

NewTechWood

CANADA



QUICKDECK INSTALLATION GUIDE



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IMPORTANT

READ ALL SECTIONS BEFORE YOU START

Prior to installing any composite product, it is recommended that you check with local building codes for any special requirements or restrictions. The diagrams and instructions outlined in this guide are for illustration purposes only and are not meant or implied to replace a licensed professional. Any construction or use of NewTechWood must be in accordance with all local zoning and/or building codes. The consumer assumes all risks and liability associated with the construction and use of this product.

Ensure that the delivered product matches the order (color, model, size, quantity, accessories); inspect each piece before installation. Do not install a product that appears or is believed to be defective. A defective product will not be covered by the warranty if it is installed.

Safety

When dealing with any type of construction project, it is necessary to wear appropriate safety equipment to avoid any risk of injuries. NewTechWood recommends, but is not limited to the following safety equipment, when handling, cutting, and installing the Deck Tiles: gloves, respiratory protection, long sleeves, pants, and safety glasses.

Tools

Standard woodworking tools may be used. Begin each project with a new blade. It is recommended that all blades have a carbide tip.

Environment

A clean, smooth, leveled and strong structure is needed to install NewTechWood's products correctly. Please check with local building codes before ever installing any type of decking. If installation does not occur immediately, NewTechWood's products need to be put on a flat surface at all times. It should NEVER be put on a surface that is NOT flat.

Static

Static can also be more prevalent in areas that are of higher altitude because the humidity is lower. For these areas, be careful of using conducive objects such as metal railing and chairs as static shocks might occur more often. A potential way to lower the amount of static shocks occurring is to apply Staticide (www.aclstaticide.com) on your deck or use anti-static mats before doorways. NewTechWood's products have been tested against EN 1815 - Assessment of Static Electrical Propensity and have received values under the maximum standard of 2kV.

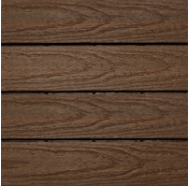




Layout

Before installing the Deck Tile, always make sure that you are installing it on a clean smooth flat surface. The Deck Tile CANNOT be installed on places such as dirt, soil, or raised structure it must be laid out on a flat solid surface.

If your installation is longer than 30 feet (9m), it is recommended to install the Expansion Joint (QD-EJ) between each 30 foot (9) interval accordingly to prevent warping and buckling on the Deck Tile. Failure to include this Expansion Joint (QD-EJ) in installation longer than 30 feet (9) may result in warping or buckling of the Deck Tiles. If this occurs, you may disconnect the Deck Tiles where the warping or buckling is taking place and install the above Expansion Joint (QD-EJ) retroactively.













Deck Tiles

- TILES AND FINITION TRIMS

PRODUCT CODE	PRODUCT NAME AND PURPOSE	PART
QD-300	1' x 1	
QD-600	1' x 2'	
QD-900	1' x 3'	
QD-SC2	Stair Trim	
QD-EJ	Expansion Joint	

Deck Tiles

- TRIMS AND FASCIAS

PRODUCT CODE	PRODUCT NAME AND PURPOSE	PART	
QD-IT	Inside Corner Trim		
QD-OT	Outside Corner Trim		
QD-ST	Straight Trim		
QD-IF	Inside Corner Fascia		
QD-OF	Outside Corner Fascia		
QD-SF	Straight Fascia		

Deck Tiles

- INSTALLATION

The Deck Tile is relatively easy to install using its four side interlocking base making it very user friendly. Each side has two male and female connectors that connect to an adjacent tile, these connectors are circled in Diagram 1 .

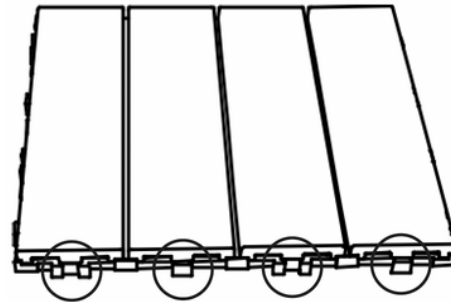


Diagram 1

- 1 Place the first tile in a corner along the edge of the area you will be installing, as shown in Diagram 2 .

Note: There must be at least a 1/2" (12 mm) gap between walls or any object to allow for expansion and contraction. Failure to do so could result in warping of the tile, buckling, or other damage.

This gap must be respected even when a trim or fascia is used on the deck tile.

