

**Oakio Plastic Wood Building
Materials Co.,Ltd.**

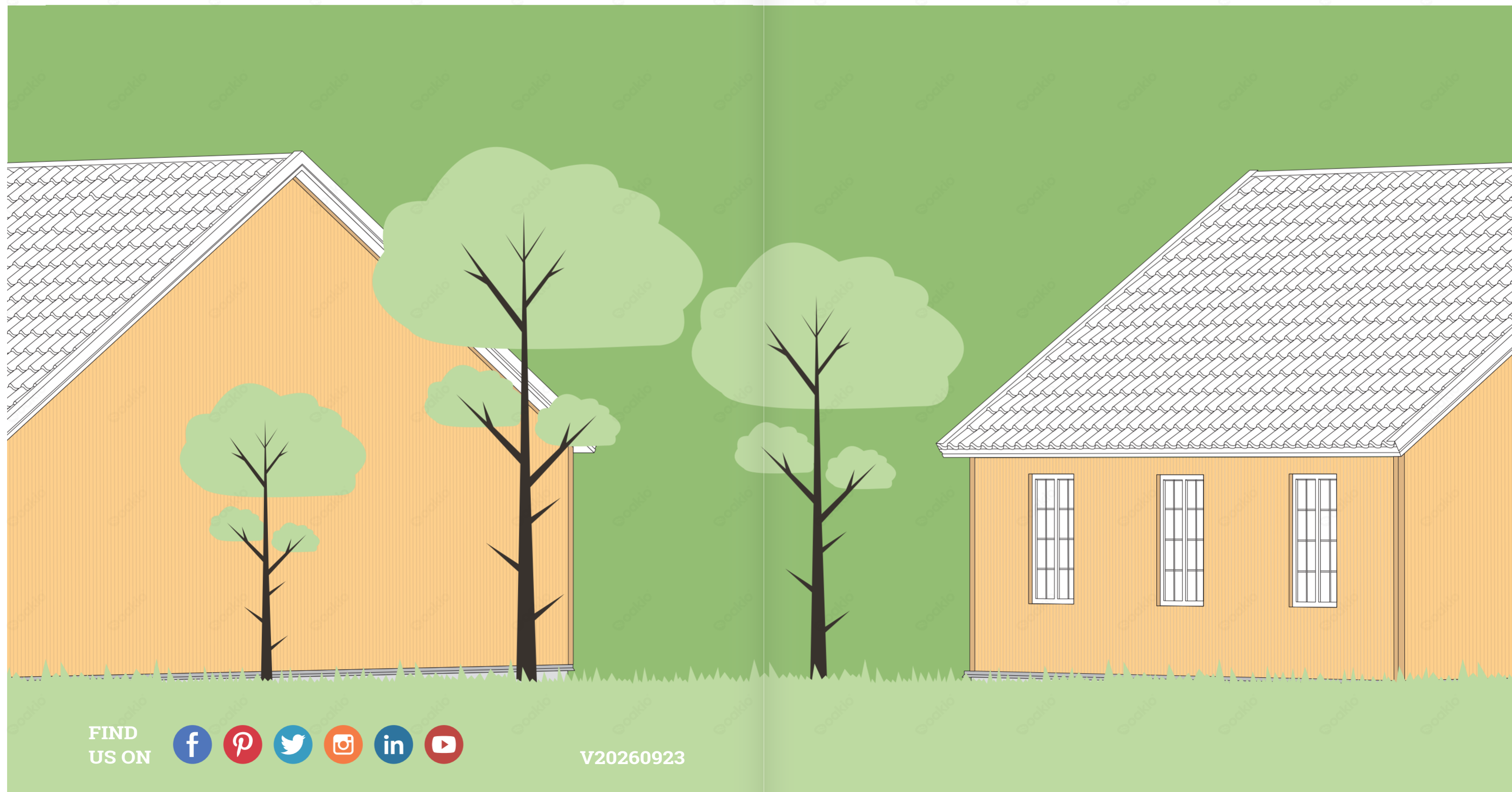
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V20260923

WPC Cladding

Installation Guide



Read All Sections Before You Install

This installation guideline outlines Oakio’s recommended methods for installing our products. While intended to be comprehensive, it may not cover every unique scenario. Installers remain responsible for choosing the method that best meets their project’s performance requirements. Oakio strongly recommends that all designs be reviewed and approved by a licensed architect, engineer, or local building official. Always verify that your plans comply with local building codes before you begin the installation.

Safety

Appropriate safety equipment is essential for any construction project. Oakio strongly recommends the use of the following protective gear (but not limited to): gloves, respiratory protection, long sleeves, pants, and safety glasses.

Planning Ahead

To determine the amount of Oakio cladding material needed, first calculate the wall surface area by multiplying its length by its width. Next, add approximately 10% to account for waste. Before installing, plan your cladding layout to ensure the best appearance. Because cladding permanently attached to the ground or the house is subject to local building codes and zoning ordinances, most installations require permits and inspections from the local building department. We recommend creating a site plan for your project to minimize errors and achieve a flawless wall cladding finish.

Expansion and Contraction

Oakio cladding planks expand and contract with temperature fluctuations—especially under extreme heat or cold. These length changes are most pronounced during installation: for example, planks cut on a hot afternoon will contract noticeably if left outdoors overnight in cooler air before fitting the next morning. To minimize movement, cut each plank and fasten it as soon as possible.

Environment

Ensure your installation surface is clean, smooth, flat, and structurally sound before fitting any Oakio products. If your project timeline allows, verify that your plans comply with local building codes before you begin installing cladding.

To get latest information,
please visit our website: [www. Oakio.com](http://www.Oakio.com).

Read All Sections Before You Install

Tools

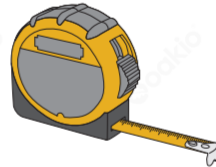
The tools you need for this installation are illustrated below:



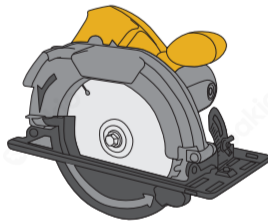
Electric Drill



Guiding Rule



Tape Measure



Saw

Note

1. Trims are optional. Choose trims that suit your aesthetic preferences.
2. Always install and secure joists before fitting the cladding to ensure structural safety.
3. All screw holes shall be pre-drilled, as driving screws without pre-drilling may cause the boards to crack.
4. Use an electric drill to pre-drill holes in each WPC board at the exact locations where screws will be inserted.
5. Fix every cladding joint with screws. We recommend preparing extra screws to account for any adjustments or replacements.

