards to length.

   Note: The overhang, if desired, should be no greater than 2 inches from edge of substructure.

2. Place the DockDeck boards across each joist so that the board legs are aligned with the clips and the ends of each board overhang the substructure the length required for the desired finishing options.

3. Insert the outer dock board leg fully into the clips closest to the structure's edge or previously installed board (Fig. 10).

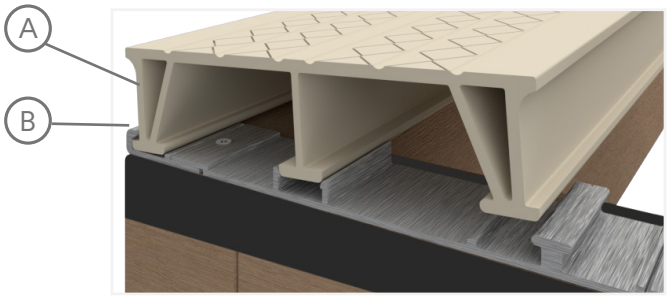


Fig. 10

A Outer Leg

B Clip

4. Set the dock board down so that the remaining two “legs” of the dock board are resting over the clips.

5. Using a non-marring rubber mallet, strike the DockDeck board above the outer “leg.” The leg of the board will “pop” into the Clip Strip (Fig. 11).

6. Finally, strike the center of the DockDeck board to “pop” the inner leg into the Clip Strip (Fig. 12).

7. Repeat steps 5 and 6 at each joist location along the length of the DockDeck board.

8. Repeat this procedure to install the remaining DockDeck boards.

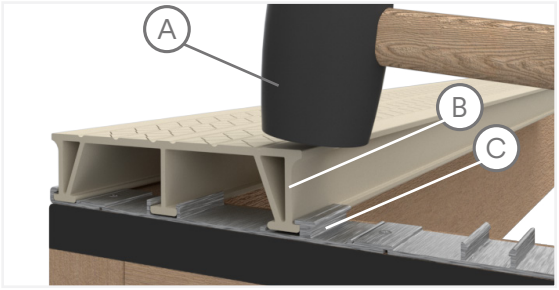


Fig. 11

A Rubber Mallet

B Outer Leg

C Clip Strip

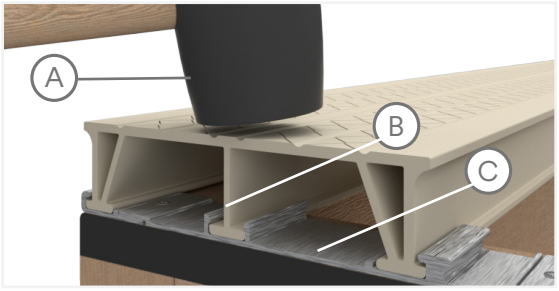


Fig. 12

A Rubber Mallet

B Inner Leg

C Clip Strip

Special Situation

When the remaining length of the substructure will not accommodate the entire length of the Finish Clip you must cut all the Finish Clips to length, and then use a treated wood strip/block or rectangle aluminum tube to support the long edge of the DockDeck board.

⚠ To cut the Finish Clips, use a cut-off saw—also known as an abrasive chop saw or cold-cut saw. Be cautious, as some saws can generate sparks and heat when cutting metal.

1. Cut the Finish Clips to length so that the end of the clips are flush with the end of the substructure.

2. Cut the last DockDeck board lengthwise so that the long edge is either flush with the end of the substructure or overhangs the substructure by 1-½ inches if using C Channel trim.

3. Attach the remaining DockDeck board “leg(s)” to the installed Finish Clips.

4. Place a treated wood strip/block (1-¼ inches H x length of the dock board) beneath the cut edge of the DockDeck board.

5. Using stainless steel #8 screws, fasten the DockDeck board to the support structure through the treated wood strip/block (Fig. 13).

