



**PERMATIMBER®**

# 140 FINELINE DECKING INSTALLATION GUIDE

1300 366 938

[www.permacomposites.com](http://www.permacomposites.com)

## TABLE OF CONTENTS

General Guidelines and Precautions	2
Subframe Instructions	3
Expansion Gaps	3
Butt Joints	4
Installation Steps	4
Maintenance	5

## GENERAL GUIDELINES AND PRECAUTIONS

**Read guide completely before commencing installation.**

Correct installation of PermaTimber® 140 Finline Decking will provide years of enjoyment. Thanks to its special combination of reclaimed hardwoods and recycled plastics, PermaTimber® Decking is a long lasting and low maintenance outdoor living product.

Please ensure that you have read these instructions thoroughly prior to and during installation.

**Failure to adhere to the installation guidelines will void your warranty.**

PermaTimber® Decking boards are inspected for quality before packaging and shipping. Any defects or damages should be reported to the retailer immediately for inspection. We cannot accept responsibility for boards installed with defects.

**Failure to adhere to the following points may void your warranty.**

PermaTimber® warranty information can be found at <https://www.permacomposites.com/warranty/>

- Installation must be completed in accordance with this guide and all instructions are to be read clearly prior to installation.
- PermaTimber® Decking can vary slightly in colour, tone and grain. For large projects please ensure all materials are ordered together to guarantee that materials are from the same batch.
- Each PermaTimber® Decking board may have natural variations and in some instances slight variations between the sample and final product.
- The customer/ installer is responsible for inspecting each board for colour, finish, size and other issues prior to installation.

The wood texture finish of PermaTimber® Decking is similar to that of natural wood surfaces. We recommend laying out boards prior to installation in order to obtain a uniform overall finish.

You can download the guide by  
scanning the QR Code or visiting  
[www.permacomposites.com/  
brochure-installation-guide-library/](http://www.permacomposites.com/brochure-installation-guide-library/)



## SUBFRAME INSTRUCTIONS

PermaTimber® Decking can be installed onto any new or existing subframe, provided that the existing frame is BCA compliant, meets the recommended spans and is in good condition.

Please note the following when designing your subframe;

- Maximum spans (centre to centre) is 450mm.
- There is to be no overhang of the boards and all perimeter edges of your deck are to be supported by joists.
- If a cut out is required to allow for any existing structures, it is to be supported around all edges.
- All bearers are to run perpendicular to the decking boards.
- It is recommended an allowance is made for a 3 - 4 mm fall (per metre) in your subframe in the direction away from any adjoining structures to facilitate drainage.
- Do not install directly onto a solid surface or watertight flooring such as concrete, pavers, bricks or tiles. Airflow / drainage beneath the deck is crucial to its longevity. A minimum clearance is required underneath decking boards.
- If laying a commercial deck, please consult PermaComposites® to ensure spans, product and design is suitable to the project prior to laying.

Once your subframe is complete, you will need to measure out the fit of the decking boards to determine if any end piece will require trimming.

Please Note: Face fixing must be completed as per the instructions in the installation guide. Failure to face fix as per the instructions will void your warranty.

## EXPANSION GAPS

Thanks to its special combination of recycled materials, PermaTimber® Decking will expand and contract along its length by up to 2mm per metre over a 40 degree celsius temperature change.

Ordinarily this does not cause any problems, provided special attention is given at the time of installation. Take note of the ambient temperature at the time of installation, and adjust butt joints accordingly as per the table below.

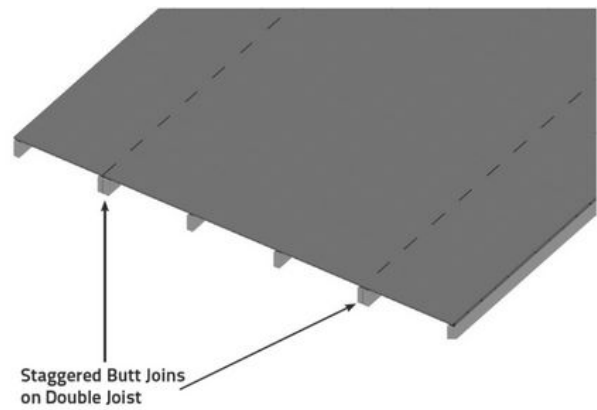
When constructing your PermaTimber® Deck, be sure to always let the ends of the boards overhang the end of your last joist. Then cut all of the PermaTimber® Decking boards at the same time along the outside edge.

Gapping Requirements	
Ambient Temperature (°C)	Gap Size (mm)
45	0
40	1
35	2
30	3
25	4
20	5
15	6
10	7
5	8
0	9



# BUTT JOINTS

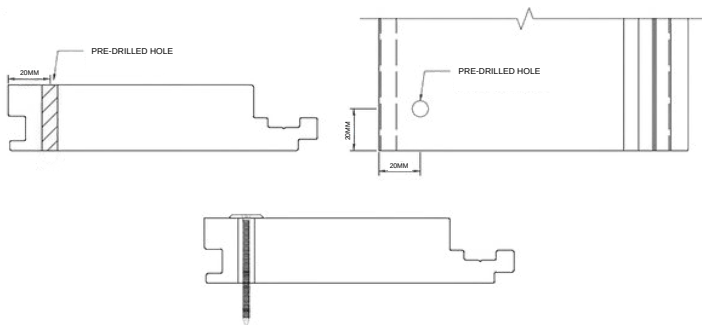
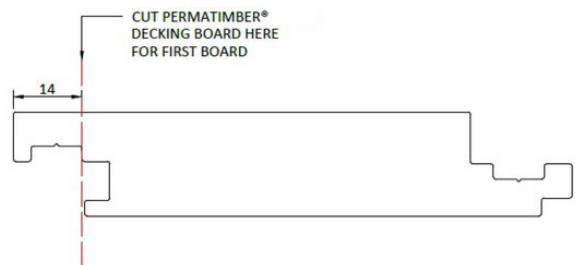
Butt joints must always occur over a double joist. Staggering butt joints is the best way to manage the effects of expansion and contraction. Please ensure you allow for adequate expansion and contraction gaps.



## INSTALLATION STEPS

### STEP ONE

Using a circular or panel saw, rip the overlap section of your first decking board off.



### STEP TWO

Pre-drill the decking board approximately 20mm from each edge on the cut side. All pre-drilled holes must be 1-2mm larger than the screw gauge to allow for expansion and contraction.

### STEP THREE

Drill clearance holes approx 1-2mm larger than the screw gauge to allow for expansion and contraction. Once pre-drilled, fix the decking boards into place using pan head screws. Ensure you use appropriate torque settings so the decking board isn't over tightened as this will restrict expansion and contraction.

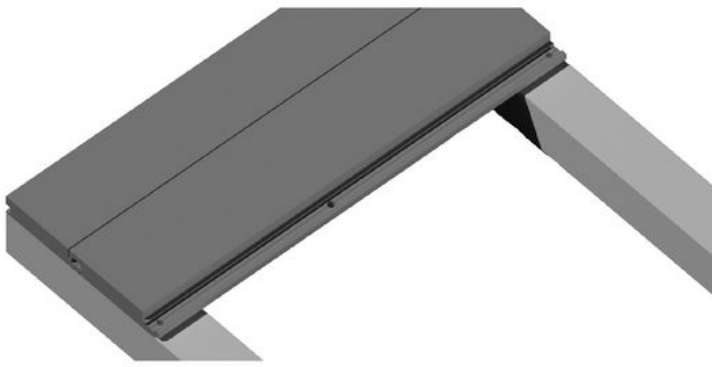


#### STEP THREE (A) - FIXING TO TIMBER

Pan head timber screw 4mm (8 gauge) x 40mm stainless steel. This screw is available through Spax distributors under Pan head T star plus.

#### STEP THREE (B) - FIXING TO STEEL/FRP

Wafer head self tapping screw 10 gauge x 22mm stainless steel. This screw is available through Austain and the code is G810-10022. Pan head is an acceptable substitute provided the diameter of the head is less than 9mm.



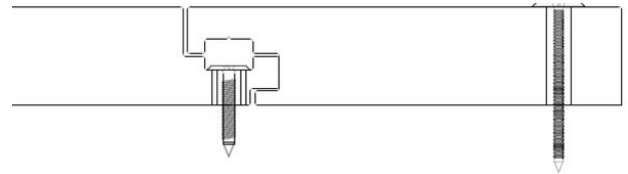
#### STEP FOUR

Perma Composites® recommends to pre-drill drainage holes in the decking boards. Using a standard drill bit, create a drainage hole up to 7mm in diameter in the underlap section of the boards between each joist to remain concealed. Drainage holes should be created between each joist.

#### STEP FIVE

Fit the next decking board into place and fix. Repeat the steps until your deck reaches its final stages.

Prior to installation of the final 2 decking boards, you will be required to rip the underlap section of your last decking board off (similar to step 1). You may be required to rip more than just the underlap of the decking board depending on your decking area. Fix the final decking boards into position as per the illustration.



## MAINTENANCE

Low maintenance is required!

One of the great benefits of all PermaTimber® products is that they don't require any oiling, painting, or staining. Simply sit back and enjoy your deck after installation.

Chairs will need a protective caps on each of their legs to ensure that no scratches will be made from pulling/pushing chairs onto the deck.

Scratched your deck? Don't stress! Light scratches can be sanded lightly off so that your deck looks fantastic for life! Sand in the direction along the board only. We are not liable for items that are placed on the deck where no protection is involved.

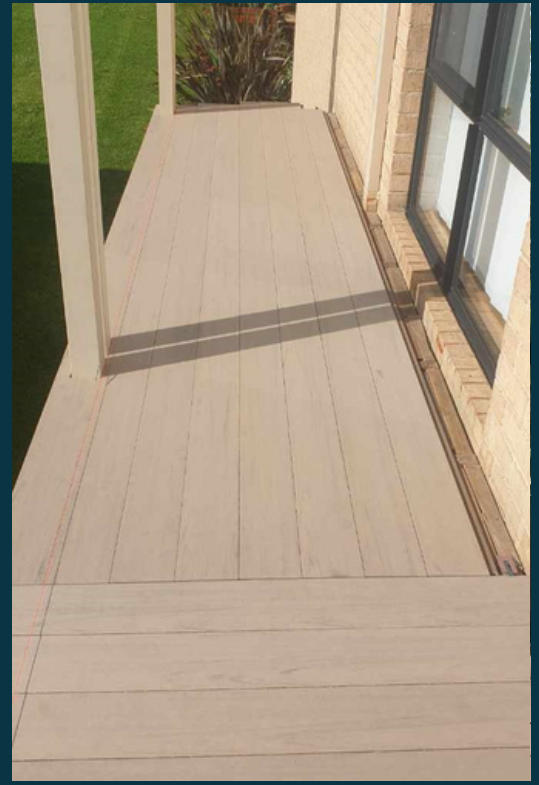
When new, residual tannins may be visible in the wood floor component. These tannins may leach out the first few times it is wet, but the tannins can be removed by washing with water multiple times or if the board is exposed to water and dried off several times. For more information please view our care guide regarding tannins.

If you need to clean your deck, simply hose it down and use a brush to remove any stubborn stains. You can also use a light pressure cleaner and some mild detergent.

There is a complete care guide available on our website to detail how best to clean your decking. Visit [www.permatimber.com.au](http://www.permatimber.com.au)

For more information about maintenance and care of your boards, please refer to the information on our care guide by scanning the QR code below.





 1300 366 938     [info@permacomposites.com](mailto:info@permacomposites.com)  
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