ICOMPOSITE

SALES



B COMPOSITE PANEL CLADDING INSTALLATION GUIDE



WELCOME TO

OUR INSTALLATION GUIDE

Available in five distinct colours, our composite panel cladding is suitable for a wide variety of properties.

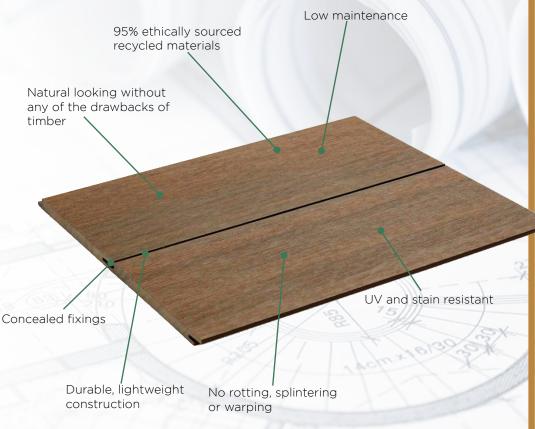
In contrast to Ecoscape's slatted cladding, the panel cladding favours a traditional style of building, mimicking the look of old-fashioned timber, with no need to paint, stain, or oil.

This versatile system offers flexibility and style while also maintaining the same environmentally friendly ethos. The composite panel range is made up of high quality recycled HDPE plastic and reclaimed wood fibres. Composite panel cladding products come with a 25-year warranty.

FIRE RATING CLASS E LOW MAINTENANCE, NO NEED TO PAINT NO ROTTING, SPLINTERING OR WARPING 25-YEAR WARRANTY **CE CERTIFIED ENVIRONMENTALLY FRIENDLY**

The Board

Our composite panel cladding boards are made from a combination of recycled high density polyethylene and reclaimed wood fibres. This composite of materials results in a high strength cladding system that is fully resistant to weathering.



Each board is 142mm wide x 13mm thick x 3.6mtr long

Please note that the above product images show two cladding boards for reference purposes and are used for illustration purposes only. The actual product may slightly vary from the image supplied.

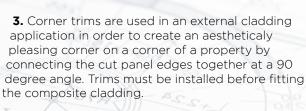


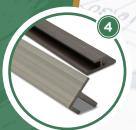


Accessories

- 1. Starter bars, made from aluminium, are a crucial part of a composite cladding installation. They should be set in place before the first board of cladding is secured into it.
- 2. Cladding clips are used to fix and align composite cladding boards securely. We recommend using seven clips per cladding board, with them being placed at 500mm centres. Each pack of 250 clips will fix approximately 35 boards of cladding.

These plastic pads are used in conjunction with our cladding screws for starter bars to conceal the screw and create a clean fixing as well as protect the integrity of the starter bar.





4. F trims are the solution to neatly fitting cladding around doors and windows and creating a break in a cladding run.

Joint trims, also known as "H" trims are used to connect two cladding panels together in a straight line by joining them at the ends.



5. Composite finishing boards are a versatile product, they are most commonly used as a method to provide a clean finish to the top or bottom of a wall of cladding.



Whilst our composite materials are highly durable, we do recommend you follow the below guidelines for storage, handling, and installation to ensure products are kept in the best possible condition.

Materials should be covered until ready to install to ensure a clean surface. All products should be stored flat and supported above the ground at 500mm intervals starting at the ends. Battens used to separate and support the cladding material should be spaced no greater than 500mm. Supporting battens used in storage should align through the stack to equally transfer the load to the ground.

Allow the composite cladding to acclimatise for a minimum of 3 days prior to installation.

Use

Standard woodworking tools may be used. It is recommended that all blades have a carbide tip. Stainless steel or acceptable coated screws are recommended. Plan a layout for your cladding before starting to ensure the best looking layout is achieved. Pay particular attention to interfaces with doors, windows and soffits in order to determine the optimal starting position for the first boards. Boards must be supported by a compliant substructure and CANNOT be installed onto existing cladding boards. All fixings should be fastened at a 90 degree angle to the cladding system. Use white chalk, straight boards or string lines as templates. NEVER use coloured chalk on the boards as this can cause permanent staining.