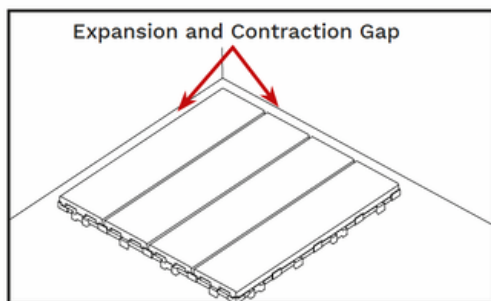


Diagram 2

- 2 Next, take another tile and determine which type of pattern/style you like to do. Vertical is shown in Diagram 3 and horizontal is shown in Diagram 4.

Protip: Mix around the different styles (vertical and horizontal) to give your deck a unique look.



Diagram 3

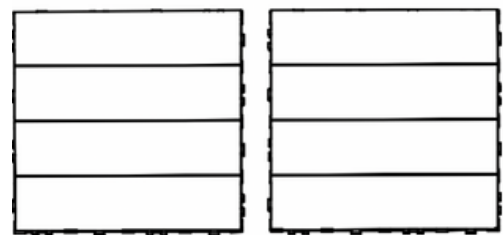


Diagram 4

Deck Tiles

- INSTALLATION

3

Now, take the second tile and align the connectors up with the first tile, as shown in Diagram 5.

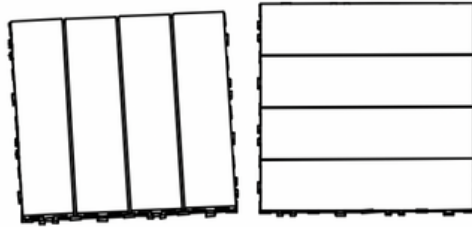


Diagram 5

4

The, attach the first two connectors into each other, as shown in Diagram 6. You might need to lift up on one of the tiles to get a better grip.

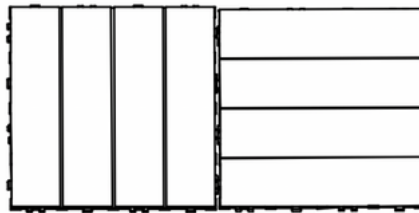


Diagram 6

5

Finally, attach the last two connectors and push down to lock everything into place, as shown in Diagram 7.

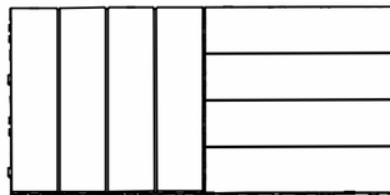


Diagram 7

6

Repeat steps 1-5 until deck is completed.

Deck Tiles

- REMOVING TILES

1

If a tile needs to be removed, the best way is to first have one hand grip one tile's edge and the other to be on the adjacent tile, as shown in Diagram 8.

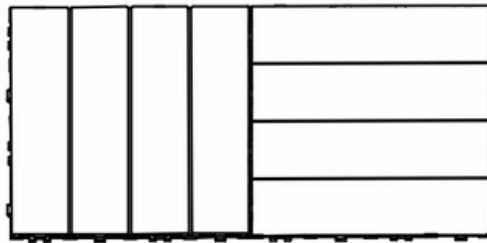


Diagram 8

2

Next, with the gripping the tile pull up towards your body while the other hand pushes down on the adjacent tile, as shown in Diagram 9.

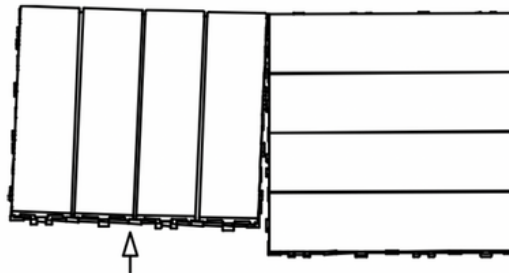


Diagram 9

3

Continue to pull with the gripped hand until finally all connectors are separated from the adjacent tile, as shown in Diagram 10.

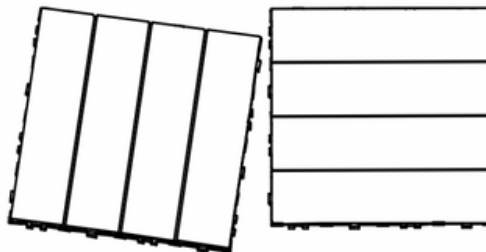


Diagram 10

Deck Tiles

• CUTTING DECK TILE

Cutting the Deck Tile is simple and quick. Just remember that you need a carbide tip blade when cutting.