6. Trim and finish the DockDeck board and substructure as desired (Fig. 14).

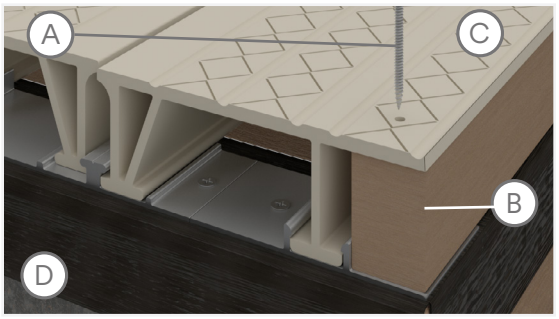


Fig. 13

A Decking Screw

B Treated Wood Block or Rectangle Aluminum Tube

C Dock Board (cut to size)

D Substructure

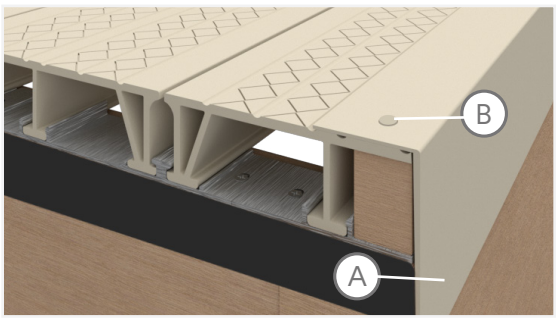


Fig. 14

A L Trim

B Pushpin

Finish and Trim Installation

A variety of finishing and trimming options are possible for the DockDeck system. Choose the options best suited to your dock design.

In general, all corners where the fascia boards meet can be covered with L Trim and supporting posts can be covered with post wraps. The ends of the dock boards can be finished and trimmed using other options. See Finish the ends of the DockDeck boards below.

Finish the Ends of the DockDeck Boards

Option 1 — C Channel and pushpins

To finish the ends of the DockDeck boards using C Channel, the boards must overhang the substructure by a minimum of 1-½ inches to a maximum of 2 inches.

1. Cut C Channel and place it over the ends of the DockDeck boards.
2. Drill a ¼ inch hole every 16 inches through the C Channel and top surface of the DockDeck board; making sure to avoid contact with the supporting “legs” of the boards.
3. Using the pushpins provided, fasten the C Channel to the DockDeck board (Fig. 15).

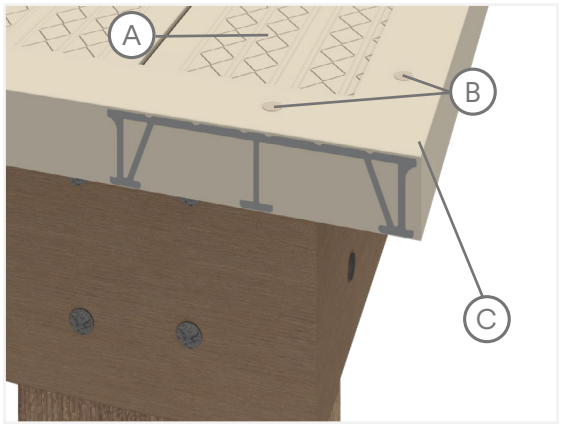


Fig. 15

A DockDeck Board

B Pushpins

C C Channel

Option 2 — C Channel fastened from underneath

1. Cut C Channel and place it over the ends of the DockDeck boards.
2. Using stainless steel #8 screws and working from the underside of the DockDeck board, fasten the C Channel to the board (Fig. 16)

⚠ When fastening the C Channel trim to the DockDeck board, make sure the screw is contacting the board legs.

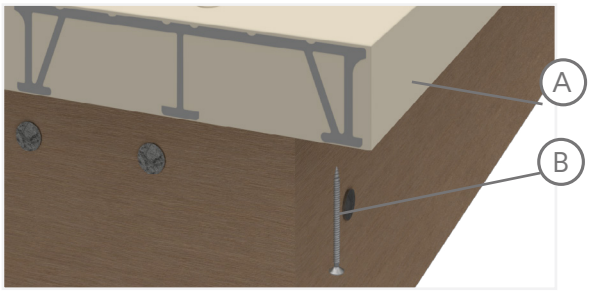


Fig. 16

A DockDeck Board

B Decking Screw

Option 3 — L Trim and pushpins

This option can be used for any side of the dock structure, with or without an overhang.

1. Cut and place the L Trim (1-½ inch x 1-½ inch or 1-½ inch x 3 inch) over the ends of the DockDeck boards.
2. Drill a ¼ inch hole every 16 inches through the L Trim and top surface of the DockDeck board; making sure to avoid contact with the supporting “legs” of the boards.
3. Using the pushpins provided, fasten the L Trim to the DockDeck board, as shown (Fig. 17).

