



Composite Wood Installation Guide

PRE-INSTALLATION

Key areas should be considered prior to embarking on the installation of your cladding and ancillary products. This section shall cover advice on handling, recommended tools for the job and a selection of principal elements to consider ahead of installation.



PRE-INSTALLATION - **HANDLING YOUR CLADDING**

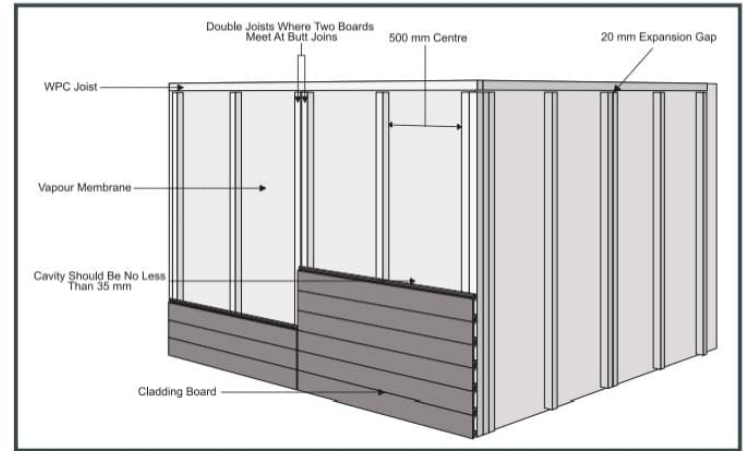
- Ensure a suitable, flat area is cleared to store your cladding prior to installation. Laying your cladding boards and any accompanying accessories, such as trims, on wooden battens at approximately 400-500mm spacings will ensure that the material avoids any sitting water, dirt or grit that may scratch or damage the products ahead of installation.
- When storing your boards outside for an extended period of time, be sure to cover them with a layer of sheeting.
- Take extra care when lifting, moving or fitting boards to avoid accidental scratching. Do not drag, slide or drop boards when laying over one another.
- Keeping your work area as tidy as possible will help to keep the surface of the boards free of any construction debris.



INSTALLATION - SUBFRAME DESIGN & LAYOUT

Plotting the layout of your battens will ensure you provide adequate support to your composite cladding boards. Consider the overall design of your cladding section prior to installation. Special consideration should be taken into account for the following:

- 1 Consider Your Joist Layout In Relation To The Laying Pattern Of Your Cladding Boards.** Your joists should, in most cases, run adjacent to the direction of your cladding boards. cladding boards can be installed in a vertical or horizontal direction.
- 2 Consideration Of Where You Expect Cladding Boards To Meet At Butt Ends.** Double joisting is required in areas where two cladding boards are expected to meet at butt-ends.
- 3 A Consideration Of Features Of Your Wall.** Ensure adequate batten support is installed around window sills, door openings, gutters and soffits. Refer to the illustration for an example of a typical joist layout.



Ensure Your Joist Layout Allows For Ventilation

Design your subframe to ensure 15mm gaps are observed at both the top and bottom of the cladding system.

INSTALLATION - FIXING CLADDING JOISTS

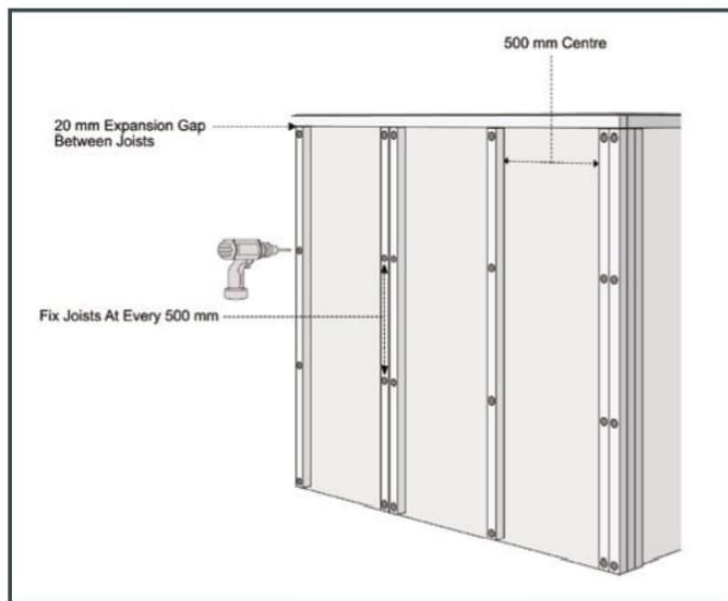
1 Begin Installing Joists. Beginning from a corner or edge of the face of the wall, work inwards and space your joists evenly at 500mm centres. If a vapour barrier is being installed, ensure this is positioned and fixed securely to the existing wall prior to your joists being fixed.