Handling

Cladding materials should be placed and not dumped when unloading. Boards should be lifted and set down with care to avoid damage. Do not slide boards over one another. Cladding boards should be carried in the middle and on their edge for best support when moving. During installation, avoid sliding or dragging any equipment across the board to prevent the surface from tarnishing.





Personal protection equipment (PPE) should be worn at all times when installing composite cladding.

We recommend to wear gloves, protective eye wear, and a dust mask.





BEFORE YOU START

PRE INSTALLATION NOTES:

SPACING BOARDS & BATTENS:

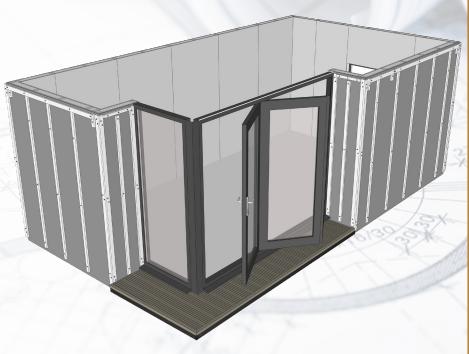
- •Cladding board ends should have a 3mm gap between adjoining boards.
- •Timber battens should be installed with a 20mm gap between ends.
- •Provide a 15mm gap between the lowest cladding board and the ground.
- •A clear cavity of no less than 25mm should be provided between the rear face of the cladding and the outer wall/surface of the structure being clad to allow sufficient airflow.
- •Battens should be no more than 500mm from centre to centre.
- •Extra care is required in order to provide sufficient battening around windows, fascias, soffits, guttering, ventilation points and corners of walls. These locations should be planned and co-ordinated with the Panel Cladding system to ensure alignment with the composite fascias and trims. This will allow fixing of the fascia & trims back to the Battens.
- •A double Batten arrangement will be required for mid panel joints and at corners to allow the Joint Trims to be seated and fixed to both Battens.

CLADDING BATTEN LAYOUT:

Battens are fixed directly to the outer wall once a waterproof membrane / vapour barrier is in place. This is the most common method for boards installed horizontally.

If the wall is uneven or cannot bear additional loads, the cladding may be fixed to battens on a self-supporting frame.

Below is an example of a typical installation and will be used to demonstrate the installation of the Panel Composite Cladding System:



BEFORE YOU START

PRE INSTALLATION NOTES:

BATTEN SPECIFICATION:

Cladding can be fixed to pressure treated softwood timber battens (in accordance with BS8417) or Aluminium battens depending on design requirements.

Battens should be fixed into position at 500mm centres using suitable A4 stainless steel countersunk wood/ masonry screws. All battens need to be fixed in a minimum of 3 places.

All Battens need to be minimum 25mm thick, flat and levelled against the wall. Use shims as required.

Battens to be used at external corners should be at least 50mm wide to accommodate the external angle trim and provide space for the aluminium Cladding Clips to be fixed.

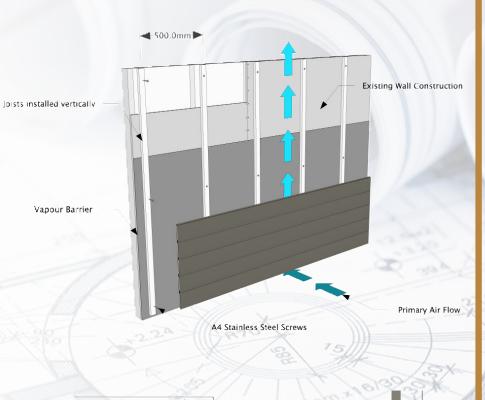
- External Corner Joists: 25mm thick x 50mm wide
- •Standard Joists: 25mm thick x 38mm wide
- •Finishing Board Batten: 19mm thick x 32mm wide

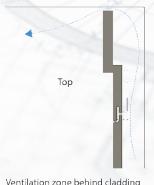
VAPOUR BARRIER:

A building professional should be consulted regarding vapour barriers and insulation for your project. Where a vapour barrier is to be used, it should be a breathable type and must be positioned behind the joists to allow the cladding a minimum 25mm airflow. It is essential that a barrier/ coating is installed to prevent water penetration.

