

Composite Deckboard Installation Instructions

Please read the following carefully prior to installation
 Check your Local Building Codes to Ensure you are in compliance

Renew Resources Composite Decking is designed to work with a hidden fasten system to control expansion and contraction, therefore it is important to install the product in accordance with manufacturer's recommended guidelines.

Composite Decking is designed to be built on a standard code compliant frame. Ensure your deck is square and braced properly.

In order to have a consistent looking product it is important that you lay the deck boards out in the same directional pattern. To assist you in this there are printed arrows on the side of the boards.

All Composite Decking products will expand and contract with temperature fluctuations. It is important to ensure that you secure your deck boards to direct that movement towards the expansion trims (E Trim or T Trim) i.e. away from permanent fixtures such as the house, spa etc. This is done by drilling and fastening the deck board to the joists. Fig #1

When starting your project lay out your material to ensure that you know where you will be fastening the boards. Ensure that your boards are long enough, leaving sufficient overhang to allow for an even trim cut.

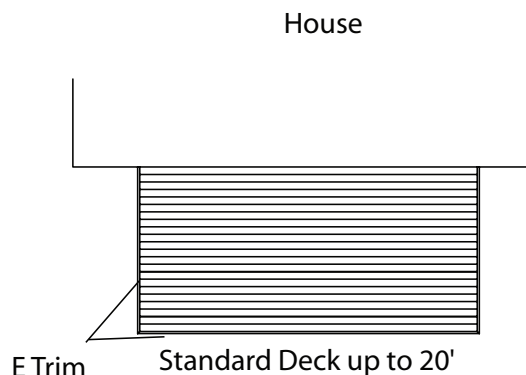
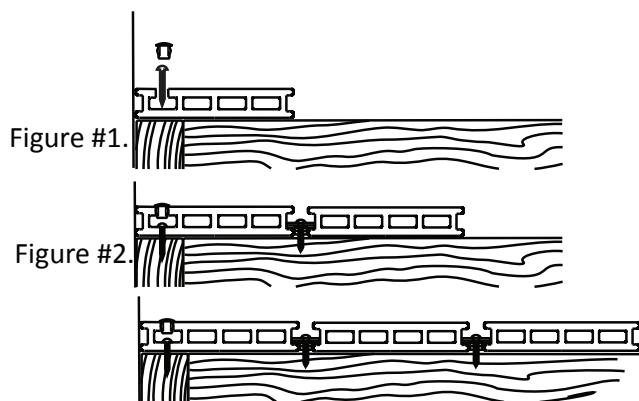
NOTE: Over torquing the clip screws will restrain your deck boards from expanding and contracting. This item will be repeated various times throughout these instructions. Refer to Clip Torquing Guidelines later in these instructions.

Parallel to House Application up to 20Ft.

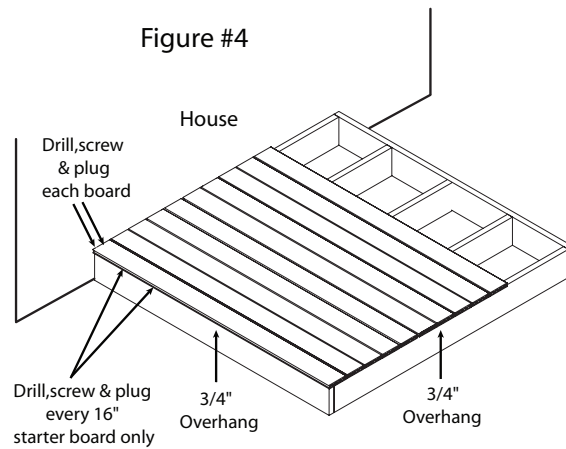
Starter board Cut 1 1/2" longer then deck frame to allow 3/4" overhang on each end.