Corners/Edges:

- 1 First, measure the corner/edge that will need to be cut, as shown in Diagram 11.

Note: There must be at least a 1/2" (12 mm) gap between walls or any object to allow for expansion and contraction. Failure to do so could result in warping of the tile, buckling, or other damage.

This gap must be respected even when a trim or fascia is used on the deck tile.

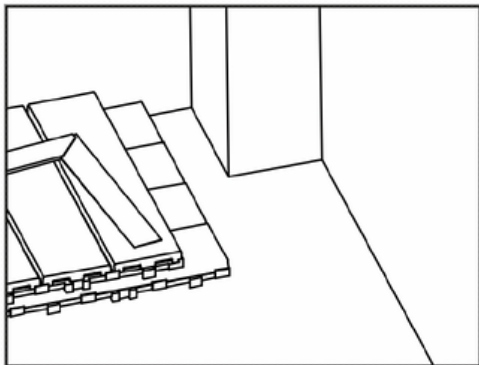


Diagram 11

- 2 Next, take the piece and redraw the measured area that you will be cutting onto the Deck Tile.

- 2 Then, take the Deck Tile and cut either with a circular saw, table saw, hand saw, or jigsaw. Always remember to use a carbide tip blade on these tools, as shown in Diagram 12. The final piece we cut for this corner is shown in Diagram 13.

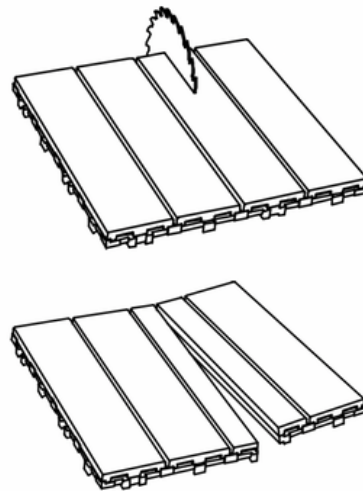


Diagram 12

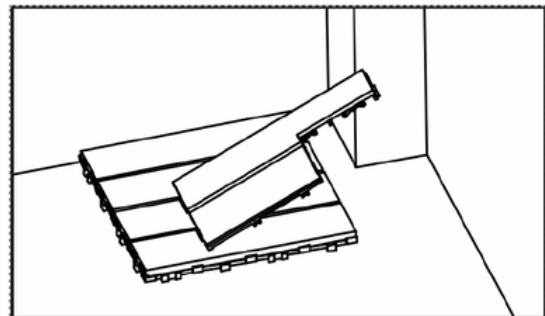


Diagram 13

Deck Tiles

- CUTTING DECK TILE

Note: Before cutting, always turn the Deck Tile over and make sure that the cut lines you have marked on the Deck Tile do not cross over any screws on the back. Never ever should you be cutting through the screws, as shown in Diagram 14.

If your lines cross over these screws, first unfasten the screws and then cut the Deck Tile.

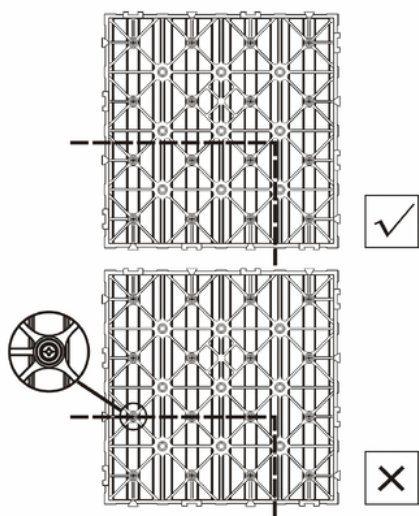


Diagram 14

4

Now, take the Deck Tile and sand down the sides of the cuts to make them smooth, as shown in Diagram 15.

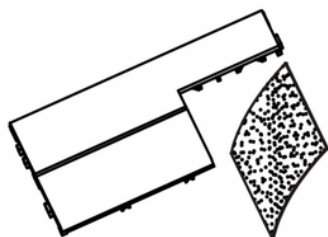


Diagram 15

5

Finally, put the finished piece in its corner/edge, as shown in Diagram 16.