LOCAL BUILDING CODES:

Prior to installing any composite cladding system 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 and are not meant or implied to replace a licensed professional.



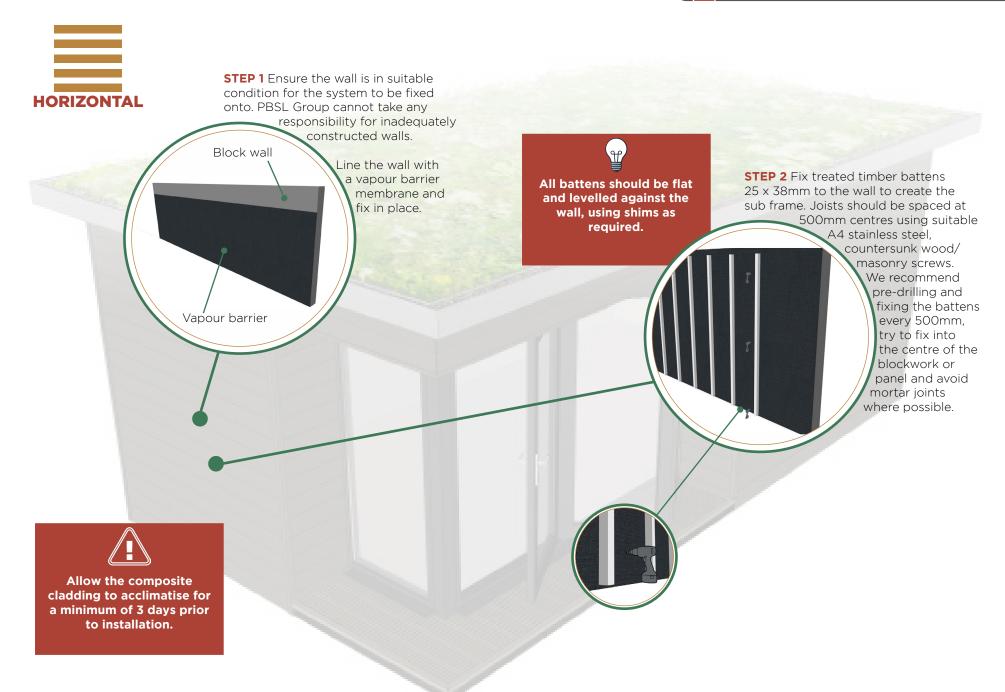




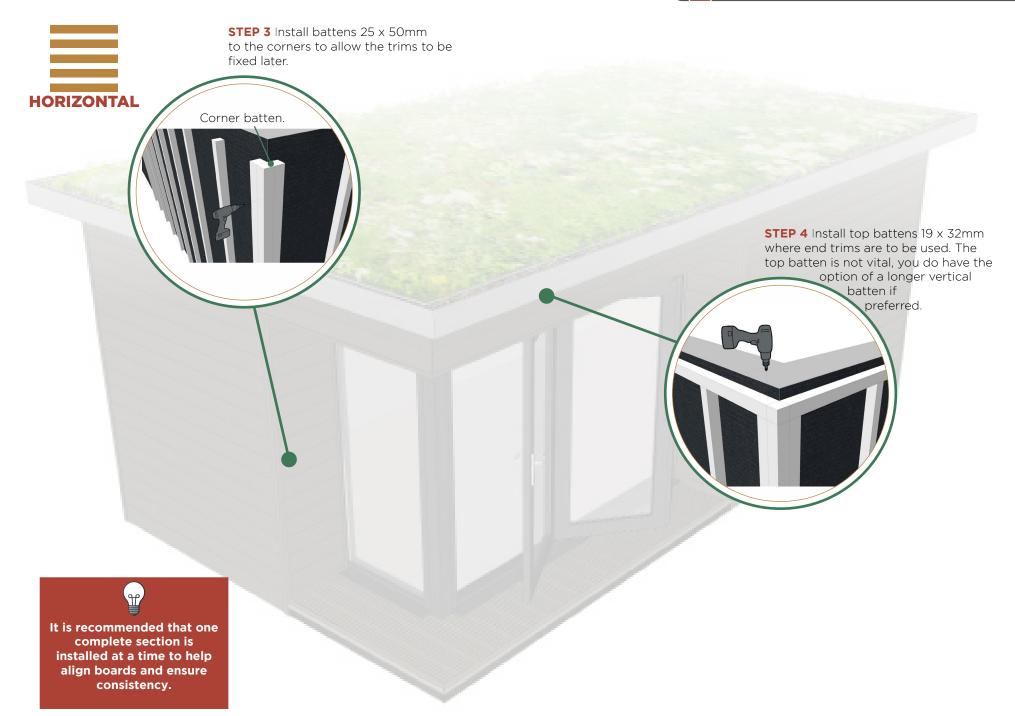
Ventilation zone behind cladding

Primary ventilation from bottom













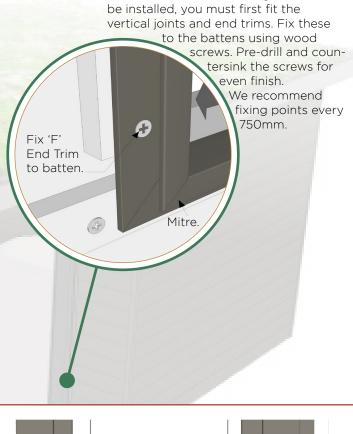