To allow for adequate ventilation of the cladding system, a gap of at least 15mm should be observed between bottom of your joist(s) and the ground. This allows the adequate movement of airflow beneath the cladding system.

2 Allow For Adequate Expansion Gaps. Ensure spacings of 20mm are observed where joist ends of the Composite Joists meet – the same applies if you are using timber batons. This is to allow for adequate expansion and contraction of the material.

3 Fix Joists Securely To The Wall. When fixing the Composite Joist securely to the wall, each joist should be fixed at 500mm intervals along its length. We recommend using countersunk A4 stainless steel screws to securely fix your battens to the wall. Pre-drill the material prior to fixing it down to avoid the material cracking when fixed.

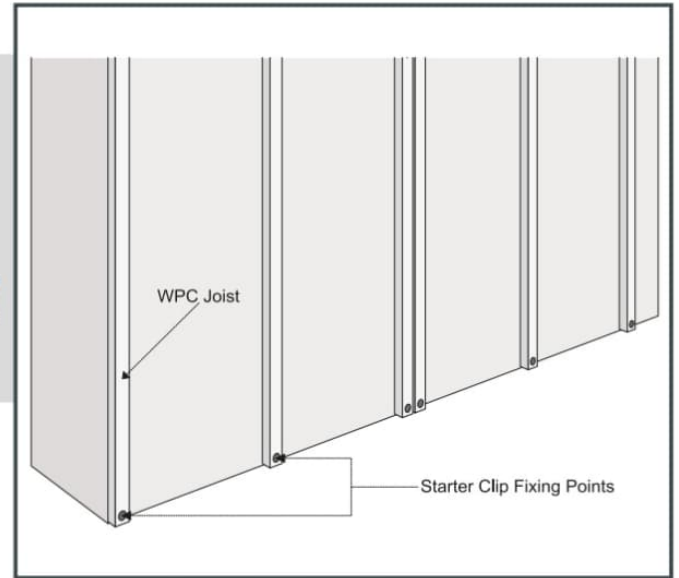
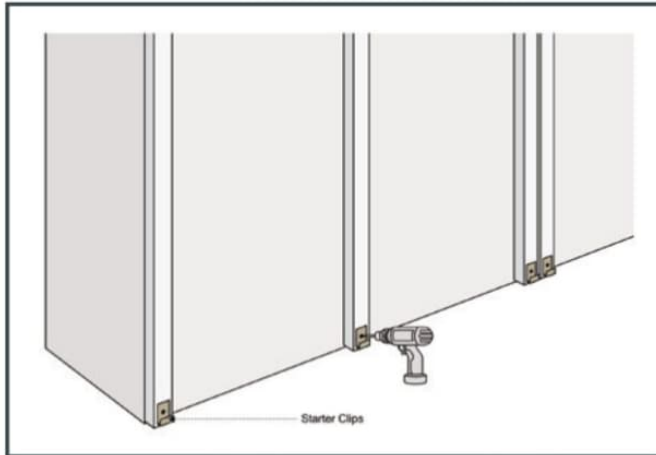
Ensure joists are laid level against the wall. Packers can be used to level-off any inconsistency in the level of the wall.



INSTALLATION - HORIZONTAL CLADDING

1 Align & Securely Fix Your Starter Clips To Your First Run Of Joists

Begin by attaching Starter Clips to the base of each of your joists using the stainless-steel screws provided. It is important that you mark a level line to ensure a straight row of Starter Clips are evenly fixed to your row of joists. Position and securely fix a Starter Clip at the base of each joist to ensure your first cladding board is secure.

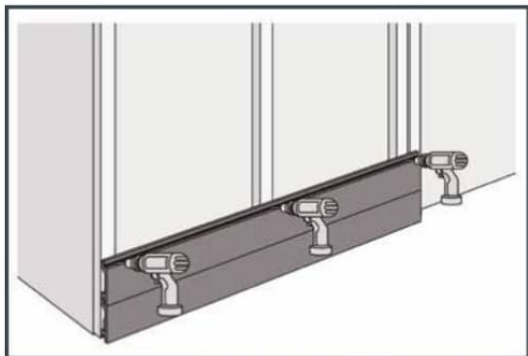
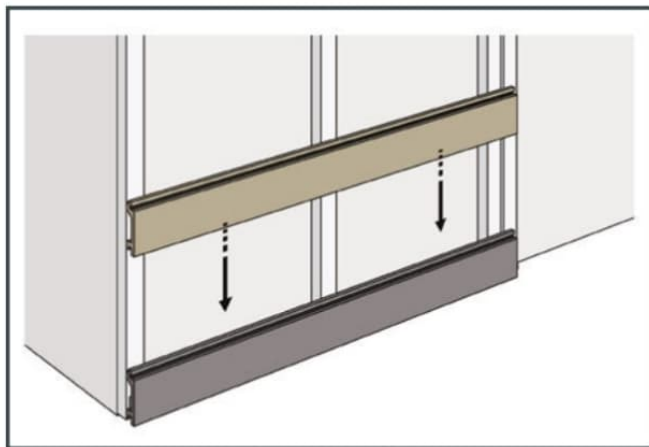


INSTALLATION - HORIZONTAL CLADDING

2 Fix Your First Cladding Board

When all Starter Clips are fixed to the base of the joists, align the concealed groove of your first cladding board with the opening of your Starter Clips and position the cladding board into place. If required, tap the top of the cladding board to ensure it is securely fixed into the full run of clips.

You are now ready to fix the top of the cladding board. Firstly, pre-drill a 3mm hole into the top channel of the first cladding board. Be sure to hold this in place as this will not yet be fully secured. Fix the top of the cladding board to the joist with a NeoTimber Cladding Screw. Work along the length of the cladding board to ensure the board is fixed to every supporting joist.



3 Install All Subsequent Boards Using Stainless Steel Cladding Screws

Slot the concealed groove of the second board into the top groove of your first cladding board. Once the base of the second cladding board is secure, fix the top grooved-channel by pre-drilling the material and fixing with a cladding screw, as shown in Step 2.

Repeat this process for all subsequent cladding boards. Allow for adequate expansion gaps at butt-ends of cladding boards.

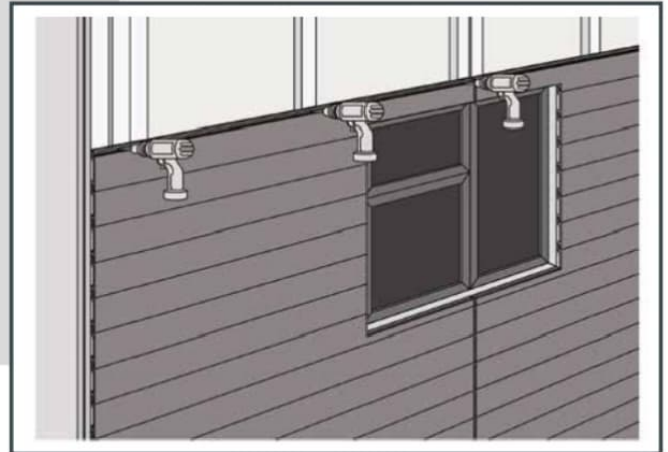
INSTALLATION - HORIZONTAL CLADDING

4 Installing Cladding Boards Around Fixtures Such As Doors On Windows

Depending on the design of the installation and the position of fixtures such as doors and window sills, there may be a requirement to cut cladding boards along their length to suit the shape and design of the fixture.

Firstly, cut the cladding board to the correct size and shape. Fix this cladding board in the conventional way where possible (slotting the concealed groove into the cladding board below and fixing the top groove onto your joist with a Cladding Screw). In areas where this is not possible, use a colour-matched Trim Screw to face fix the unsupported section of the board to a supporting joist. If you are installing either our Classic or Deluxe cladding board and are unable to fix this cladding board through the fixing grooves, a 12mm packer will be required to sit behind the cladding board in order to ensure a secure and proper fixing.

Each cladding board should be fixed at both the top and bottom.

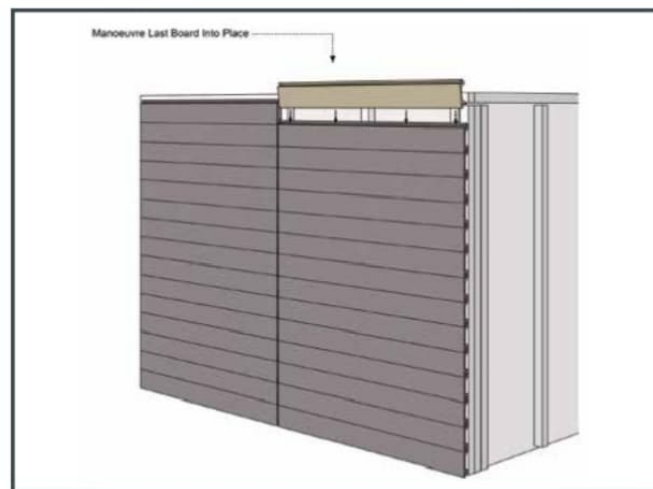
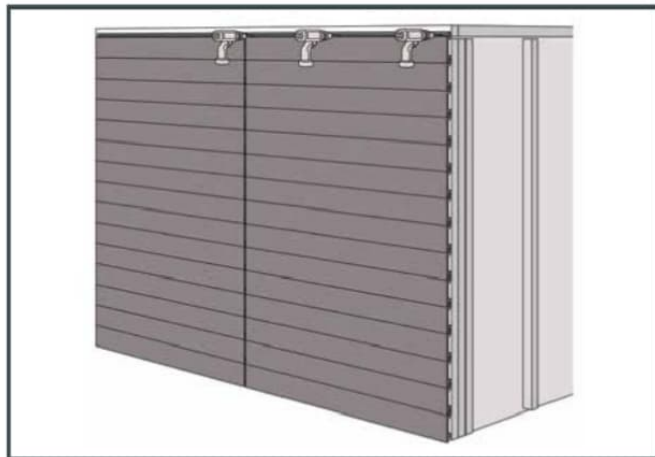


INSTALLATION - HORIZONTAL CLADDING

5 Installing The Final Cladding Board

Install your final cladding board by fixing its concealed groove to the top groove of your penultimate board. If there is no need to cut your final cladding board, simply fix the top groove of the cladding board as you would any other.

If there is need to cut the final cladding board down its length, face fix the material using a screw fixing into the face of the product.



INSTALLATION - VERTICAL CLADDING

1 Align & Securely Fix Your Starter Clips To The First Run Of Joists

Starting at the edge of your project, begin attaching Starter Clips to the edge of your framework using the stainless screws provided. It is important that you mark a level line to ensure a straight and level line of Starter Clips are evenly fixed to your row of battens. Position and securely fix a Starter Clip at the furthest edge of each joist to ensure your first cladding board is securely fixed into place.



2 - 5 Follow the steps outlined in steps 2-5 of the "Horizontal Installation" guide

INSTALLTION - CORNER & SKIRTING TRIM

Installing Our Edging Options To Cover Exposed Edges & Expansion Gaps

When cladding the internal sections of a window or door, NeoTimber's range of edging options can be used. We provide installation guidance on two separate ways you can install these options.

Covering Your Final Cladding Boards With A Skirting Trim

Cut the trim down to size and fix on the internal section of the window sill, ensuring the exposed edge of the cladding boards are suitably concealed. Pre-drill the material and fix securely at 300mm intervals using NeoTimber's Colour-Coded Trim Screws.

Covering Exposed Edges & Corners With A Corner Trim

When faced with an exposed corner section whereby two rows of adjoining cladding boards are left exposed, NeoTimber's Corner Trim can be fixed. Measure the area and cut the L-Shaped Corner Trim to size; pre-drill the material and then fix securely using NeoTimber's Coloured Trim Screw. Fix at every 300mm along its length.

