



COMPOSITE 3D CLADDING INSTALLATION GUIDE



TIMMDEK[®]

THE SUSTAINABLE WOOD COMPOSITE ALTERNATIVE

2025

CAT2003 | R1 | DLU:11/02/25

www.timmdek.com

DECKING | TRIM | CLADDING | ELITEBEAM | BELTERPRO FASTENERS

TIMMDEK® 3D CLADDING INSTALLATION GUIDE

Select the Timmdek® cladding range that suits your desired appearance, and arrange boards according to your preference. First verify local building codes and regulations with your regulatory agency before construction, and follow all installation instructions carefully, paying close attention to critical details such as:

Proper gapping, accurate spacing and correct fastener requirements

By doing so, you'll achieve a stunning and durable deck that meets all necessary standards.

SAFETY

Appropriate safety equipment is necessary when you deal with any type of construction project. Timmdek® highly recommends, but is not limited to the following safety equipment: gloves, a respiratory protection, long sleeves, pants, and safety glasses.

CALCULATING TIMMDEK® CLADDING MATERIAL NEEDS

To determine the required amount of Timmdek® cladding material, follow these steps:

1. Calculate the square footage of your wall surface by multiplying the length by the width.
2. Add 10% to the total to account for scrap material.

PLANNING AND INSTALLATION

Before installation, plan the layout of your cladding to ensure the best possible appearance. Consider the following:

- Building codes and zoning ordinances typically apply to permanent structures, requiring permits and inspections from local building departments.
- Create a site plan to minimise errors and achieve your desired wall cladding design.

By following these steps, you'll be well-prepared to tackle your wall cladding project with Timmdek®.

UNDERSTANDING THERMAL EXPANSION AND CONTRACTION IN TIMMDEK® 3D CLADDING

Timmdek® 3D Cladding planks will naturally expand and contract with temperature fluctuations. This movement is most pronounced in areas with extreme temperature changes.

INSTALLATION CONSIDERATIONS

To minimise the effects of thermal expansion and contraction:

- Be aware that changes in length are most significant during the installation process.
- Avoid cutting planks in extreme temperatures, as this can cause noticeable contraction.
- Fasten planks as soon as possible after cutting to minimise movement.

By understanding and accommodating thermal expansion and contraction, you can ensure a successful installation of Timmdek® 3D Cladding.

ENVIRONMENT

You need a clean, smooth, flat and strong surface to install Timmdek® products. Make sure your plans meet local building codes before installing any type of cladding if installation is not that urgent.

TOOLS REQUIRED BEFORE STARTING YOUR INSTALLATION

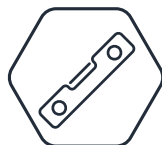
You need a clean, smooth, flat and strong surface to install Timmdek® products. Make sure your plans meet local building codes before installing any type of cladding if installation is not that urgent.



SAFETY
EQUIPMENT



POWER
DRILL



LEVEL



TAPE
MEASURE



POWER SAW



BELTERPRO
FASTENERS



PEN OR
MARKER

NOTE:

1. The trims we provide are not indispensable. You can determine your own trims according to your preference.
2. Joists must be installed before installing cladding in order to ensure safety.
3. Pre-drill by electric drill on wpc boards at every exact location where BelterPro screws should be fixed.
4. BelterPro Screws are required for every connection of cladding. It is recommended that more BelterPro screws should be prepared.

TIMMDEK® 3D CLADDING PROFILE AND SPECIFICATIONS

BENEFITS



UV
RESISTANT



STAIN
RESISTANT



WEATHER
RESISTANT



LOW
MAINTENANCE



SLIP
RESISTANT



25
YEARS
LIMITED WARRANTY



CLIP SYSTEM INSTALLATION

Our lightweight, yet durable new 3D Cladding Boards are designed to make the installation process a breeze with a new clip system, even for the untrained homeowner.

SPECIFICATIONS | 3D PROFILE

DIMENSIONS

219 x 26 mm

m / m²

5.00

MASS PER m²

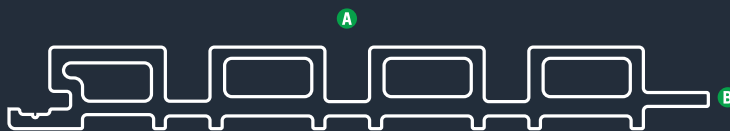
12.25 kg

PLANKS PER m²

0.86

MASS PER PLANK

14.21 kg



A 219.00 mm B 26.00 mm

COLOUR RANGE

NOTE: DUE TO PRINTING AND/OR SCREEN VARIATIONS, COLOURS IN THE BROCHURE MAY DIFFER SLIGHTLY FROM THE ACTUAL PRODUCTS.



ASPEN



CEDAR



CHARCOAL



TEAK



WALNUT

RECOMMENDED CLIPS & BELTERPRO FASTENERS



3D CLADDING
HORIZONTAL CLIP



3D CLADDING
VERTICAL CLIP



BELTERPRO
CLIP SCREW FOR
WOOD



BELTERPRO
CLIP SCREW FOR
METAL

FINISHING TRIM

OUR 3D CLADDING TRIM BOASTS THE SAME REMARKABLE LONGEVITY AND COLOUR PALETTE RANGE, WHILE HAVING THE SAME IMPRESSIVE 25 YEAR LIMITED WARRANTY.