STEP 5 Before the cladding boards can be installed, you must first fit the corner trims. Fix these to the battens using wood screws. Pre-drill and countersink the Corner trim.

Batten.

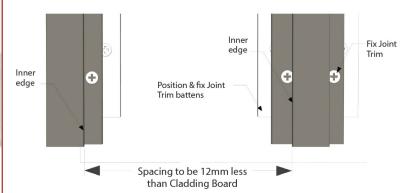
We recommend fixing points every 750mm.



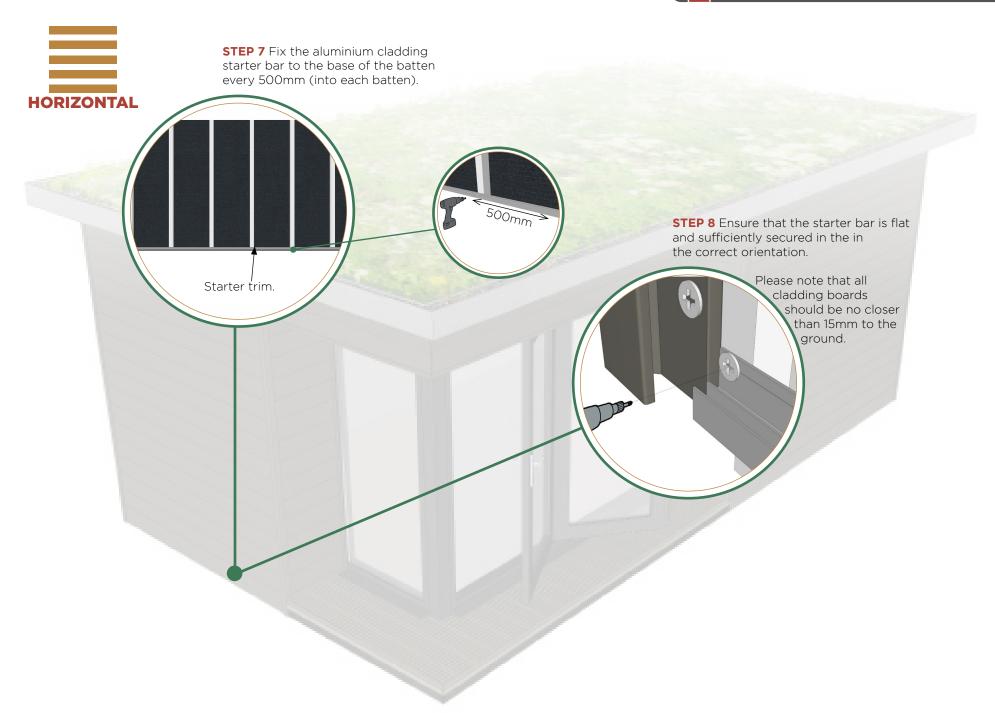
The aim is to ensure that 6mm of the cladding board is housed within the Trim at both ends.