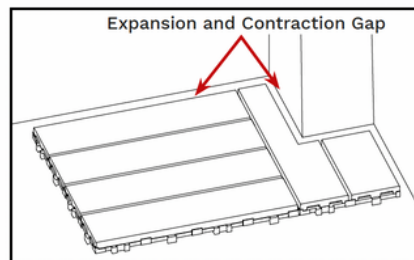


Diagram 16

6

Repeat steps 1-5 for any other corners/edges until the deck is completed.

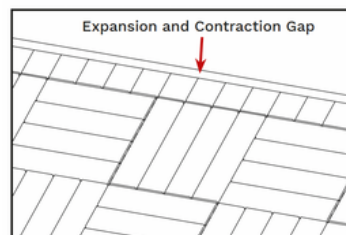


Diagram 17

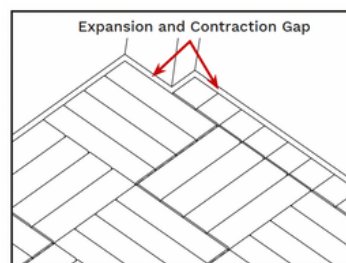


Diagram 18

Note: There must be at least a 1/2" (12 mm) gap between walls or any object to allow for expansion and contraction. Failure to do so could result in warping of the tile, buckling, or other damage. This gap must be respected even when a trim or fascia is used on the deck tile.

Deck Tiles

- CUTTING DECK TILE

REMINDER: Before cutting, always turn over the tile and ensure that the cutting line do not cross over any screws, as shown in Diagram 19. Never cut any lines that have screw interfering as they pose a risk for injury. It is recommended to re-design the cutting path where the cutting lines do no cross the screws.

Note:The distance between the screw's center and the cut slat tile's edge can not be less than 1/4" (7mm), as shown in Detail 19-1.

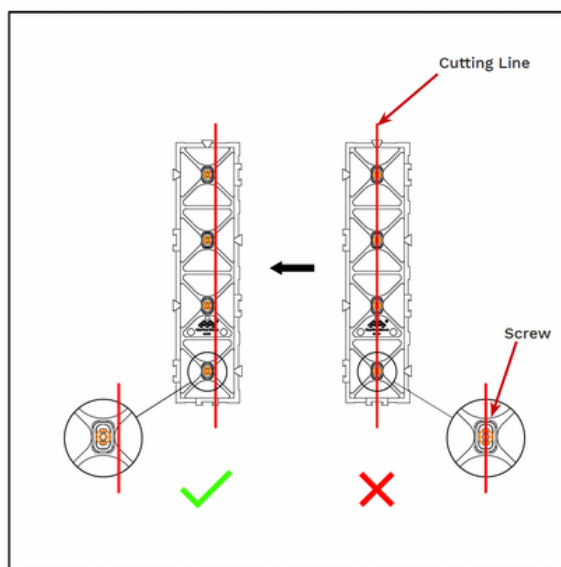


Diagram 19

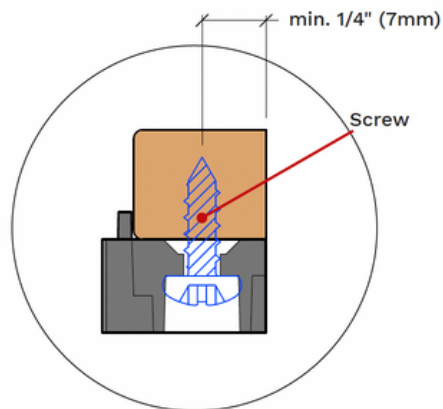


Diagram 19-1

Deck Tiles

- FASCIA/TRIM INSTALLATION

Installing Fascia

The Deck Tile has three different fascia options: straight, inward and outward fascia.

Straight Fascia

Place the straight fascia, as shown in Diagram 20 to finish the deck.

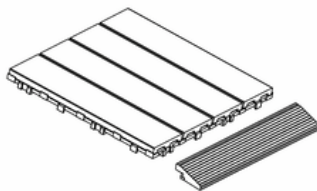


Diagram 20

Outward Fascia

Place the outward fascia, as shown in Diagram 21 to finish the deck's corner.

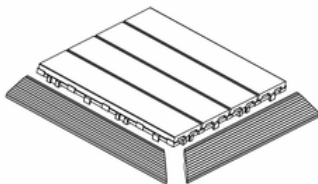


Diagram 21

Inward Fascia

Place the inward fascia, as shown in Diagram 22 to finish the deck's corner.