WOOD GRAIN



RAISED GRAIN

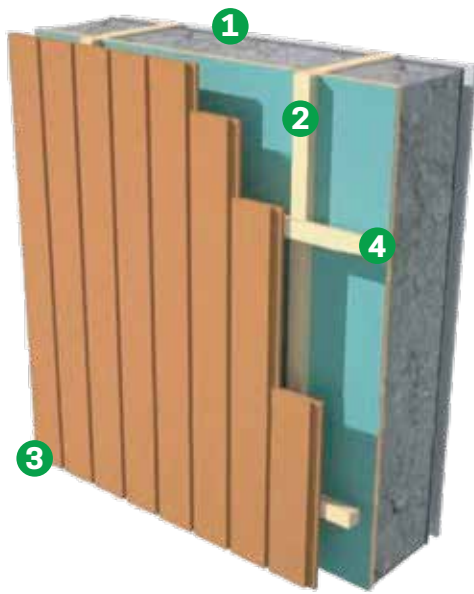
ROCKIES RANGE TRIM BOARDS



ELITEBEAM ALUMINUM TRIM

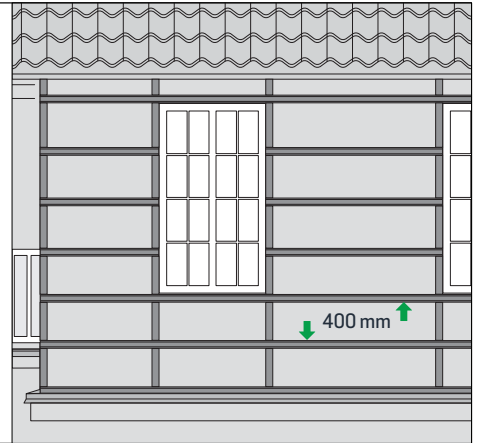
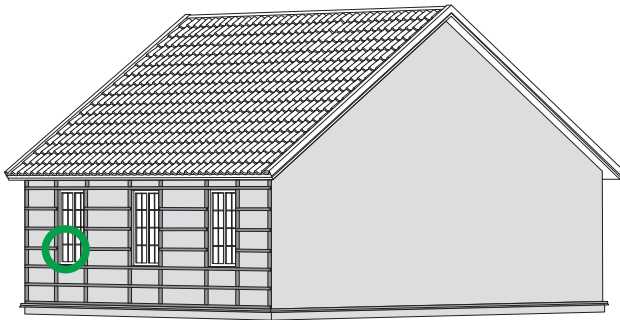
VERTICAL APPLICATION

In this installation guide we will cover both vertical and horizontal applications.

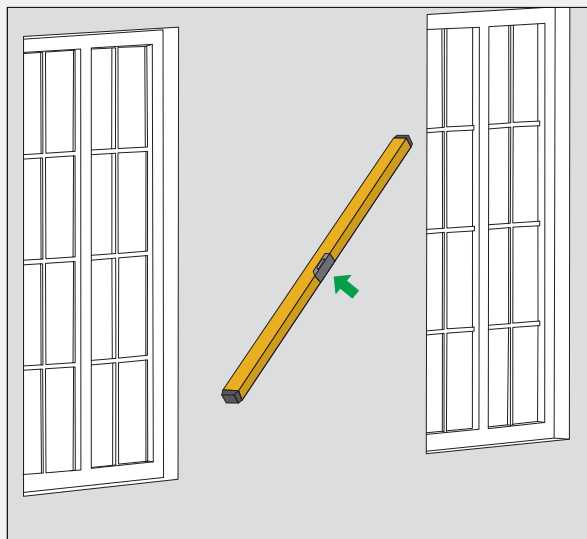


- 1 BREATHABLE MEMBRANE
- 2 TREATED FIXING BATTENS
38 x 25 or 50 x 25 screwed to studs at max 400 mm
- 3 VERTICAL BOARDS
Fastened at every intermediary support
- 4 TREATED BATTENS
38 x 25 or 50 x 25 screwed to studs at max 400 mm

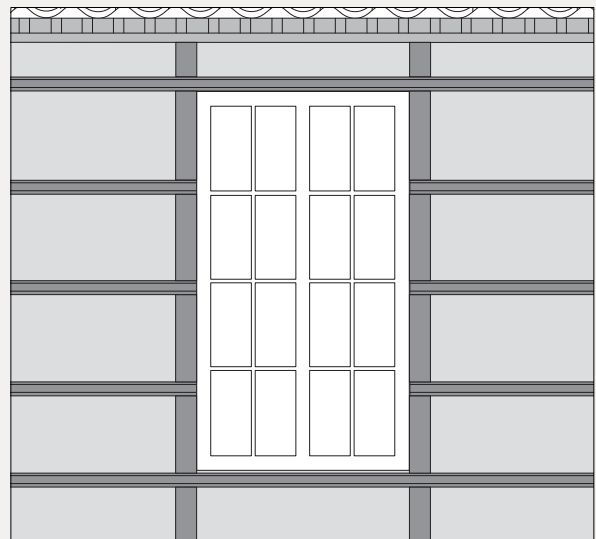
- 1 Install joists at 400 mm on center. Fix the joists with expansion screws. Install vertical joists for ventilation.



NOTE

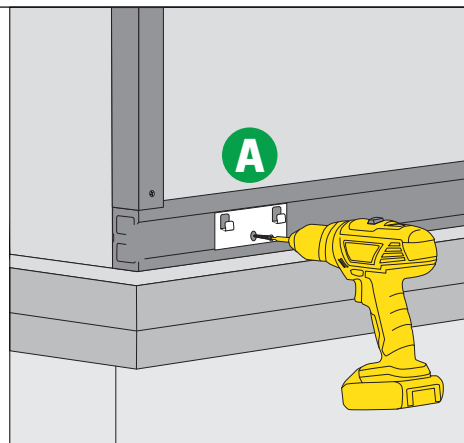
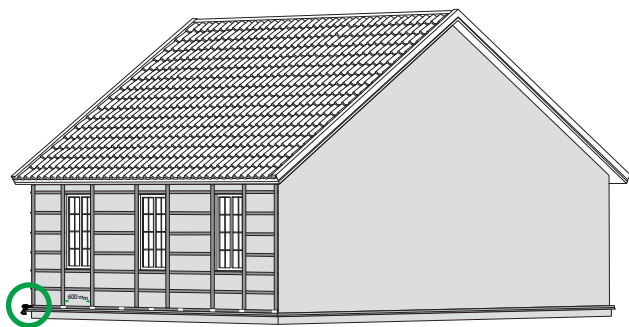


- Make sure that the wall is flat. (You can also use a laser level.)

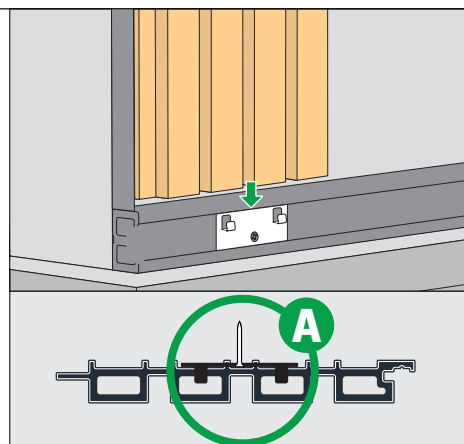
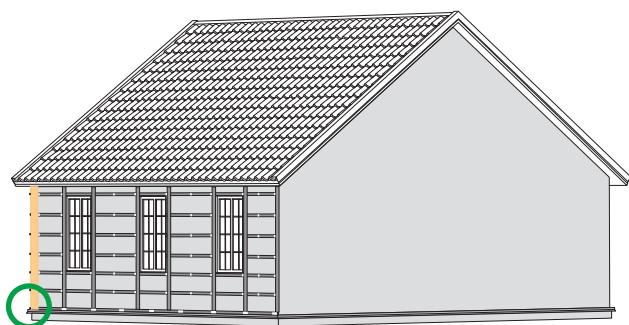


- Make sure that there is a joist next to the window side (50 mm is recommended).

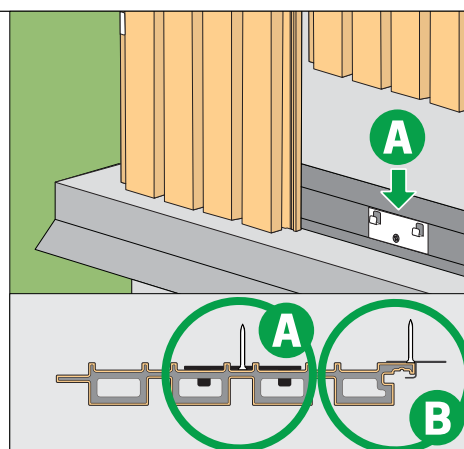
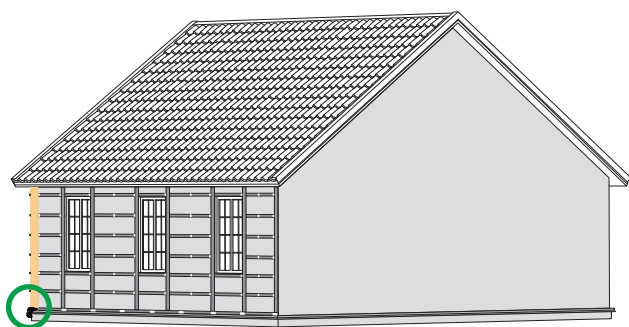
- 2** Fix the Vertical 3D Cladding Clip on the bottom joist, space 600 mm apart to insure the centre of cladding board lines up with the clip as shown in position **A**



- 3** Slide the first piece of cladding on to the Vertical 3D Cladding Clip. Clips should only be installed on the bottom joist to prevent shifting and placed in the middle of each board.

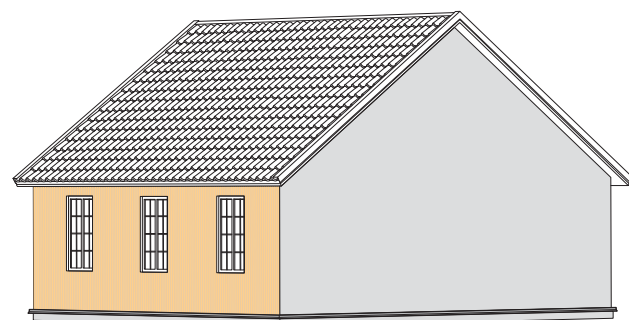


4

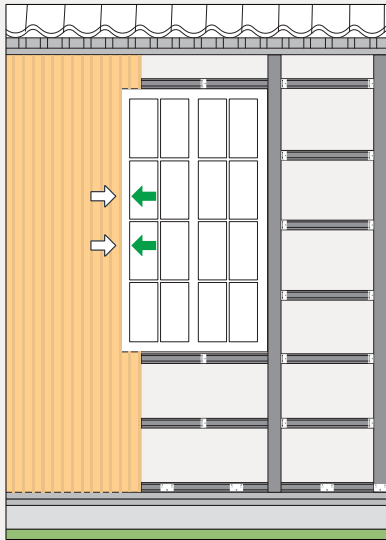


A Vertical 3D Cladding Clip **B** Horizontal 3D Cladding Clip

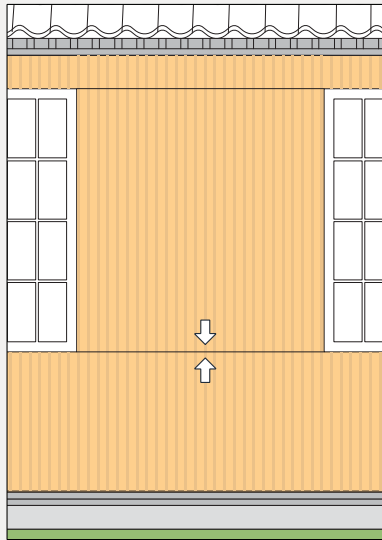
- 5** Keep installing cladding as above instruction **3 & 4**



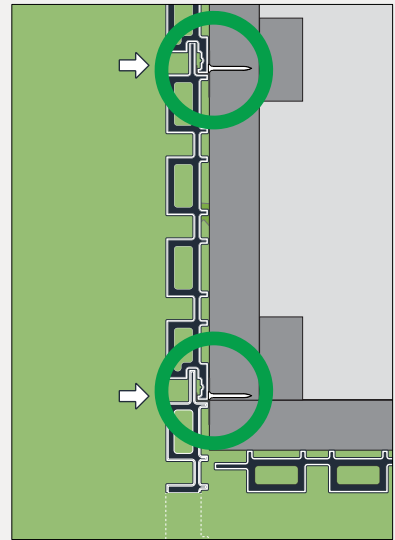
NOTE



- Cut the cladding of appropriate size to finish the joint part.

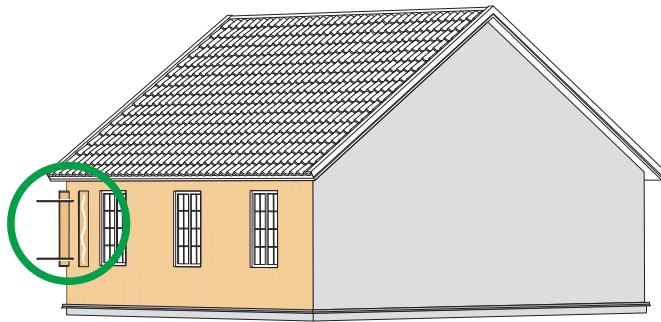


- Remain at least 4 mm gap between board connection.

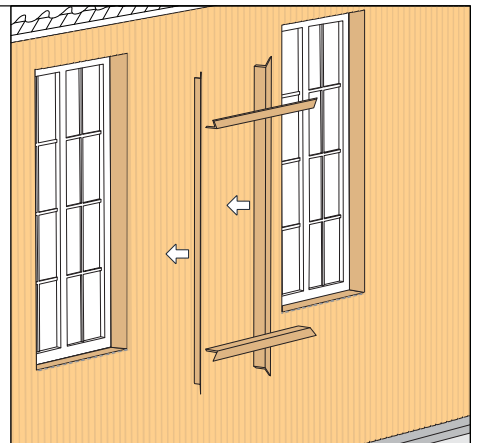
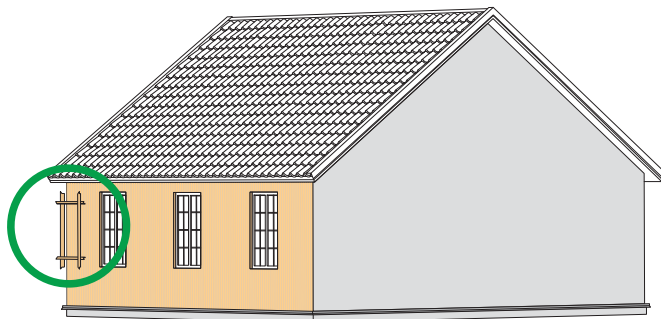


- Cut the cladding of appropriate size to finish the corner. Clips should be fixed to the place where boards connect.

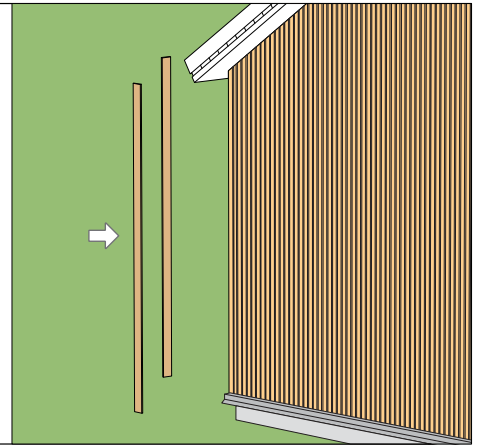
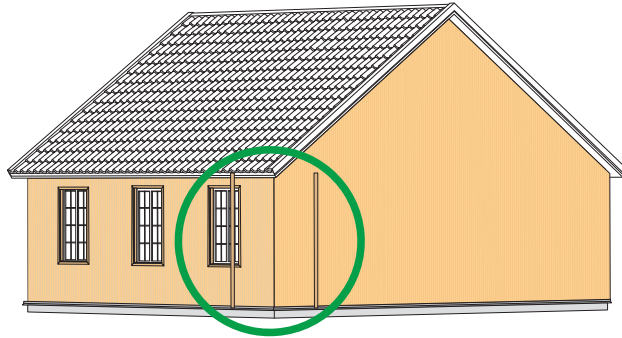
- 6** Before installing, pad suitable boards for window frame with Styrofoam. Fix the boards on the wall.



- 7** Install trim to cover the gap between window frame and cladding. Fix by BelterPro screws.



- 8 Install a trim or two solid trims if there is an external corner. Fix by BelterPro screws.



- 9 Install Rockies Trim under the roof and fix by BelterPro screws.



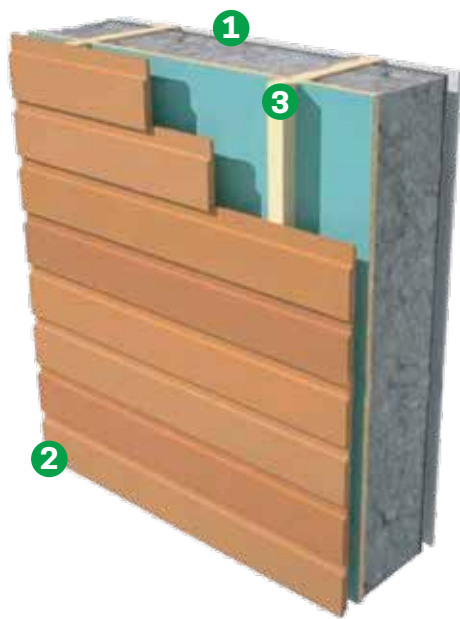
NOTE



- Rockies Trim is not necessary for inter corner. We can just simply put the panel crossly. Make sure that there are two joists inside.

HORIZONTAL APPLICATION

In this installation guide we will cover both vertical and horizontal applications.



1 BREATHABLE MEMBRANE

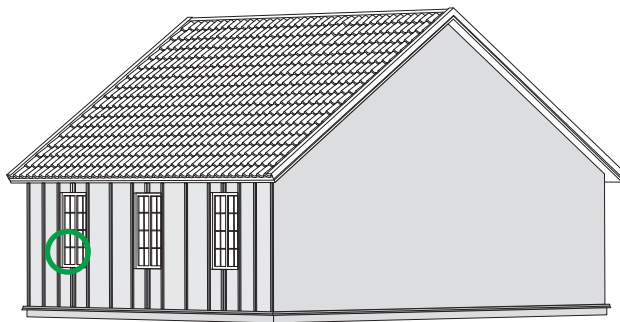
2 TREATED FIXING BATTENS

38 x 25 or 50 x 25 screwed to studs at max 400 mm

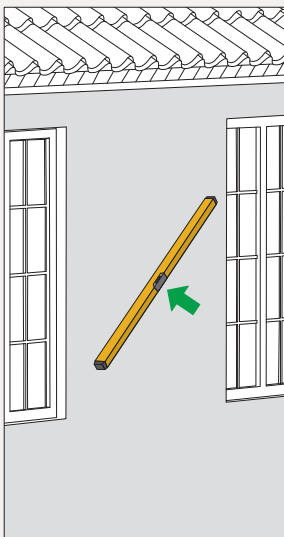
3 TREATED BATTENS

38 x 25 or 50 x 25 screwed to studs at max 400 mm

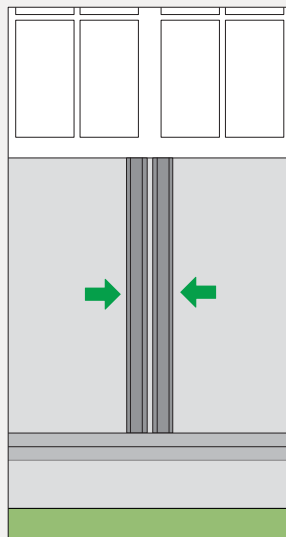
1 Install joists at 400 mm on center. Fix the joists with expansion screws.



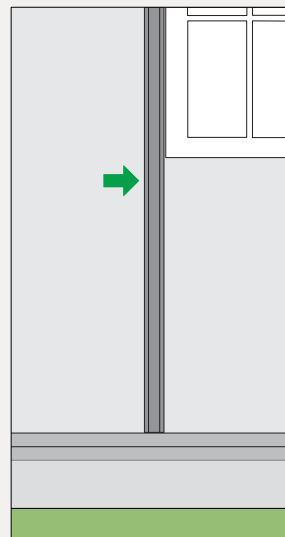
NOTE



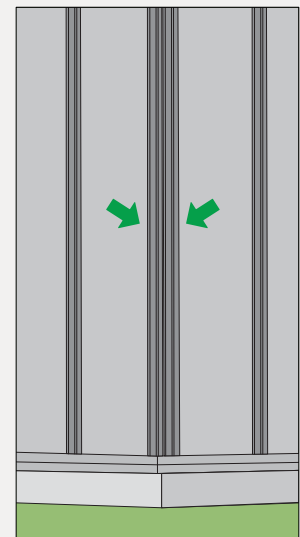
- Make sure the wall is flat. (You can also use a laser lever.)



- When window is encountered during installation, you need two pieces of joists.

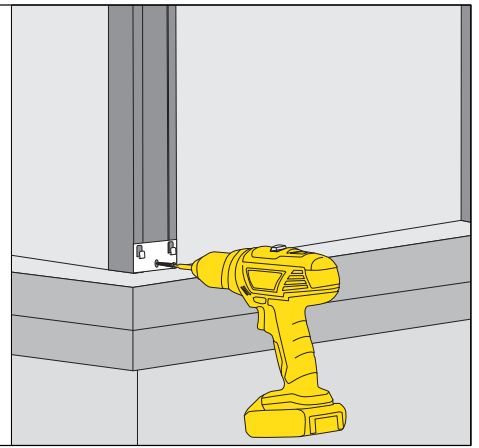
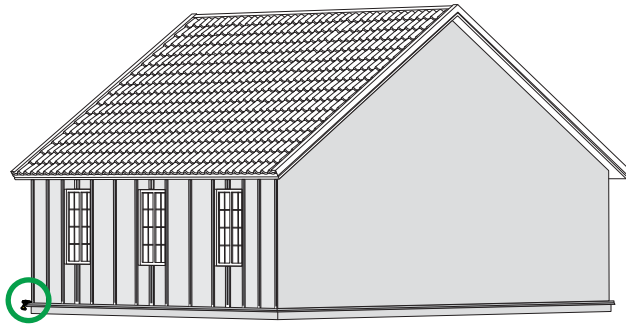


- Make sure that there is a joist next to the window side (50 mm is recommended).

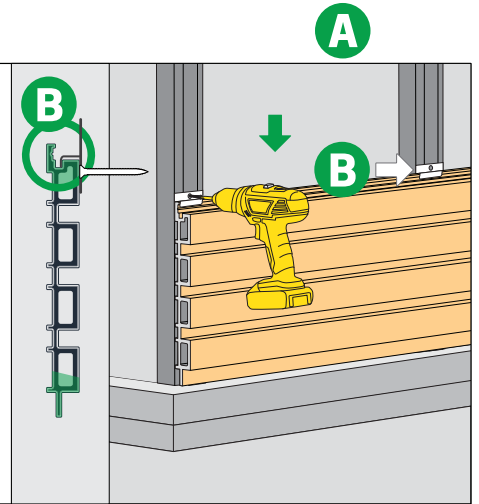
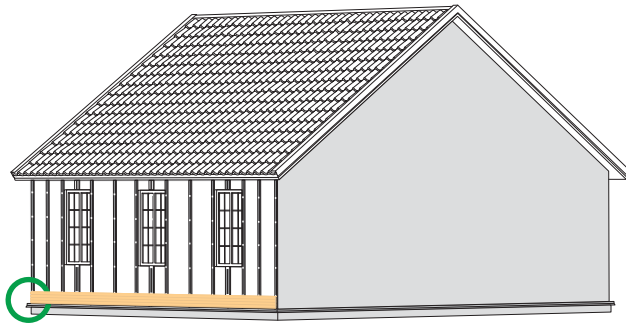


- Double joist for the corner. You can choose wooden joist and aluminum joist

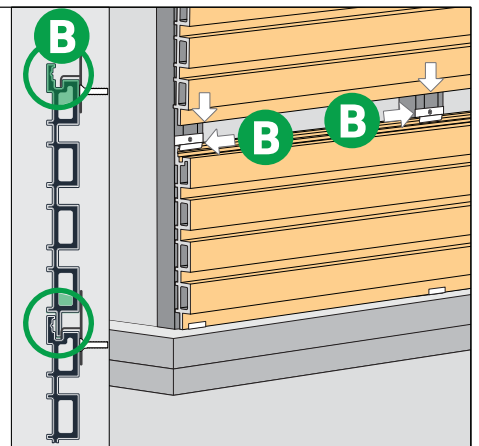
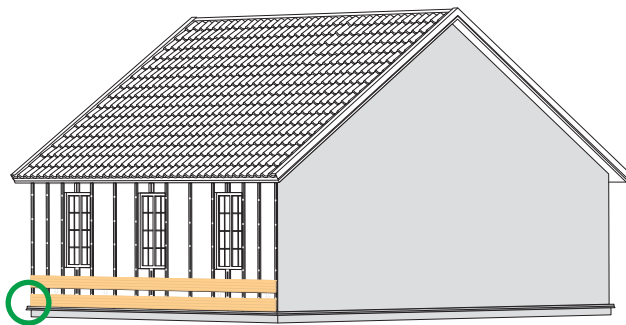
- 2** Fix the Vertical 3D Cladding Clip at every joist at the bottom.



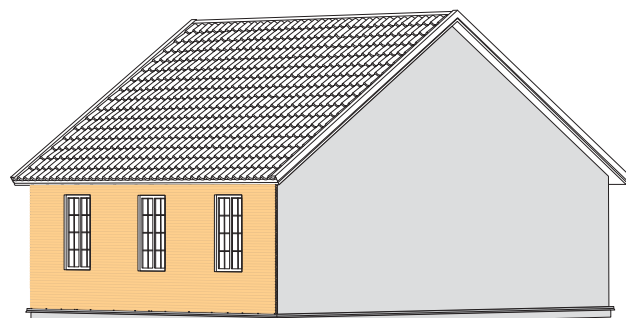
- 3** Put the first piece of cladding on Vertical 3D Cladding Clip and screw the Horizontal 3D Cladding Clip on top of the cladding board.



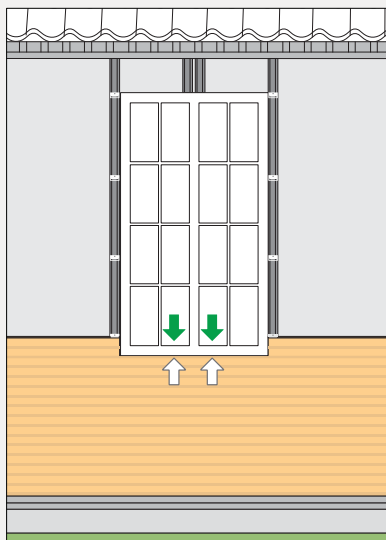
- 4** Slide the second cladding board in the groove and repeat process. No screws need to be screwed into the cladding board.



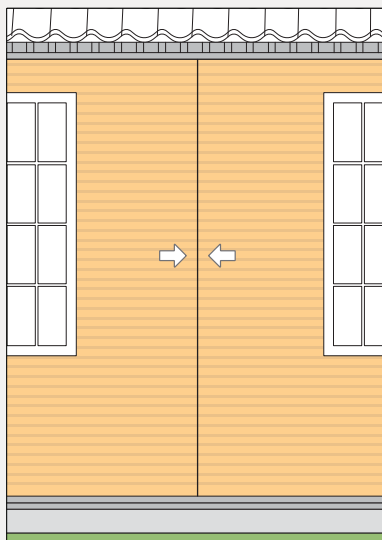
- 5** Keep installing cladding as above instruction **3** & **4**



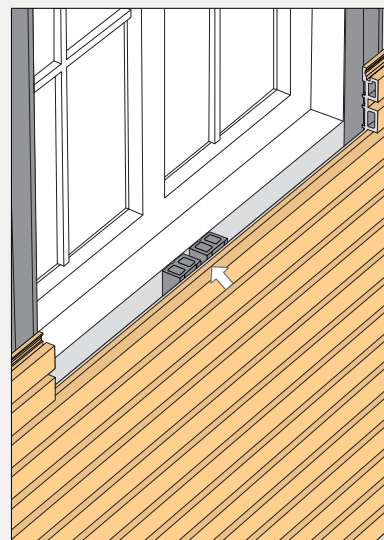
NOTE



- Cut the cladding of appropriate size to finish the joint part.

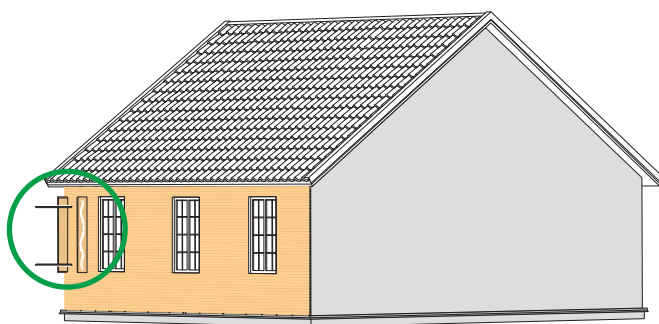


- Remain at least 4 mm gap between board connection.

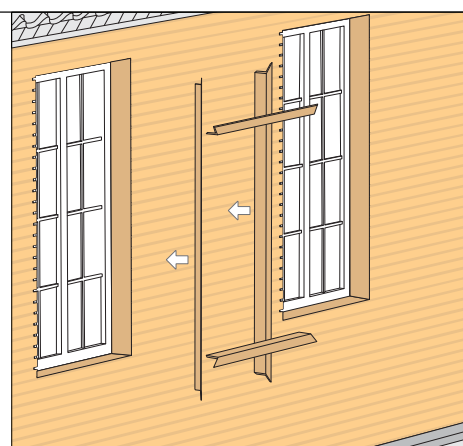
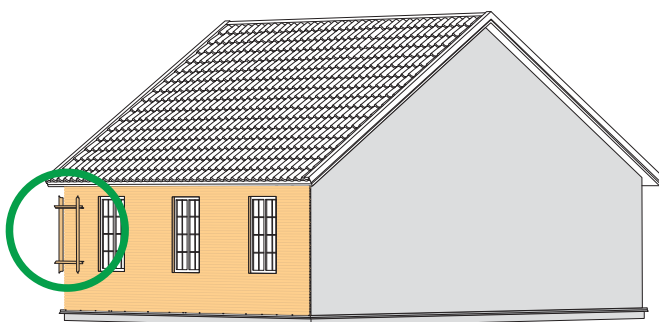


- Put a small piece of wood between the joist and the cladding on the top and bottom of the window.

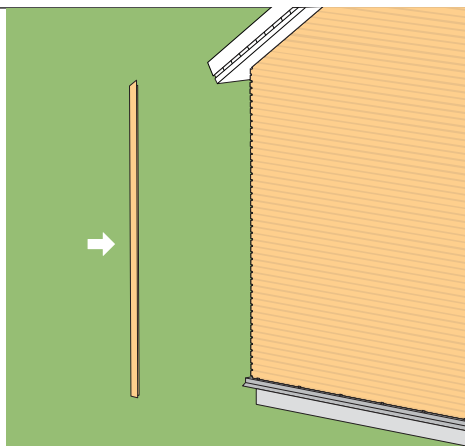
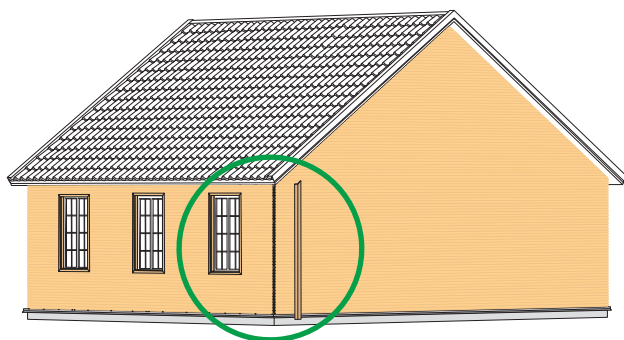
- 6** Before installing, pad suitable boards for window frame with Styrofoam. Fix the boards on the wall.



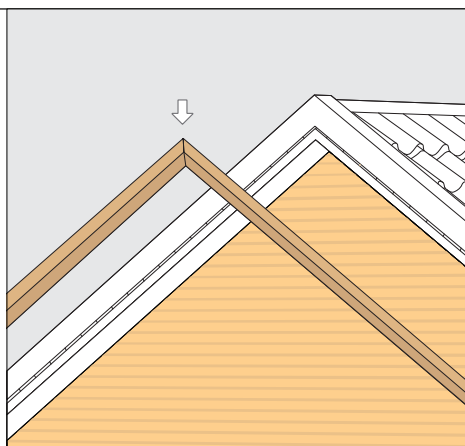
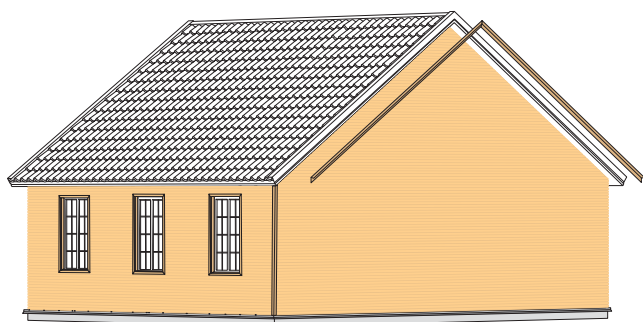
- 7** Install **Rockies Trim** to cover the gap between window frame and cladding. Fix by BelterPro screws.



- 8 Install **Rockies Trim** or two solid trims if there is an external corner.
Fix by BelterPro screws.



- 9 Install **Rockies Trim** under the roof and fix by BelterPro screws.



NOTE



- **Rockies Trim** is not necessary for inter corner. We can just simply put the panel crossly. Make sure that there are two joists inside.

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