STEP 6 Before the cladding boards can





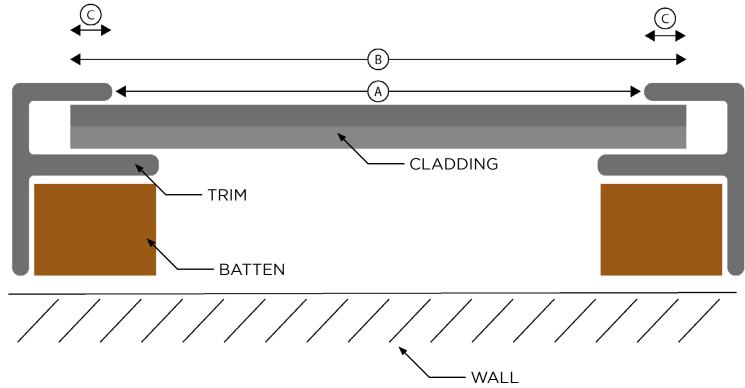




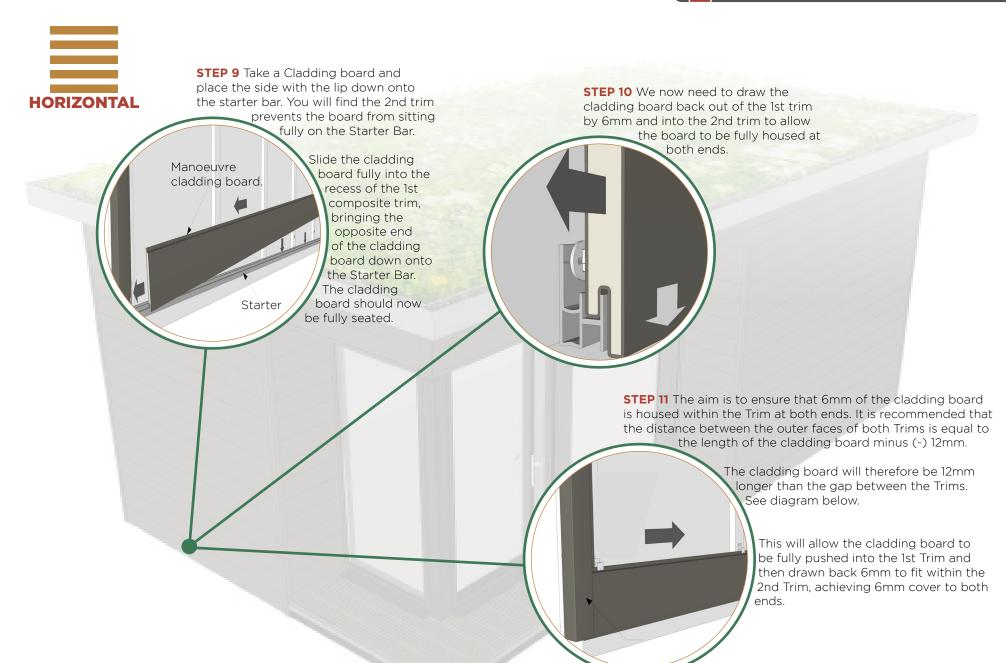


MEASURING CLADDING FOR CUTTING:

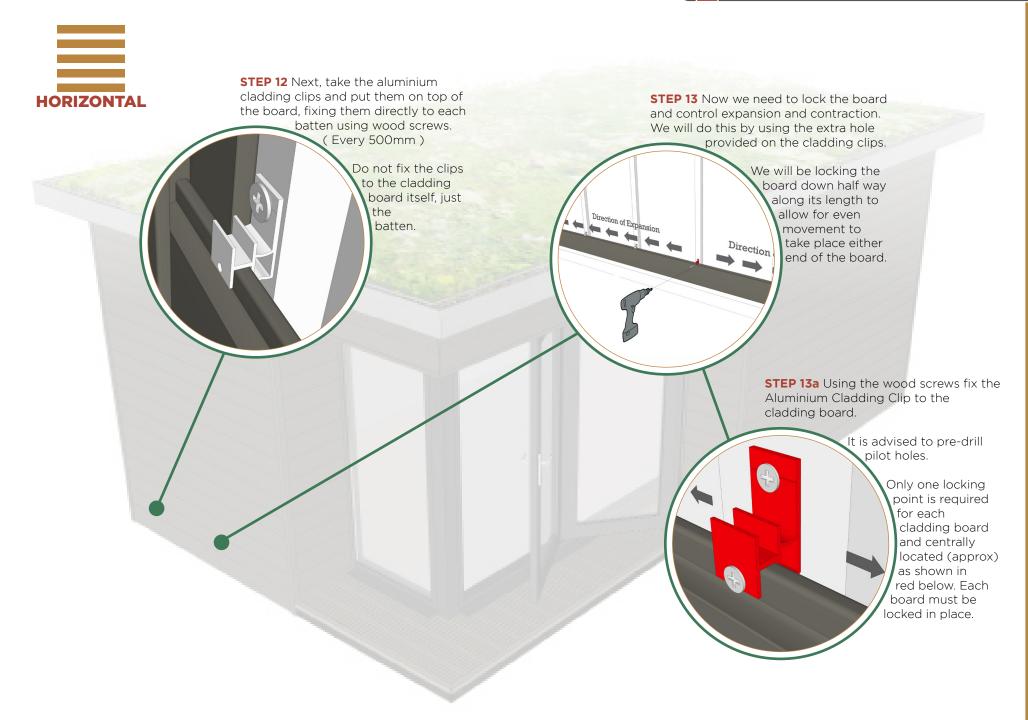
- 1. Measure the distance between the inner edge of your trims. (A)
- 2. Add 12mm to (A) to find the value of (B) the length required for your Cladding.
- 3. Measure and cut your cladding to the correct size.
- 4. Insert cladding into the trims, see page 6 steps 9 to 11.
- 5. Adjust the cladding within the trims to achieving 6mm cover to both ends. (C)