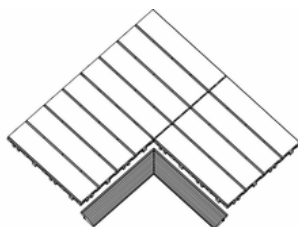


Diagram 22

Installing Trim

The Deck Tile has three different trim options: straight, inward and outward trim.

Straight Trim

Place the straight trim, as shown in Diagram 23 to finish the deck.

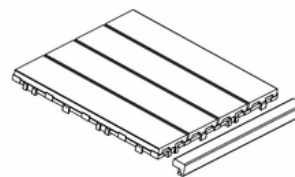


Diagram 23

Outward Trim

Place the outward trim, as shown in Diagram 24 to finish the deck's corner.

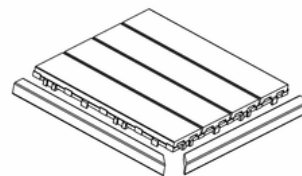


Diagram 24

Inward Trim

Place the inward trim, as shown in Diagram 25 to finish the deck's corner.

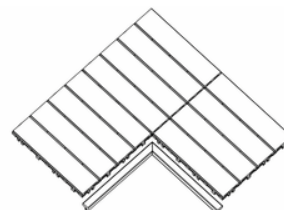
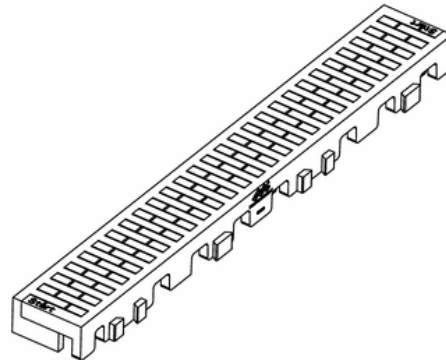


Diagram 25

Deck Tiles

- EXPANSION JOINT INSTALLATION

The Deck Tile can expand or contract due to temperature change, therefore, installing over a length of 30 feet (9m) or more could have warping issues. The Expansion Joint can provide sufficient spacing for expansion or contraction to avoid warping or buckling.



Expansion Joint

When to use the Expansion Joint:

If the Deck Tile is installed over a length of 30 feet (9m) or more, as shown in Diagram 26, it is recommended to install the Expansion Joint between each 30 foot (9m) interval accordingly. At a 30 foot (9m) interval the Expansion Joint must be used in order to prevent warping and buckling of the Deck Tile.

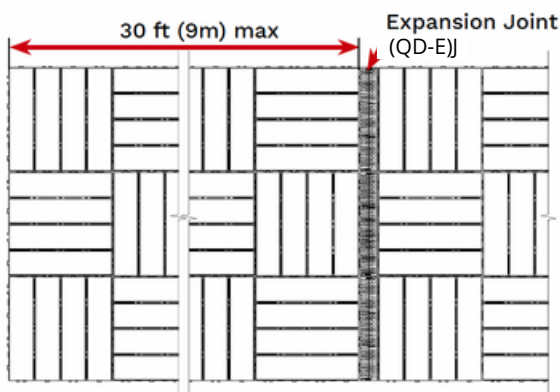


Diagram 26

Installation Procedure

- 1 Put one side of the Expansion Joint in place and align the interlocking connectors with the Deck Tile, as shown in Diagram 27, then push down to lock it with the Deck Tile.

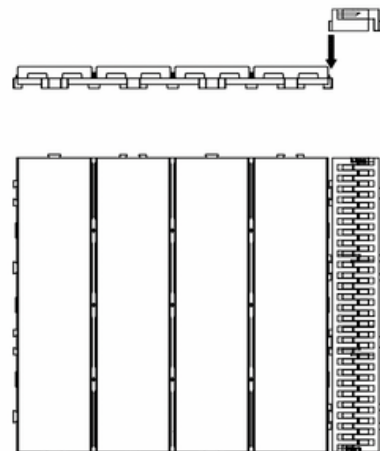


Diagram 27

Deck Tiles

• EXPANSION JOINT INSTALLATION

- 2** Complete the installation step 1 for all Expansion Joints, as shown in Diagram 28.

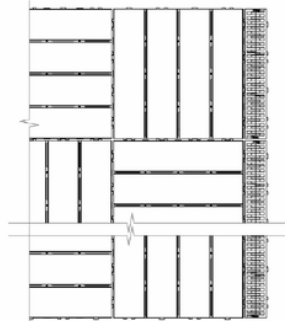


Diagram 28

- 3** Align the Expansion Joint, as shown in Diagram 35 until the notch mark is presented in a straight line located in the middle, as shown in Diagram 29.

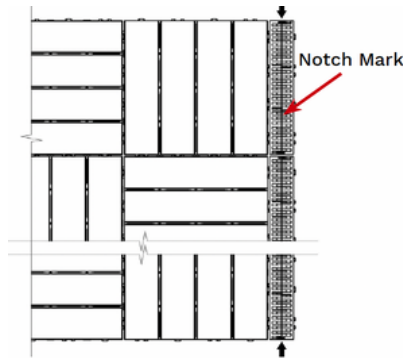


Diagram 29

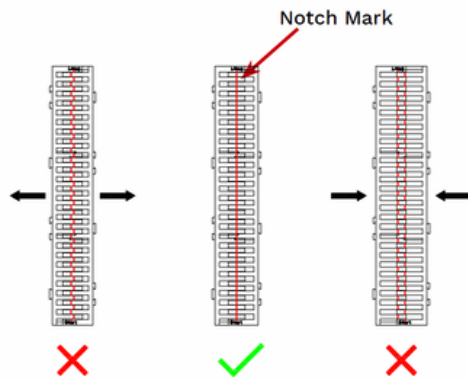


Diagram 30

- 4** Attach another Deck Tile on the opposite side of each Expansion Joint, as shown in Diagram 31, then check whether the notch mark is presented in a straight line. If the Expansion Joint's notch mark is not in a straight line located in the middle, then you must align the Deck Tile in order to make a straight line in the notch mark.

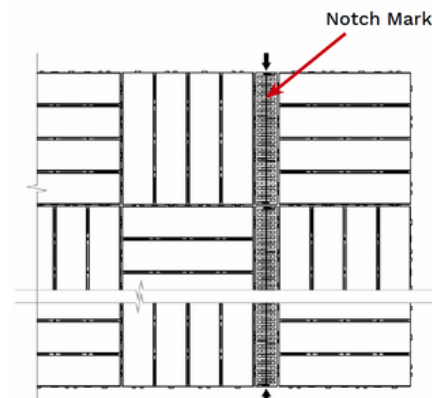


Diagram 31

- 5** After completing the installation of step 4, then proceed to the Deck Tile installation for the remaining area per your desired layout plan. Diagram 31 presents an example of a completed installation of the Expansion Joints with the Deck Tiles.

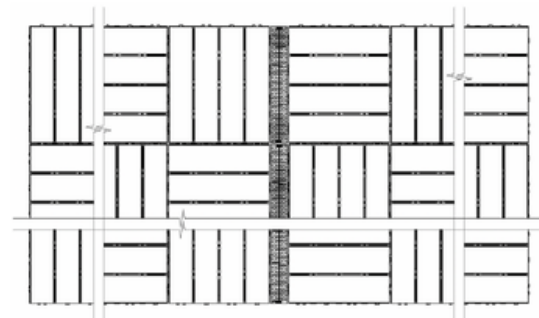


Diagram 32

Deck Tiles

• INSTALLING DECK TILE STAIR TRIM

- 1 First figure out what kind of material you are laying your quick deck over.

We will go over three different types of material:

- A) Wood
- B) Metal
- C) Concrete

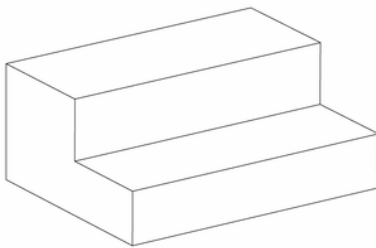


Diagram 33

A) Wood

For wood #6 wood screws that are 1" (25.4mm) will be used to fasten the stair trim grid to the wood, as shown in Diagram 34.

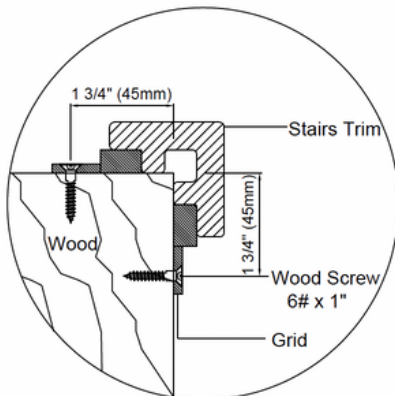


Diagram 34

B) Metal

For metal #6 drilling screws that are 3/4" (19mm) will be used to fasten the stair trim grid to the metal, as shown in Diagram 35.

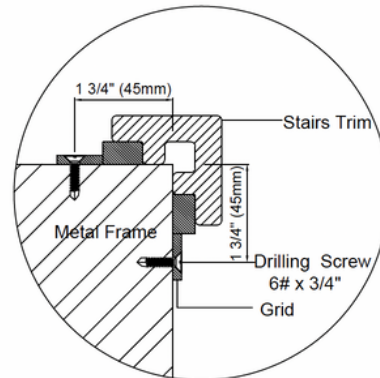


Diagram 35

C) Concrete

For concrete a combination of #6 wood screws that are 1 1/2" (38mm) and a plastic anchor will be used to fasten the stair trim grid to the concrete, as shown in Diagram 36.

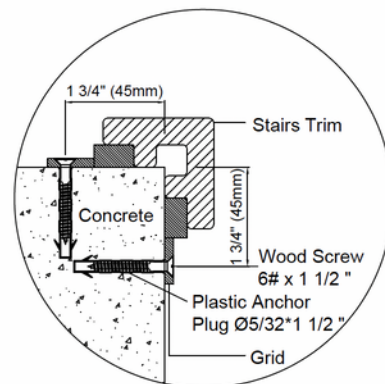


Diagram 36

Deck Tiles

• INSTALLING DECK TILE STAIR TRIM

- 2** After figuring out which material you will be installing your stair trim on start installing, as shown in Diagram 37. Ensure that when installing more than one stair trim that the gap between the stair trim is similar to that of the deck tile for an overall even look and also to allow for expansion and contraction.

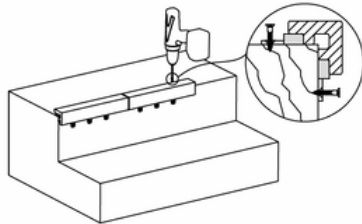


Diagram 37

- 3** If the stair trim does not fit exactly it will need to be cut down to size. First measure the remaining distance, as shown in Diagram 38.

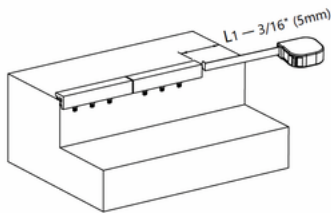


Diagram 38

- 4** Next take your measurement and mark it on the stair trim and cut accordingly, as shown in Diagram 39.

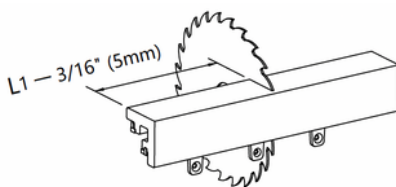


Diagram 39

- 5** Install the cut stair trim, as shown in diagram 40.

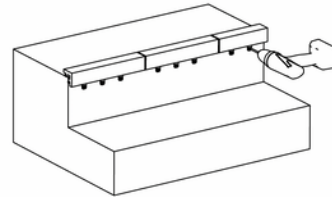


Diagram 40

- 6** Install the rest of the stairs with stair trims, as show in Diagram 41 if there are multiple stair treads present.

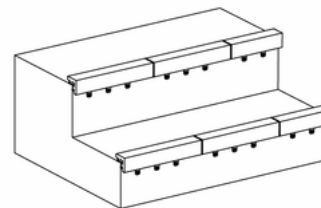


Diagram 41

- 7** Now the deck tiles can be installed onto the stair trims, as shown in Diagram 42.

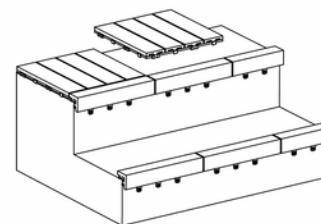


Diagram 42

Deck Tiles

• INSTALLING DECK TILE STAIR TRIM

- 8** If your tile needs to be cut, as shown in Diagram 43 ensure that the screws are taken out if the cut you are making is directly over the screws on the grid.

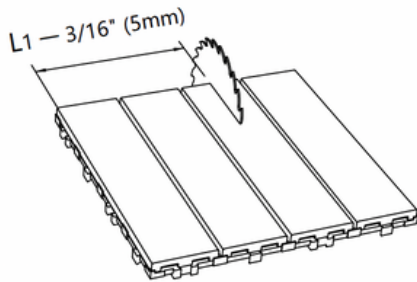


Diagram 43

- 9** Install the cut deck tile, as shown in Diagram 44.

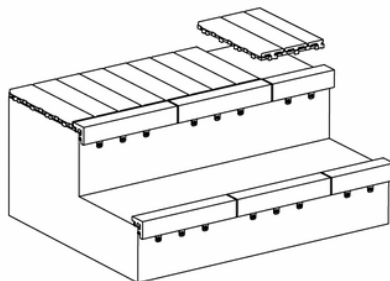


Diagram 44

- 10** Next the riser and stair tread needs to be installed with deck tiles.

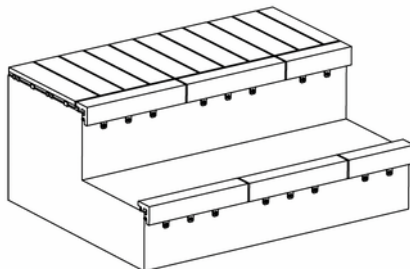


Diagram 45

- 11** First measure the risers and stair treads, as shown in diagram 46.

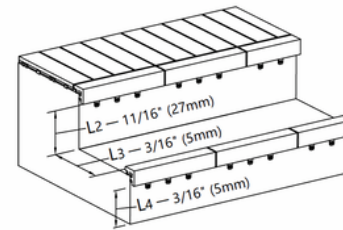


Diagram 46

- 12** Cut the Deck Tiles to fit on the risers and stair treads, as shown in Diagram 47. If you are cutting a line where the screws are fixed on the grid first unfasten the screws on the grid and then cut the Deck Tiles according to the measured dimension.

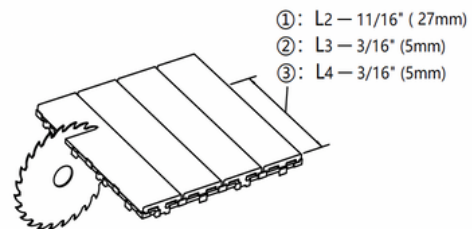


Diagram 47

- 13** Install the cut Deck Tiles for the stair treads, as shown in Diagram 48. Align the interlocking connectors of the stair tread tiles with the stair trim, then push down to lock it with the stair trim.

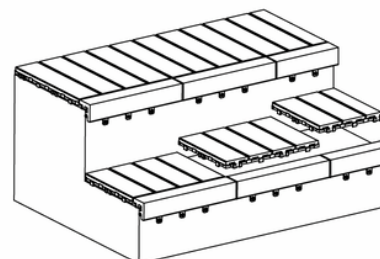


Diagram 48

Deck Tiles

- INSTALLING DECK TILE STAIR TRIM

- 14** Next install the cut Deck Tiles for the risers, as shown in Diagram 49. Align the interlocking connectors of the riser tiles with the stair trim, then push down to lock it with the stair trim.

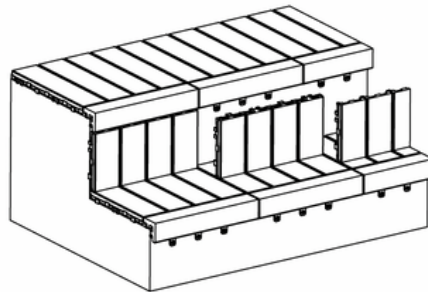


Diagram 49

- 15** Repeat steps 11 and 12 for the remaining stair treads and risers, as shown in Diagram 50.

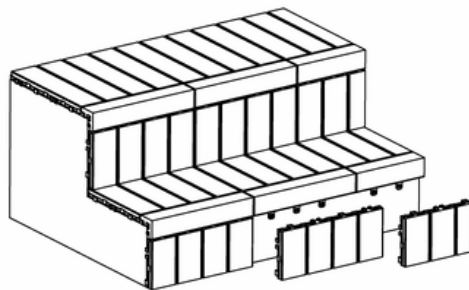


Diagram 50

- 16** Diagram 51 shows a completed staircase with the stair trims along with the tiles.

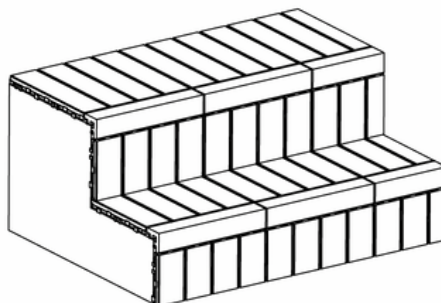


Diagram 51

QUICKDECK TILES

INSTALLATION GUIDE



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