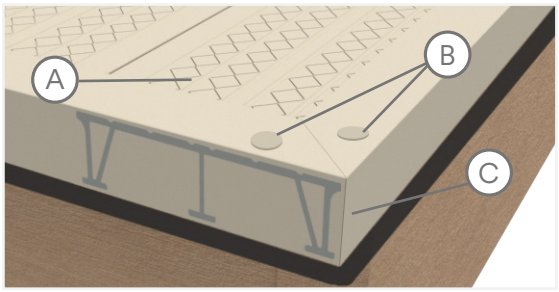


Fig. 17

A DockDeck Board

B Pushpins

C L Trim

Option 4 — DockDeck End Caps

1. Place the DockDeck End Cap over the end of the board.
2. Using the predrilled hole in the End Cap as a template, mark the location of the hole onto the center “leg” of the DockDeck board.
3. Remove the DockDeck End Cap. Drill a ⅛ inch starter hole through the center “leg” of the board at the marked location
4. Replace the End Cap. Using the pushpin supplied with the End Cap, fasten the End Cap to the DockDeck board (Fig. 18).
5. Repeat for each exposed end of the installed DockDeck boards.

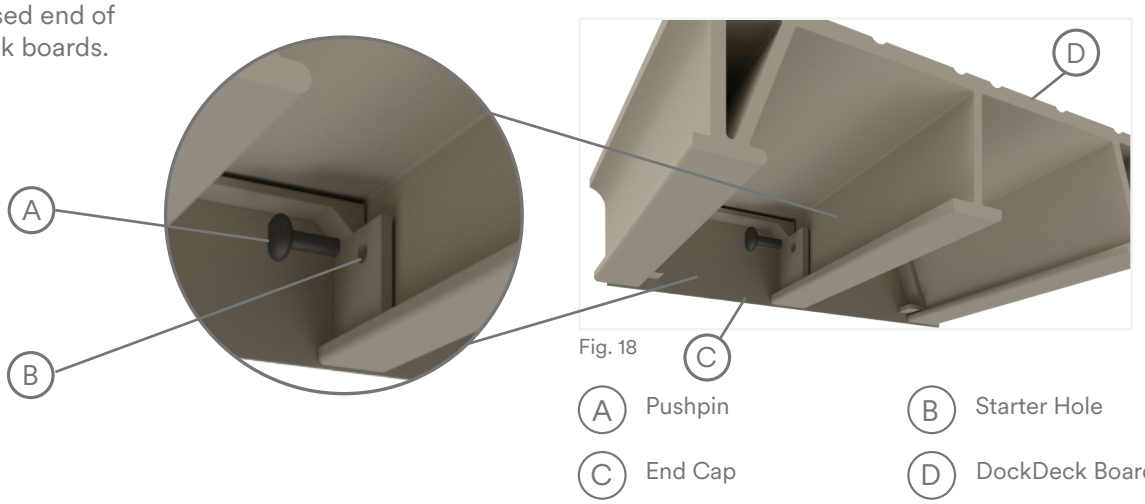


Fig. 18

A Pushpin
B Starter Hole
C End Cap
D DockDeck Board

Option 5 — Picture Frame a Dock Made with DockDeck

Elevate the aesthetics and functionality of the dock made from DockDeck by picture framing with alternate materials, including treated wood (Fig. 19).

Ensure a ¼" inch gap between the end of the board and the frame to allow for expansion and contraction. (Fig. 20)

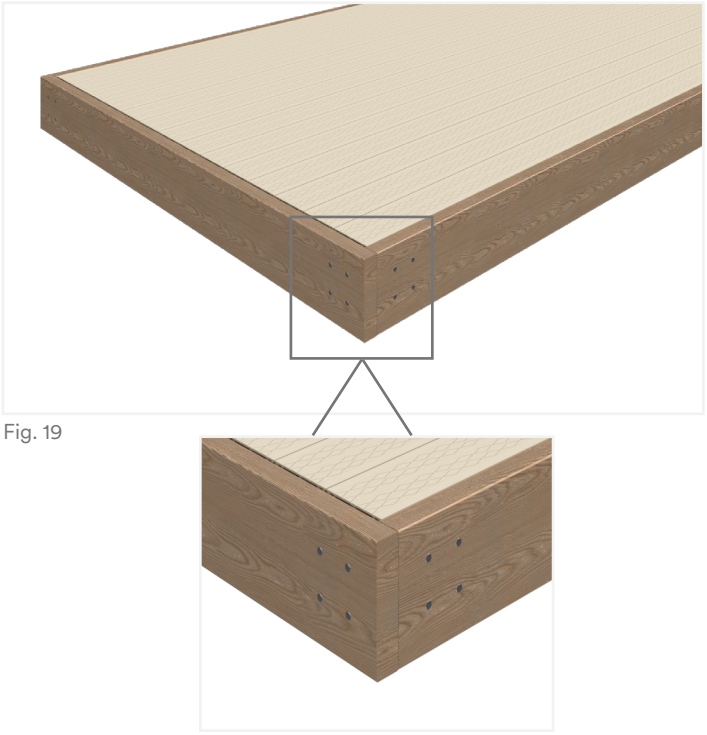


Fig. 19

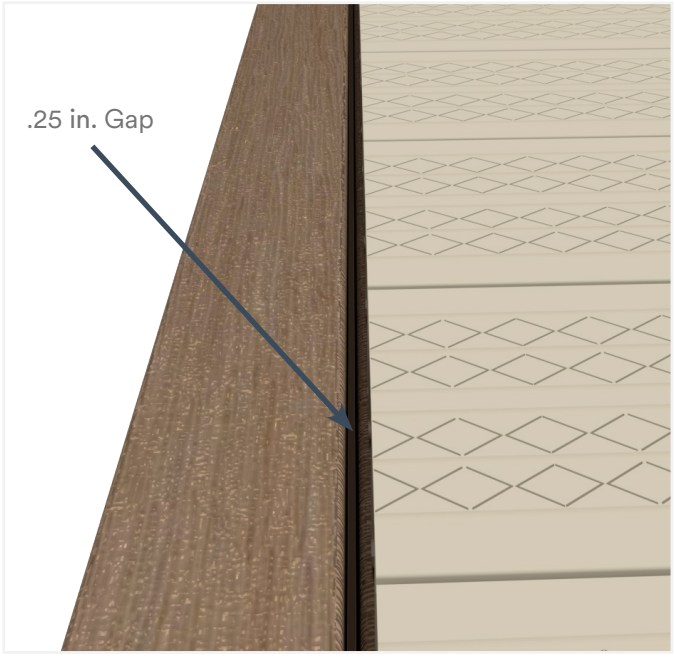


Fig. 20

Using treated wood to frame the dock allows for the installation of moorings, cleats, and other dock accessories.

⚠ We do not recommend installing dock accessories directly to the DockDeck board. Secure accessories to the treated wood framing.

Finish Substructure Supports - DockDeck Post Wrap

1. Cut the 3-½ inch DockDeck Post Wrap to the desired length.
2. Create an opening in the Post Wrap for the post bracket. Cut out a section in the back of the Post Wrap to allow the wrap to slide over the post bracket that is attached to the dock substructure.

⚠ Cut out a section just wide enough to allow the Post Wrap to slide over the post bracket.
Cut only the section along the length of the Post Wrap that will be BELOW the post bracket.

3. Slide the Post Wrap over the substructure support (Fig. 21).
4. Cover the end of the Post Wrap with the DockDeck 3-½ inch Post Cap.
5. Repeat for each substructure support.

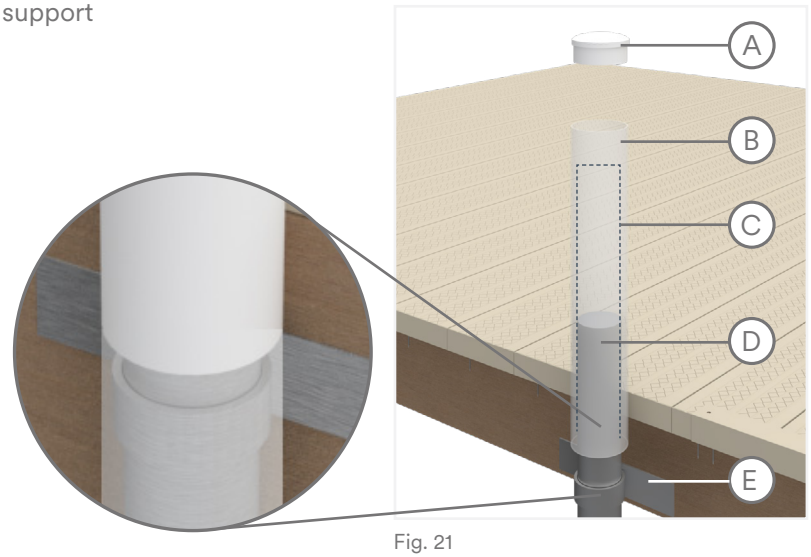


Fig. 21

(A) DockDeck Post Cap
(B) DockDeck Post Wrap
(C) Post Bracket Opening
(D) Post
(E) Post Bracket

Finish the Dock Substructure - DockDeck Edge Guard

The DockDeck Edge Guard Assembly is designed to prevent boats from scraping against the substructure of the dock (Fig. 22).

⚠ Lifting and securing the Edge Guard Assembly will require 2 or more people depending on the length of the assembly.

The DockDeck Edge Guard Assembly includes:

- Edge Guard
- Edge Guard Connector - designed to slip over the substructure support (that has been covered with the DockDeck Post Wrap)
- Insert Slip Sleeve - designed to slide inside the Edge Guard and Edge Guard Connector to hold pieces together
- Edge Guard End Cap

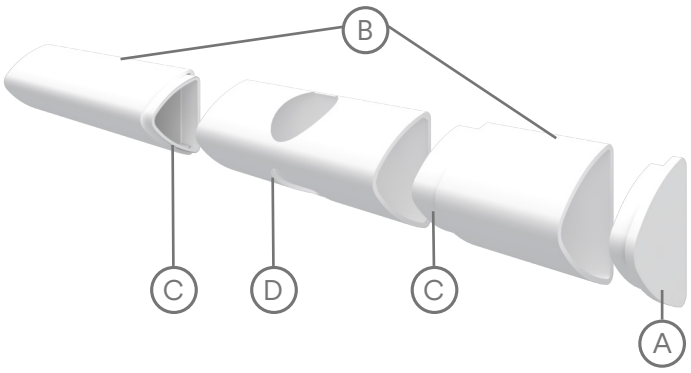


Fig. 22

A Edge Guard End Cap
C Insert Slip Sleeve
B Edge Guard
D Edge Guard Connector

1. Cut Edge Guard to the desired length, making sure to account for the length of the Edge Guard Connector.
2. Insert the Insert Slip Sleeve into one end of the Edge Guard Connector making sure that the Insert Slip Sleeve does not cover the hole in the connector.
3. Slide the Edge Guard over the other end of the Insert Slip Sleeve until it meets the end of the Edge Guard Connector (Fig. 23).

⚠ The Insert Slip Sleeve provides a clean/tight connection between the Edge Guard and Edge Guard Connector.

4. Repeat this procedure for each post connection.
5. Finally, lift the Edge Guard Assembly over the covered support posts and allow the assembly to slide down into place (Fig. 23).

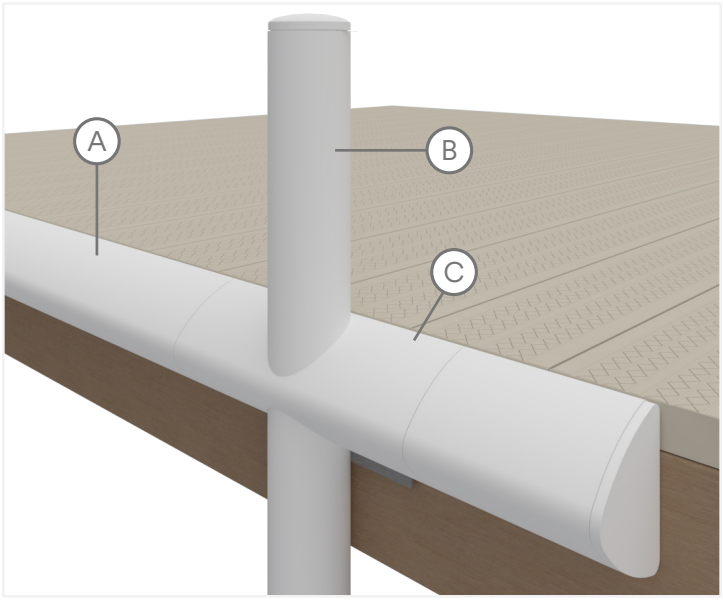


Fig. 23

A Edge Guard
B Post Wrap
C Edge Guard Connector

Surface Mount Accessories

Surface mounted accessories, such as mooring whips and dock cleats, may be used with DockDeck provided that the accessories are fastened directly to the dock frame or substructure, and not to the DockDeck board itself, for a more secure hold.

Disclaimer

As part of our focus on continuous innovation, Trusscore leverages advancements in material science to improve the performance and environmental impact of our products. Through the use of zero wastewater production processes, incorporation of recycled material in our products, and commitment to using raw materials with low environmental impact we are developing more sustainable building products.

Our drive to continually develop better looking, better performing, and more sustainable products can result in minor changes to the color and texture of our products when compared to previously manufactured products. Therefore, install products of the same package and/or pallet when completing your project to ensure the best possible results to minimize any minor variations.

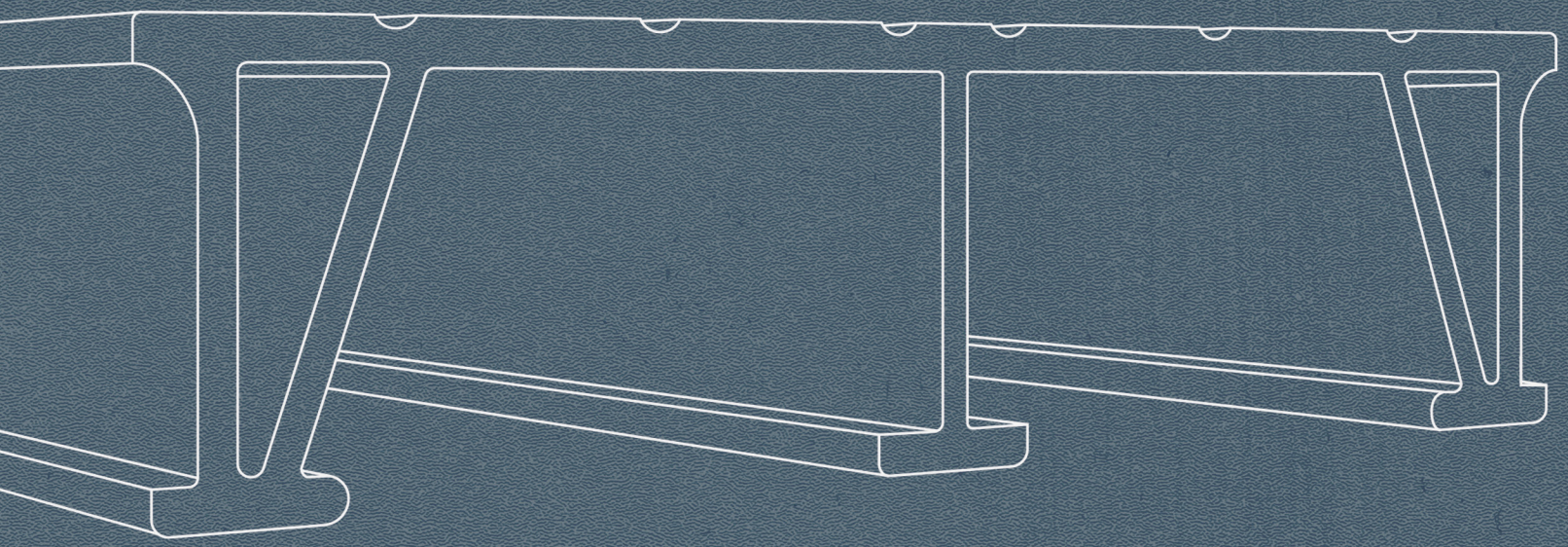
Clip Strip Combination Table

Joist Length (feet)	Start/Finish Clip	Single Clip	Clip Strip Length		
			3 feet	4 feet	5 feet
5	1	1		1	
5.5	1				1
6	1	1			1
6.5	1		2		
7	1	1	2		
7.5	1		1	1	
8	1	1	1	1	
8.5	1			2	
9	1	1		2	
9.5	1			1	1
10	1	1		1	1
10.5	1		2	1	
11	1	1			2
11.5	1	2			2
12	1	1	1	2	
12.5	1		1	1	1
13	1	1	1	1	1
13.5	1		1		2
14	1	1	1		2
14.5	1			1	2
15	1	1		1	2
15.5	1				3
16	1	1			3

Clip Strip Combination Table Continued

Joist Length (feet)	Start/Finish Clip	Single Clip	Clip Strip Length		
			3 feet	4 feet	5 feet
16.5	1		2		2
17	1	1		4	
17.5	1			3	1
18	1	1		3	1
18.5	1			2	2
19	1	1		2	2
19.5	1			1	3
20	1	1		1	3
20.5	1				4
21	1	1			4
21.5	1	2			4
22	1	1	2		3
22.5	1		1	1	3
23	1	1	1	1	3
23.5	1		1		4
24	1	1	1		4
24.5	1			1	4
25	1	1		1	4
25.5	1				5
26	1	1			5
26.5	1	2			5
27	1	3			5
32	1	3			6

trusscore.com



Learn more about Trusscore®
trusscore.com | hello@trusscore.com | 1.888.418.4679