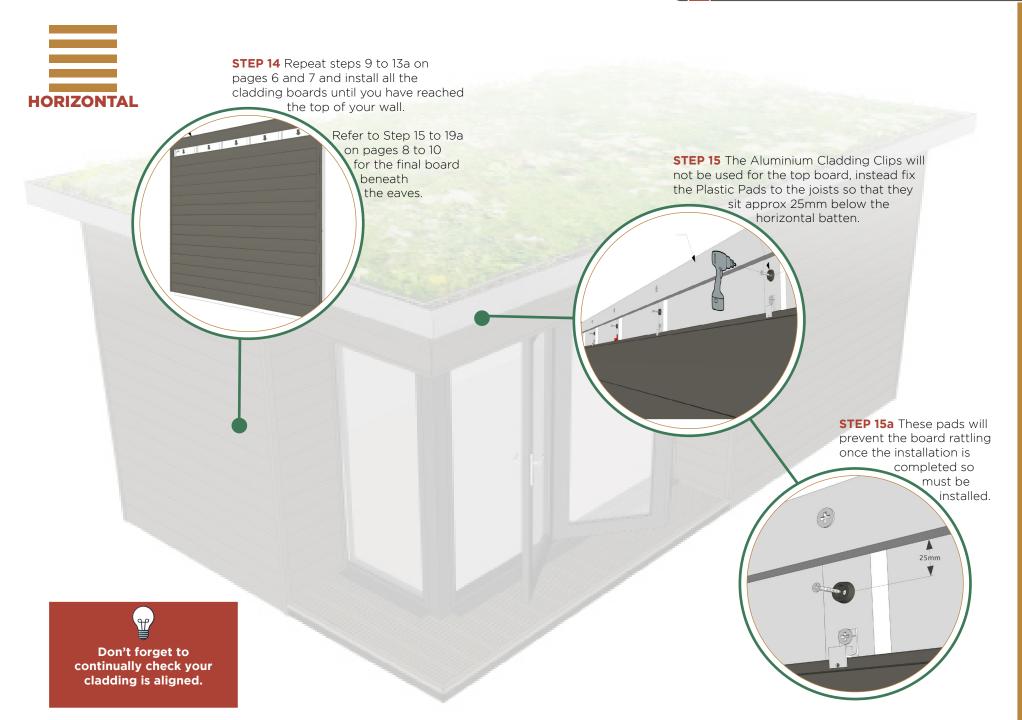


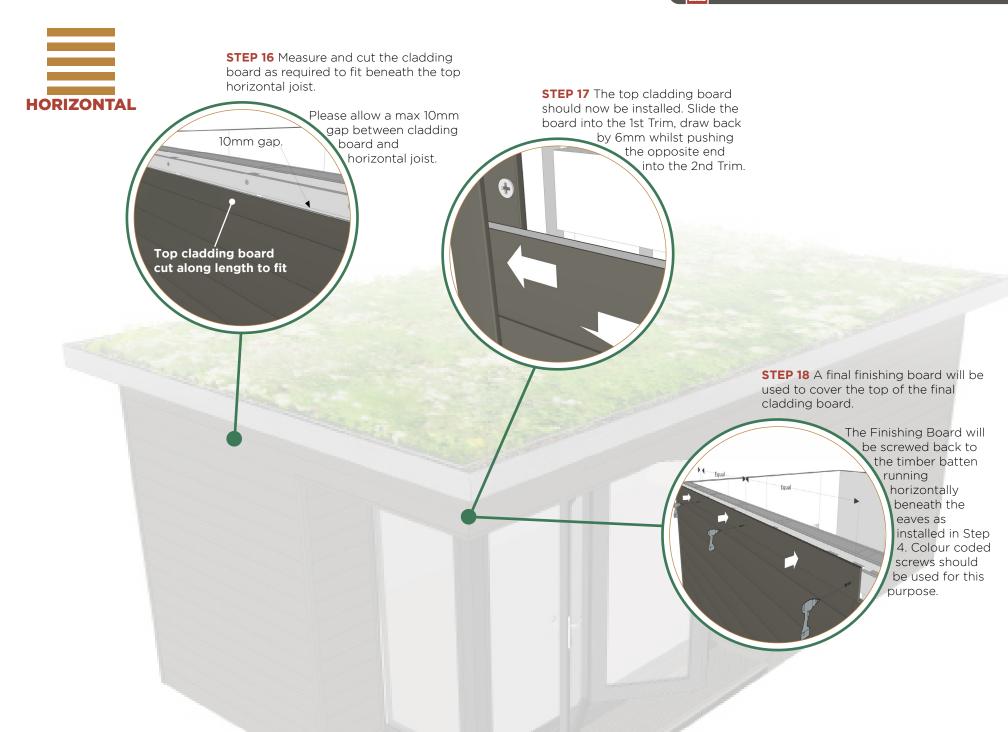
















Board

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STEP 19 It is recommended that the ends of the finishing boards align with the centreline of the vertical trims, although not essential.

Please allow a 3mm gap between bottom

3mm Gap

Joint Trim

of finishing board

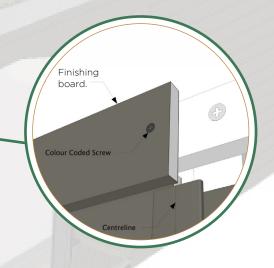
trim for

expansion.