Clips



Starter Clip

Code: AM45
Size: 47 x 32mm
Depth of slot: 9.2mm / 6.5mm



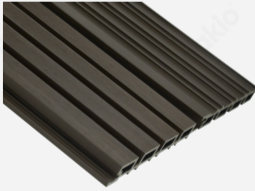
Splice Clip

Code: AM46
Size: 38.3 x 32mm
Depth of slot: 5.5mm

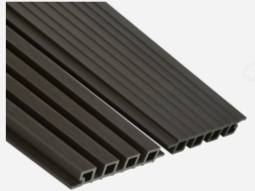
Read All Sections
Before You Install

To get latest information,
please visit our website: [www. Oakio.com](http://www.Oakio.com).

Profiles



Proshield cladding
Model: 
Code: PPC03
Size: 219x26mm
Suitable clip: AM45/AM46



Proshield cladding
Model: 
Code: PPC10
Size: 176x26mm
Suitable clip: AM45/AM46

Trim

● Note: You can choose trims that suit your aesthetic preferences.



Proshield trim
Model: 
Code: PPF01
Size: 71x11mm



Proshield trim
Model: 
Code: PPF02
Size: 140x11mm



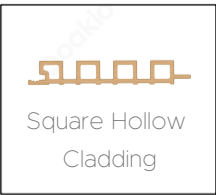
Proshield trim
Model: 
Code: PPF03
Size: 50x50mm



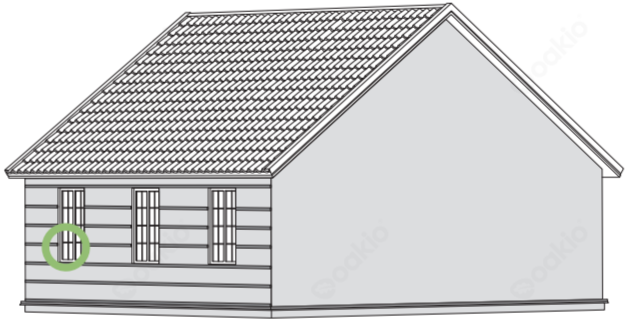
Proshield trim
Model: 
Code: PPF16
Size: 50x50mm

Oakio Cladding Installation Instructions
- Vertical Version

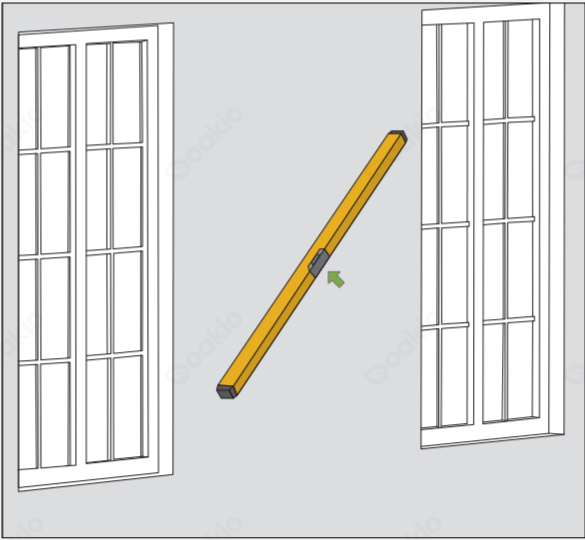
NOTE: PPC10 shown below.



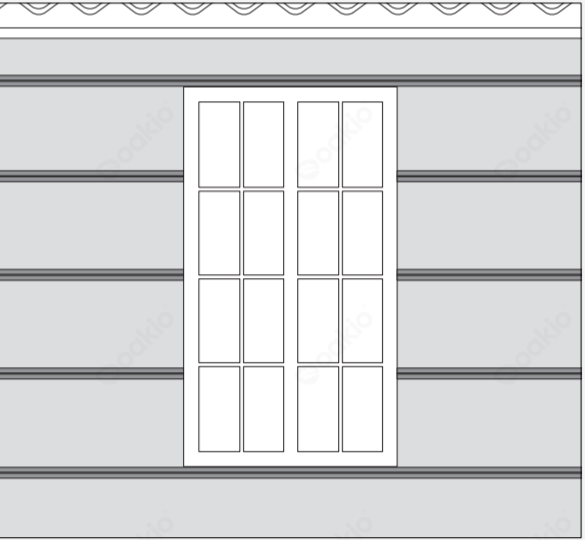
1 Install joists at 40cm on center. Fix the joists with expansion screws.



Note



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

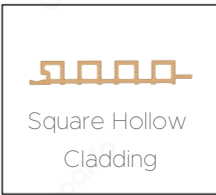


● Make sure that there is a joist next to the window side.

Note: Before fixing with screws, use an electric drill to pre-drill pilot holes at each precise screw location.

Oakio Cladding Installation Instructions
- Vertical Version

NOTE: PPC10 shown below.



2 Secure the AM45 to the first joist closest to the ground using screw.

AM45

3 Place the trim onto the AM45.

PPF16

4 Secure the trim to the joist using AM46.

AM46

Oakio Cladding Installation Instructions
- Vertical Version

NOTE: PPC10 shown below.



5 In addition to the clip fastening, each trim shall also be secured with one screw at the mid-height of each side, so that thermal expansion and contraction are distributed more evenly.

AM45

6 Return to the first joist closest to the ground and secure the AM45 with screw.

AM45

7 Install the cladding.

PPC10

Oakio Cladding Installation Instructions - Vertical Version

NOTE: PPC10 shown below.



8

Secure the cladding to the joist using AM46.

9

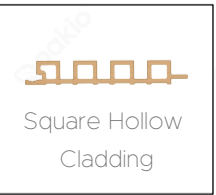
In addition to the clip fastening, each cladding board shall also be secured with one screw at the mid-height, so that thermal expansion and contraction are distributed more evenly.

10

Repeat the steps above to install the cladding on this wall until there is not enough space for a full cladding board.

Oakio Cladding Installation Instructions - Vertical Version

NOTE: PPC10 shown below.



11

Install the joists on the adjacent wall.

12

Install the trim.

13

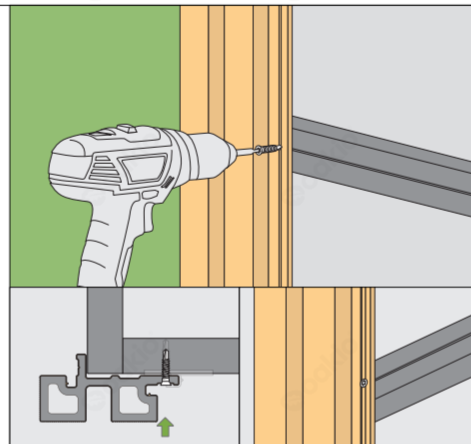
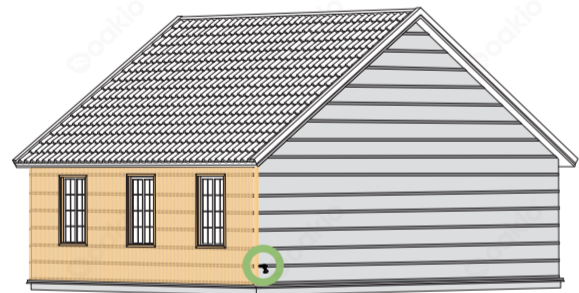
Secure the trim to the joist using AM46.

Oakio Cladding Installation Instructions - Vertical Version

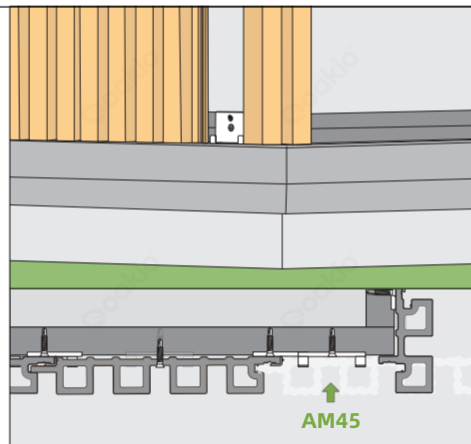
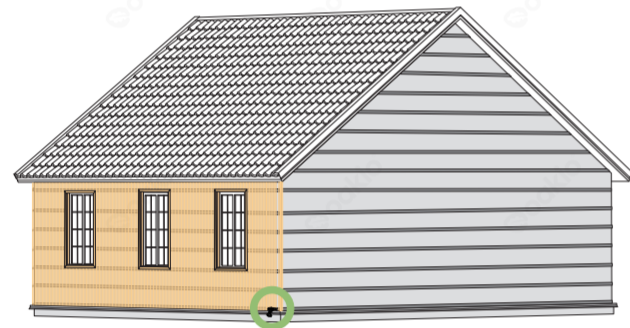
NOTE: PPC10 shown below.



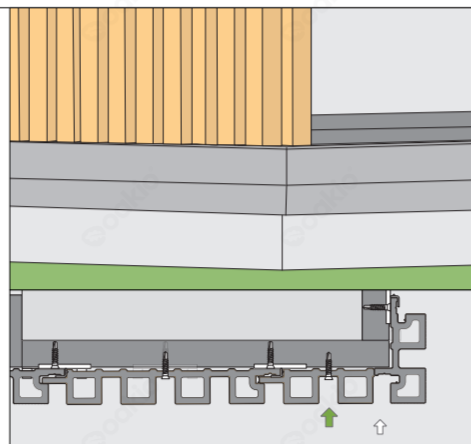
14 In addition to the clip fastening, each trim shall also be secured with one screw at the mid-height of each side, so that thermal expansion and contraction are distributed more evenly.



15 Return to the remaining uncovered area and install AM45 at a suitable location.



16 Measure and cut the cladding to the appropriate size. Secure the board with screws to complete the uncovered area.

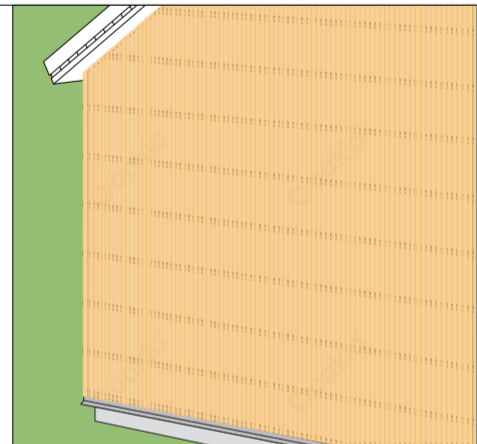
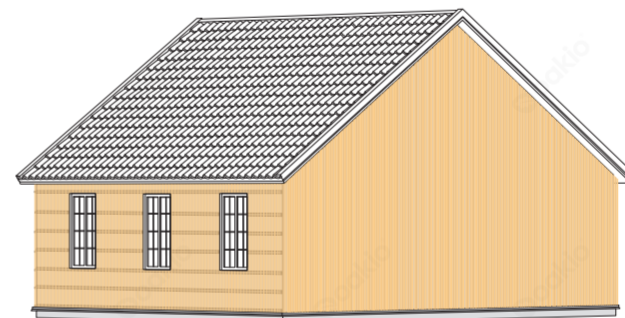


Oakio Cladding Installation Instructions - Vertical Version

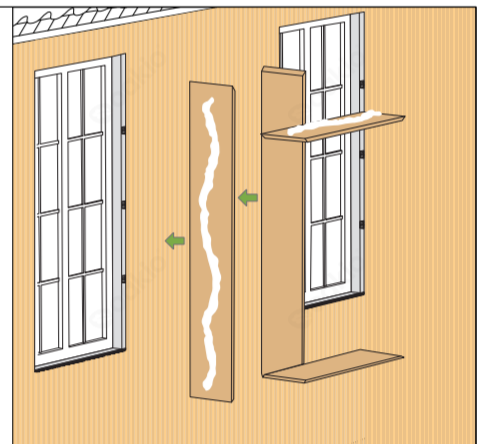
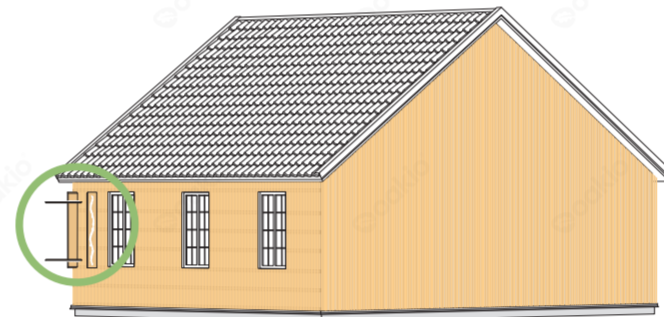
NOTE: PPC10 shown below.



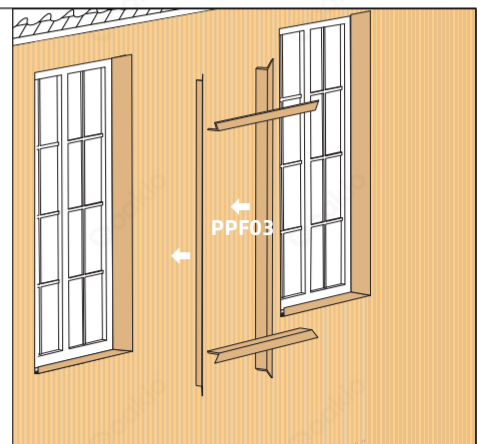
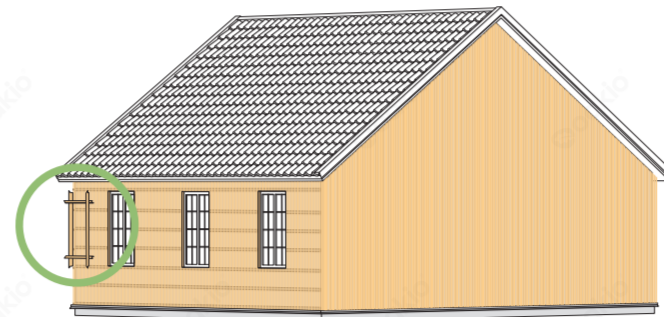
17 Repeat Steps 6 – 10 to complete the cladding installation on the adjacent wall.



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

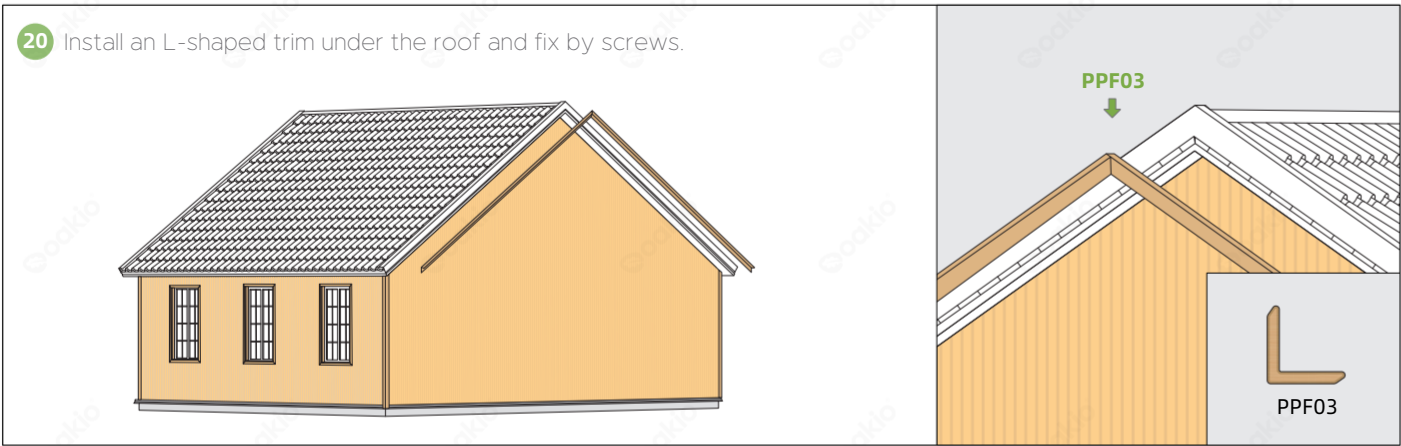


19 Install an L-shaped trim to cover the gap between window frame and cladding. Fix by stainless steel screws.

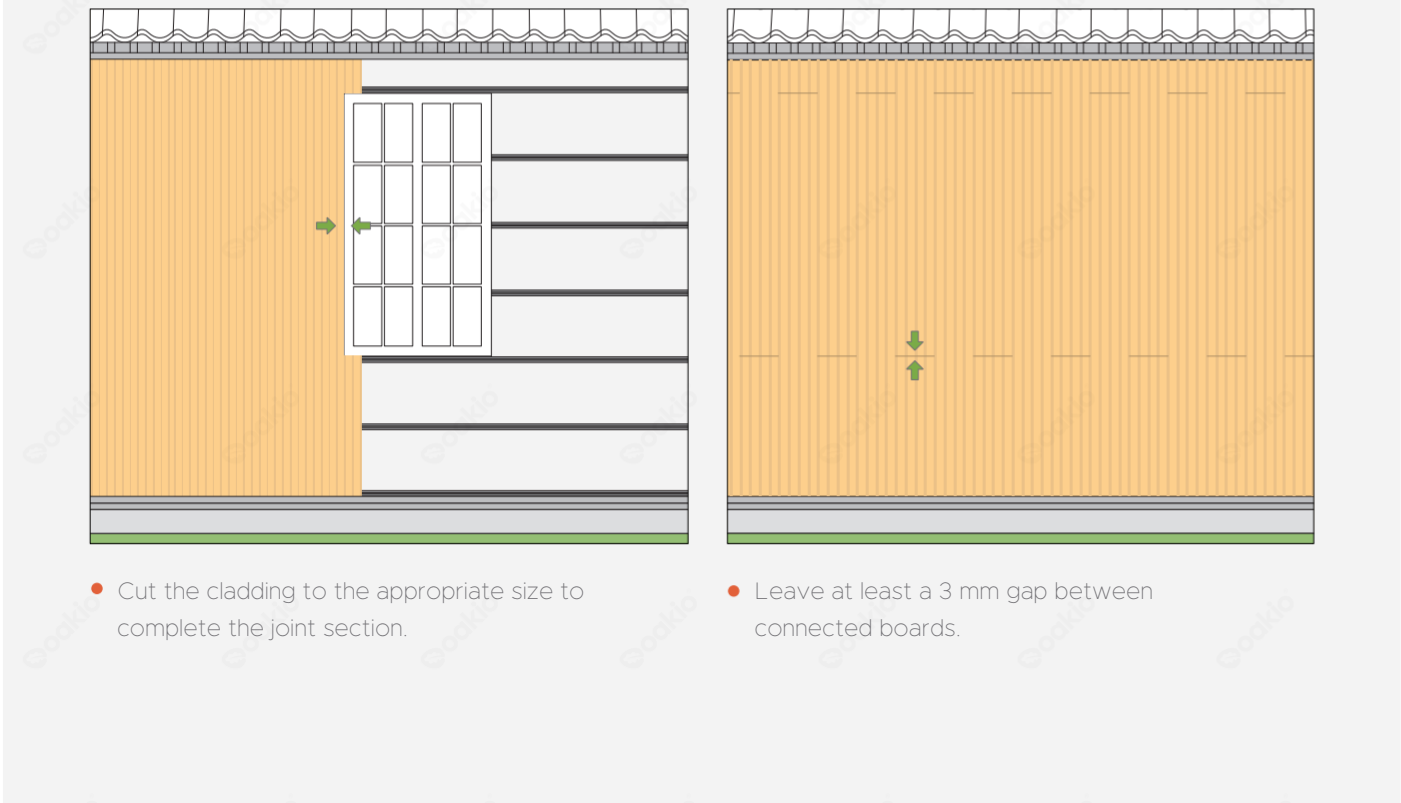


Oakio Cladding Installation Instructions
- Vertical Version

NOTE: PPC10 shown below.



Note



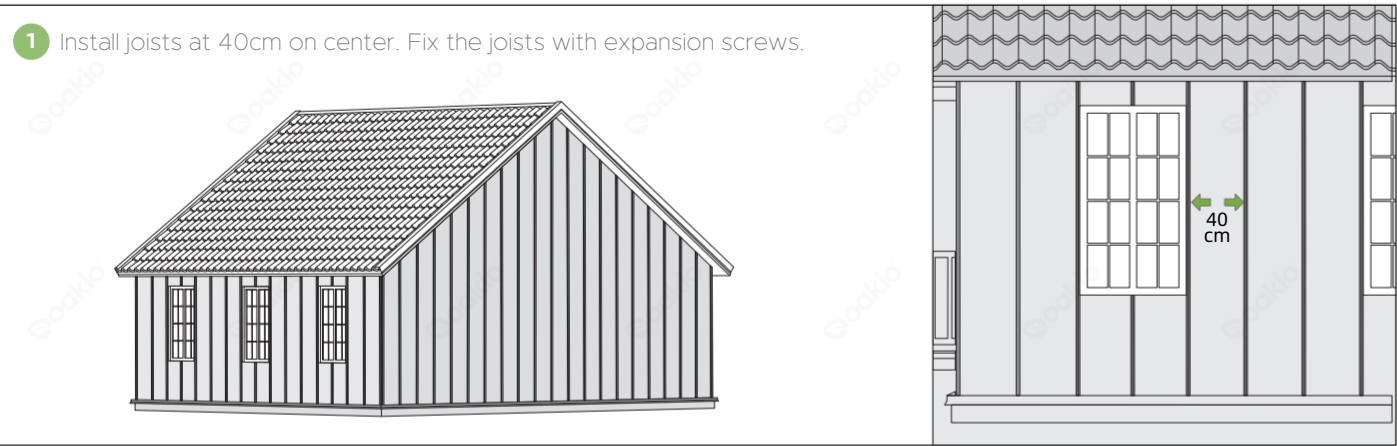
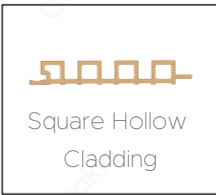
Oakio Cladding Installation Instructions
- Vertical Version

NOTE: PPC10 shown below.

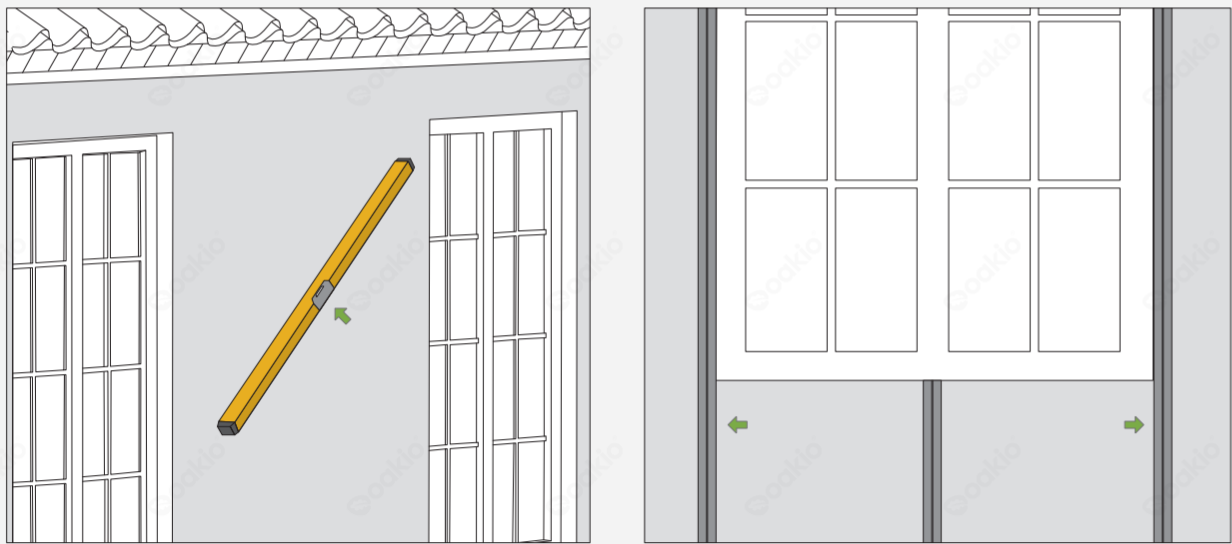


Oakio Cladding Installation Instructions - Horizontal Version

NOTE: PPC10 shown below.



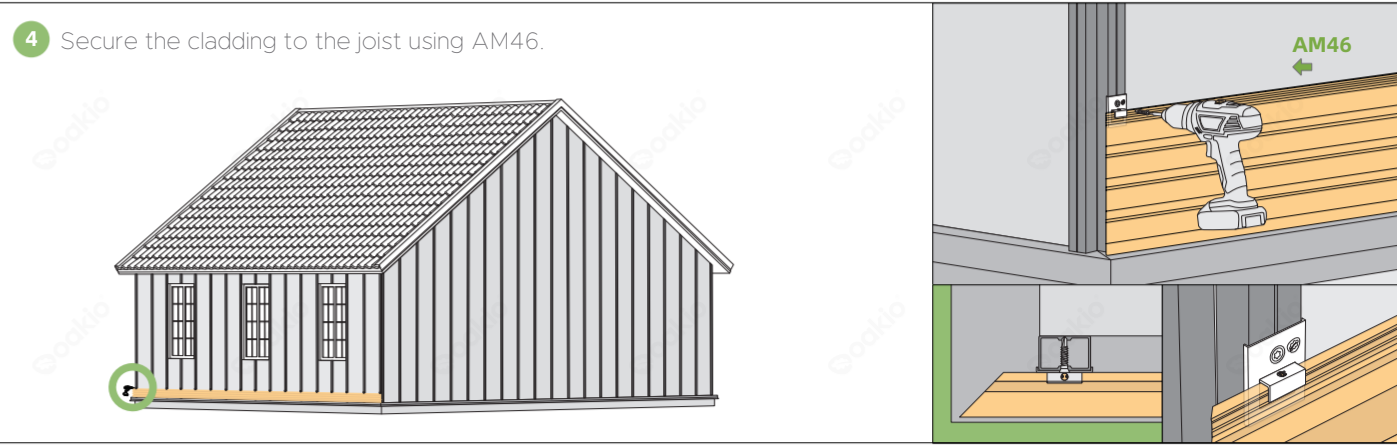
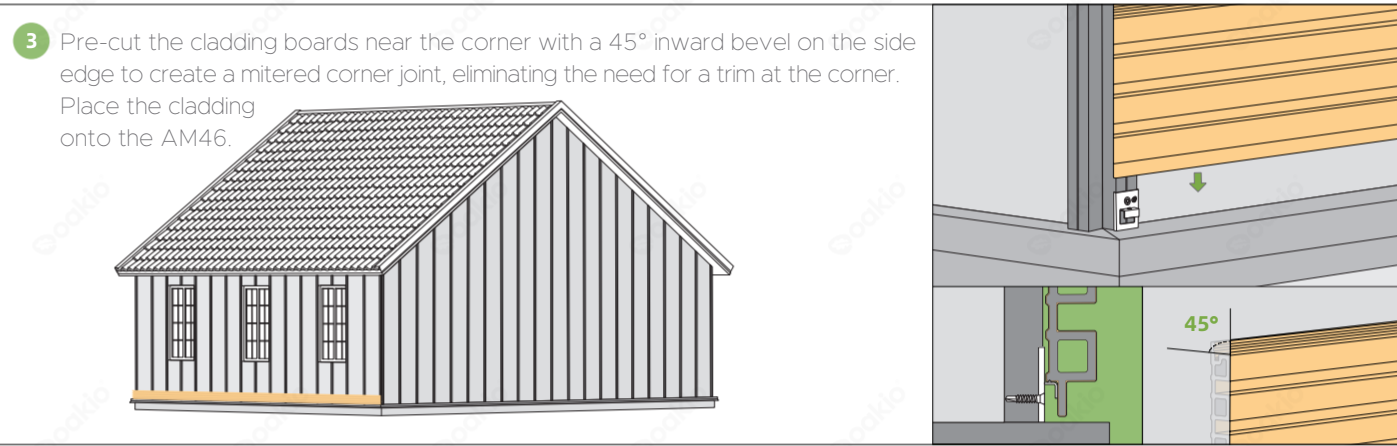
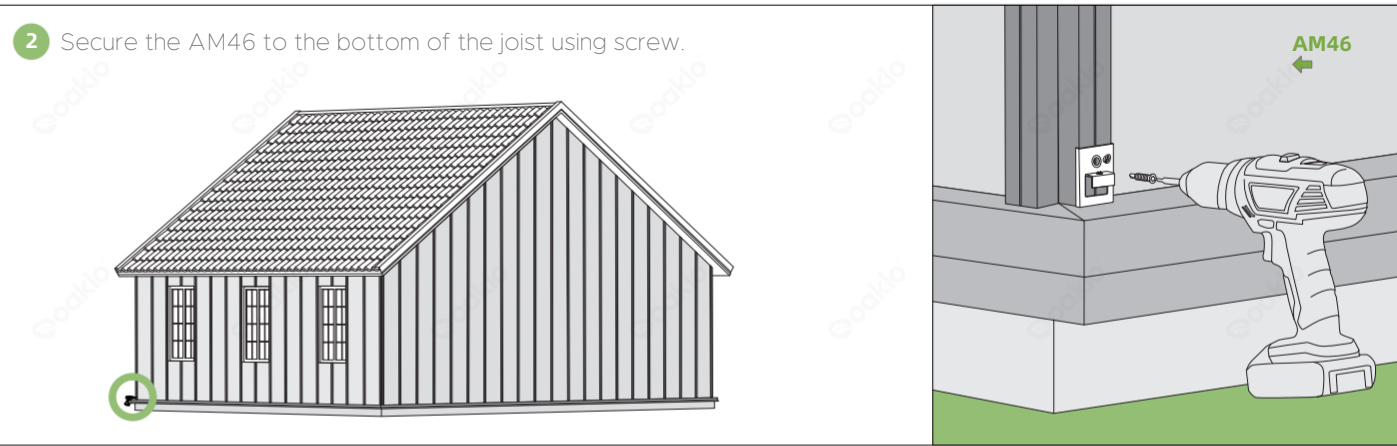
Note



- Make sure the wall is flat.
(You can also use a laser level.)
- Make sure that there is a joist next to the window side.

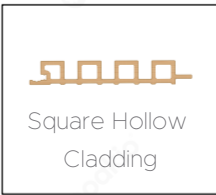
Oakio Cladding Installation Instructions - Horizontal Version

NOTE: PPC10 shown below.



Oakio Cladding Installation Instructions - Horizontal Version

NOTE: PPC10 shown below.



5

In addition to the clip fastening, each cladding board shall also be secured with one screw at the center, so that thermal expansion and contraction are distributed more evenly.

6

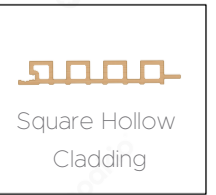
Continue installing the cladding.

7

Repeat the steps above to complete the cladding installation on the entire wall.

Oakio Cladding Installation Instructions - Horizontal Version

NOTE: PPC10 shown below.



8

At the corner, cut the cladding board with a 45° inward bevel to create a mitered corner joint, eliminating the need for a trim.

9

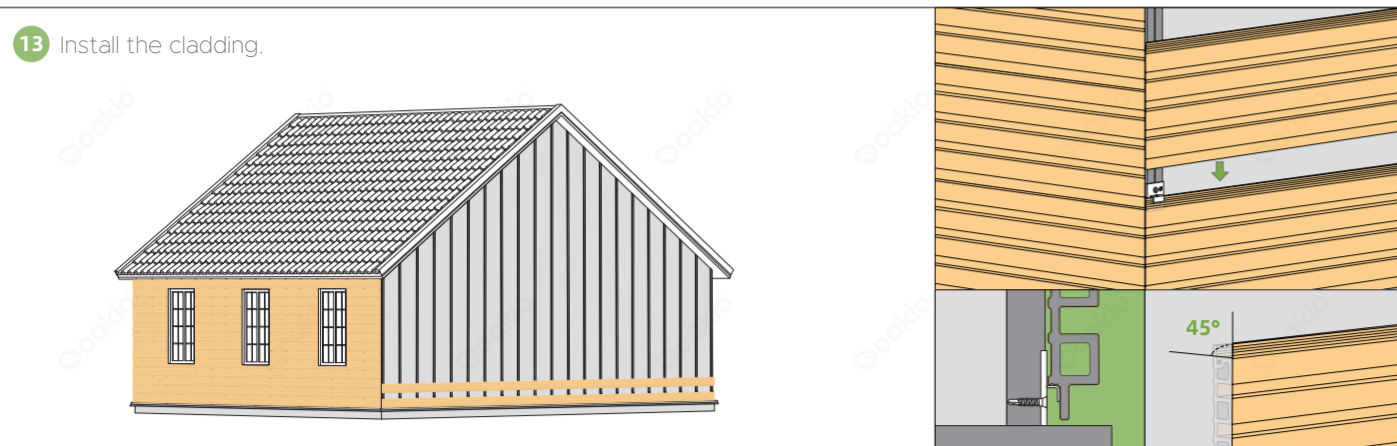
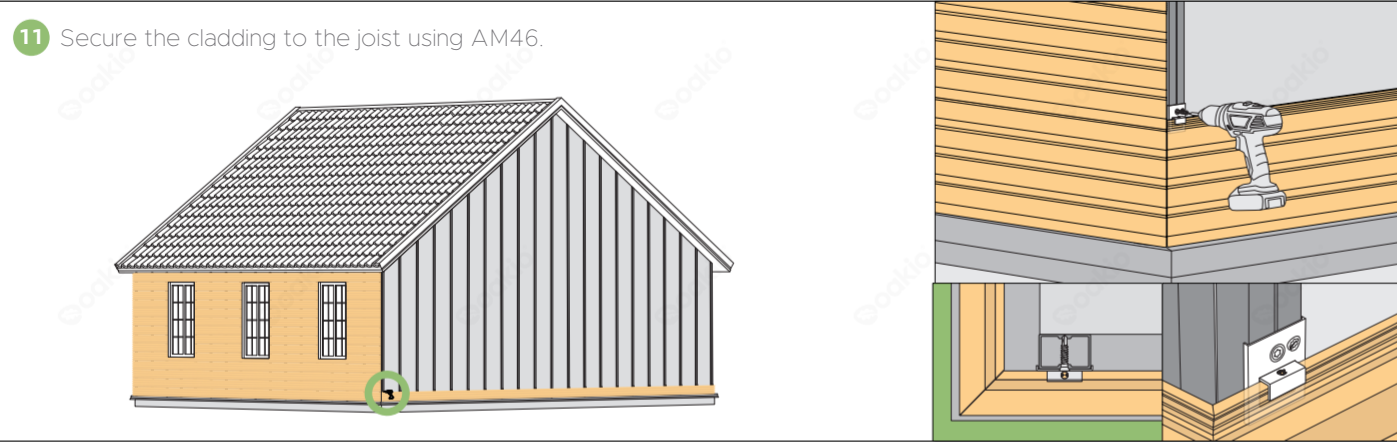
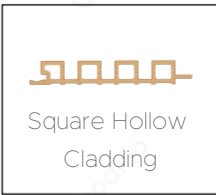
On the adjacent wall, secure the AM46 to the bottom of the joist using screw.

10

Install the cladding.

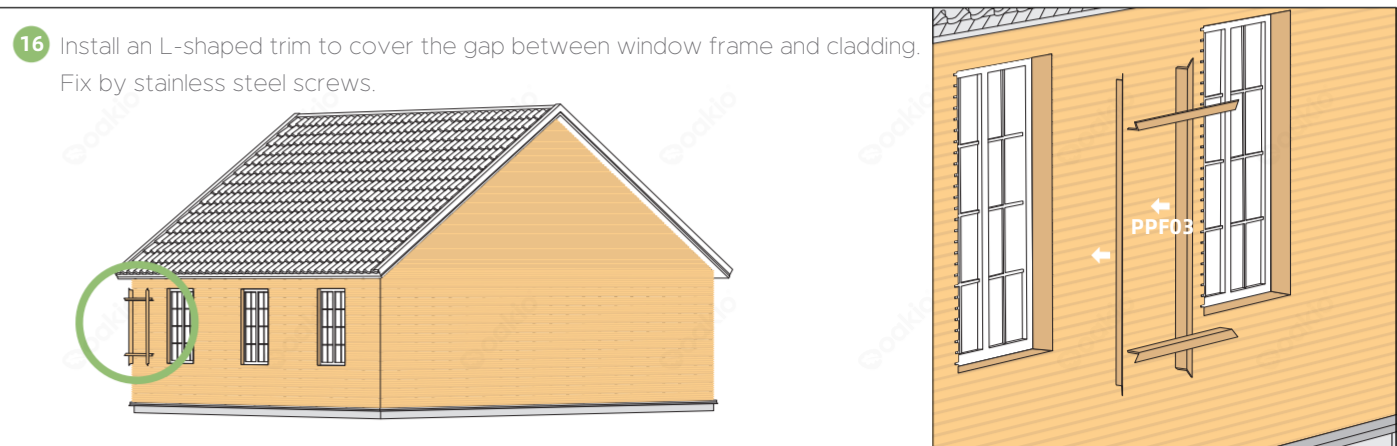
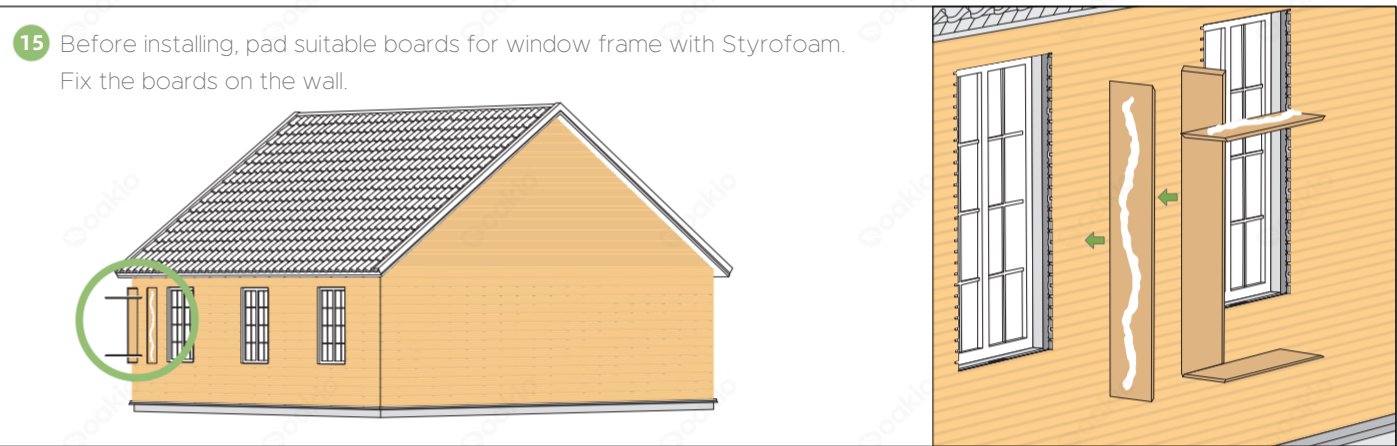
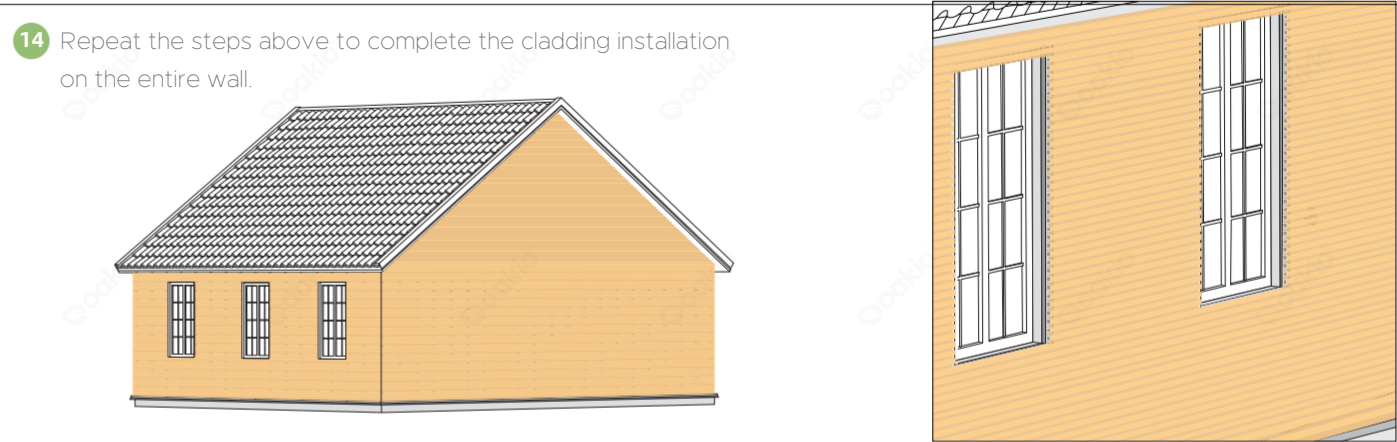
Oakio Cladding Installation Instructions - Horizontal Version

NOTE: PPC10 shown below.



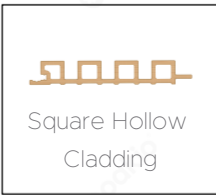
Oakio Cladding Installation Instructions - Horizontal Version

NOTE: PPC10 shown below.



Oakio Cladding Installation Instructions - Horizontal Version

NOTE: PPC10 shown below.



17 Install an L-shaped trim or two solid trims if there is an external corner. Fix by stainless steel screws.

18 Install an L-shaped trim under the roof and fix by screws.

Oakio Cladding Installation Instructions - Horizontal Version

NOTE: PPC10 shown below.



Note