Lay the starter board down and secure it to the ledger approximately every 16" by drilling a 3/8" hole through the first wall of the board then screw the bottom of deck board to the ledger using #8 pan head screws and capping the hole with a plug. As illustrated Fig. #1

Position a Slide & Go Fastener at each joist and loosely secure it with a screw. Slide second board under the Slide & Go Fastener and secure next set of Slide & Go Fastener to the joist. Fig #2



Perpendicular to house



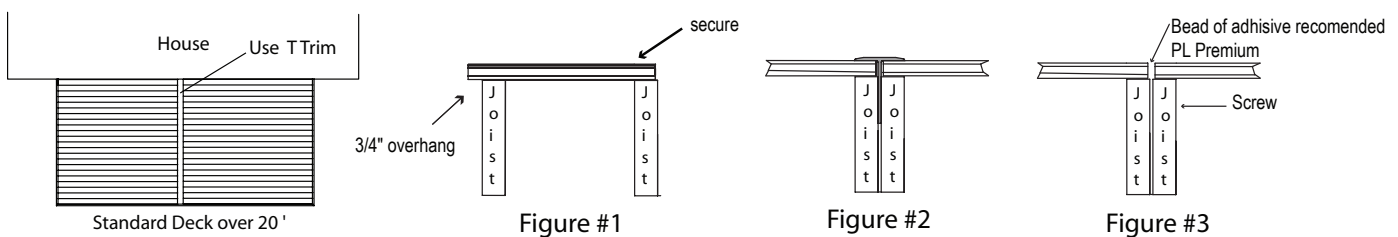
If one end of the board is stationary such as against a house then fasten at end. Reference Figure #4. Starter board- starting at one edge of the deck frame position deckboard so that it overhangs 3/4" along length and at the end. Fasten board every 16" as shown in Figure #1 to the rim plate.

Secure end of deck board at permanent structure as per Figure #4. Position Slide and Go Fastener at each joist and loosely secure it with supplied screw.

Slide 2nd board under the Slide & Go fastener with Slide & Go Clip and screw same as first board.

Go back to previous fasteners and snug down clip screw ensuring you do not over torque.

Decks Exceeding 20 Ft. - 2 boards end to end



Layout substructure to allow outer end of deck board to overhang substructure 3/4". Ensure inner end of deck boards are supported by joist.

Secure inner end of deck board by drilling 3/8" and securing to joist with #8 pan head screw.

Using T Trim as a spacer, insert another joist to allow deck end of next deck board to be supported.

Secure inner end of the deck board same as opposite side.

Once deck is completely installed, apply a bead of PL Premium Adhesive as per manufacturers recommendations between the ends of the deck boards and substructure and Inlay T Trim.

When possible T Trim may be secure from bottom portion of the deck by fastening through joist, T trim and into second joist every 16".

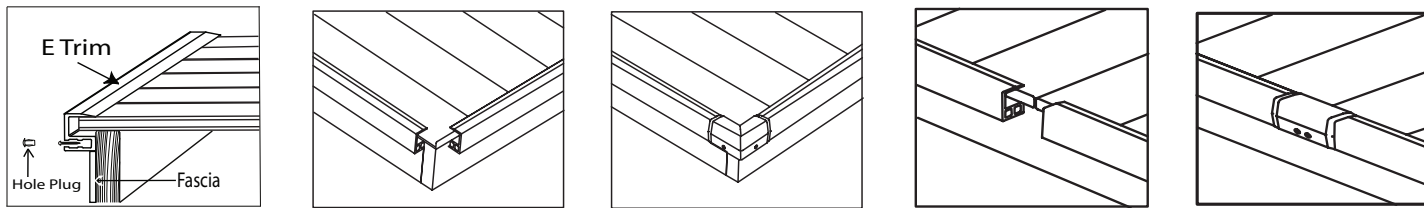
Do not tighten Slide and Go Fasteners until all board are laid out with the correct overhang

Once deck is laid down go back and tighten Slide and Go fasteners snugly
(DO NOT OVER TORQUE)

Over Torquing does not allow the hidden fasteners to work with the expansion and contraction of the board

Trim off the excess over hang , leaving recommended 3/4" overhang for expansion

Finishing off your deck



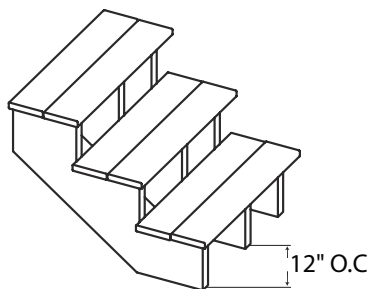
To finish off your deck use the E Trim and Fascia in conjunction with E Trim Corner and Connector brackets.

When installing the trim, cut the E trim 1.25" back from the corner of the substructure, pre-drill the trim with a 3/8" hole every 12 inches, do not fasten the E trim within 2 inches of the end of the board, secure the trim using #8 x 1.25 pan head screw. Insert hole plug for professional finish.

Complete the same steps on the opposite side of the substructure, slide in the trim corner bracket and secure with 2 #8 X 1.25 pan head screws and insert hole plug for professional look.

If E trim must be connected end for end for larger lengths use E trim connector brackets,, leave a 2.5 inch space between the two lengths of trim, secure the trim using #8 x 1.25 pan head screw. Insert hole plug. Slide the connector bracket into place and secure with two #8 pan head screws, and insert hole plugs.

Stair Riser Installation Guideline



Stair risers must be installed at a maximum 12 inch on centre.

Renew Resources stair tread board is to be cut 3 inches longer than outside stair risers to allow for 1.5" overhang on each side to enable you to face your stairs with 8" Fascia.

Fastening locations must not be closer than 3/4" from board edge or 1" from board end

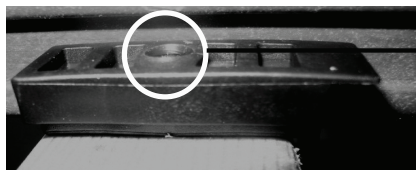
Renew Resources stair tread board must be pre-drilled before securing. Failure to pre-drill could result in splitting.

Stair tread must be secured using #8 approved deck screws 2 1/2" in length.

Screwing heads of screws below the surface may cause secondary mushrooming.

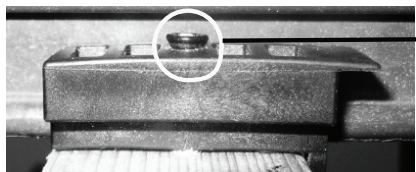
Each stair tread board is to be secured with 2 screws in each stair riser

Clip Torquing Guideline



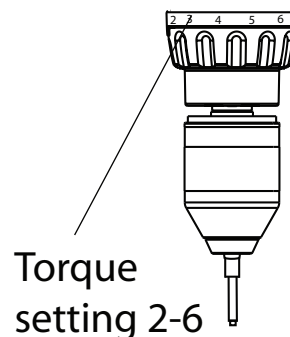
Screw head inbedded in clip

NO GOOD



Screw head resting on clip

GOOD



Proper torquing of the Slide & Go clips is important to ensure that your deck boards can expand and contract. Over torquing will drive the clip screw into the clip which will restrict your deck board movement. For final torquing of your clips you should set your drill at a low setting in the range of 2-6.

Note: All drill torque settings are different so you should determine the proper setting for your drill.

Also wood will have different densities so you should take that into account when determining your torque setting.

Railing System Installation Recommendations

Figure #1

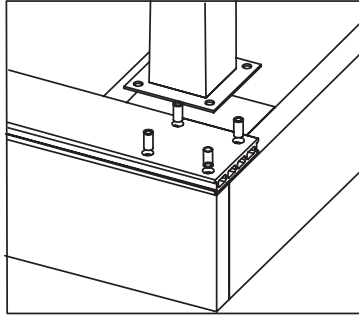
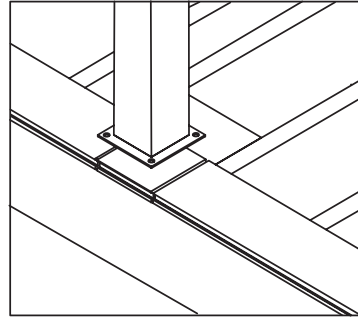


Figure #2



When installing a railing system on a composite deck care must be taken to ensure that the railings posts do not restrict the expansion and contraction of your composite deck board.

Always check with the railing manufacturer to determine if they have recommended installation guidelines for composite decking.

If not then you must ensure that you have allowed for the expansion and contraction.

Figure #1 and #2 illustrated 2 options that can be used for railing post installation.

Method #1 is to drill over size holes through the composite decking and inserting bushings in order in for your deck board to be able to float as required. Sizes will vary dependent on railing manufacturer's hardware.

Method #2 is to cut a seam to act as an expansion gap on one side or the other of the post to allow for expansion and joints between railing sections.

For more information and product updates visit us @ www.renewresources.com