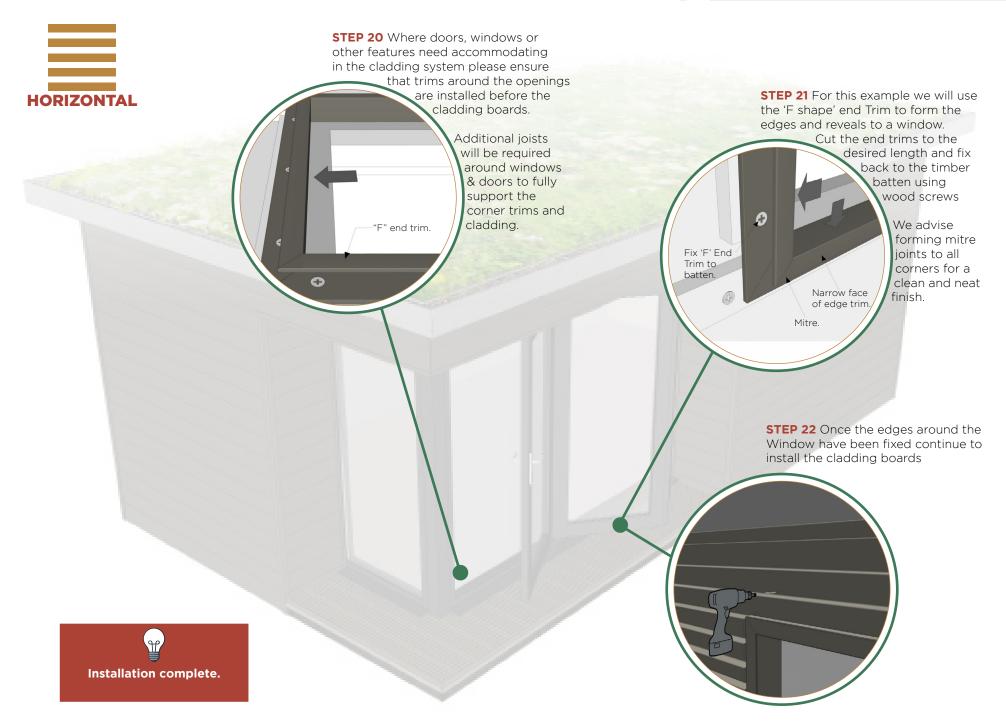
and top of vertical

STEP 19a The Finishing Board can be installed after each portion of cladding is completed or at the

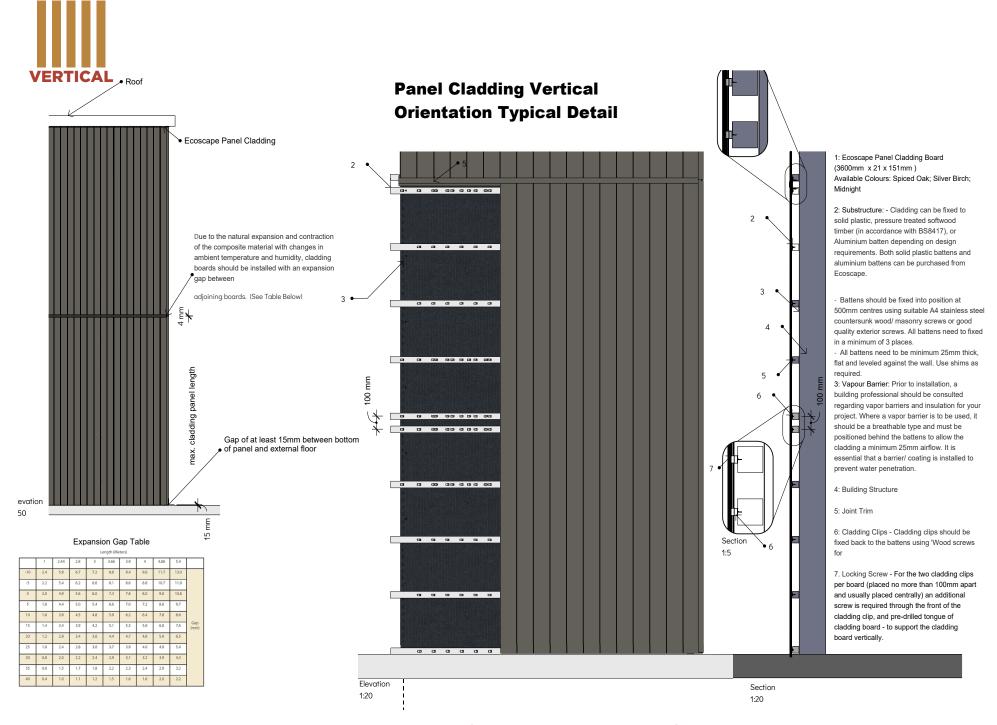












ALSO AVAILABLE:











