

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

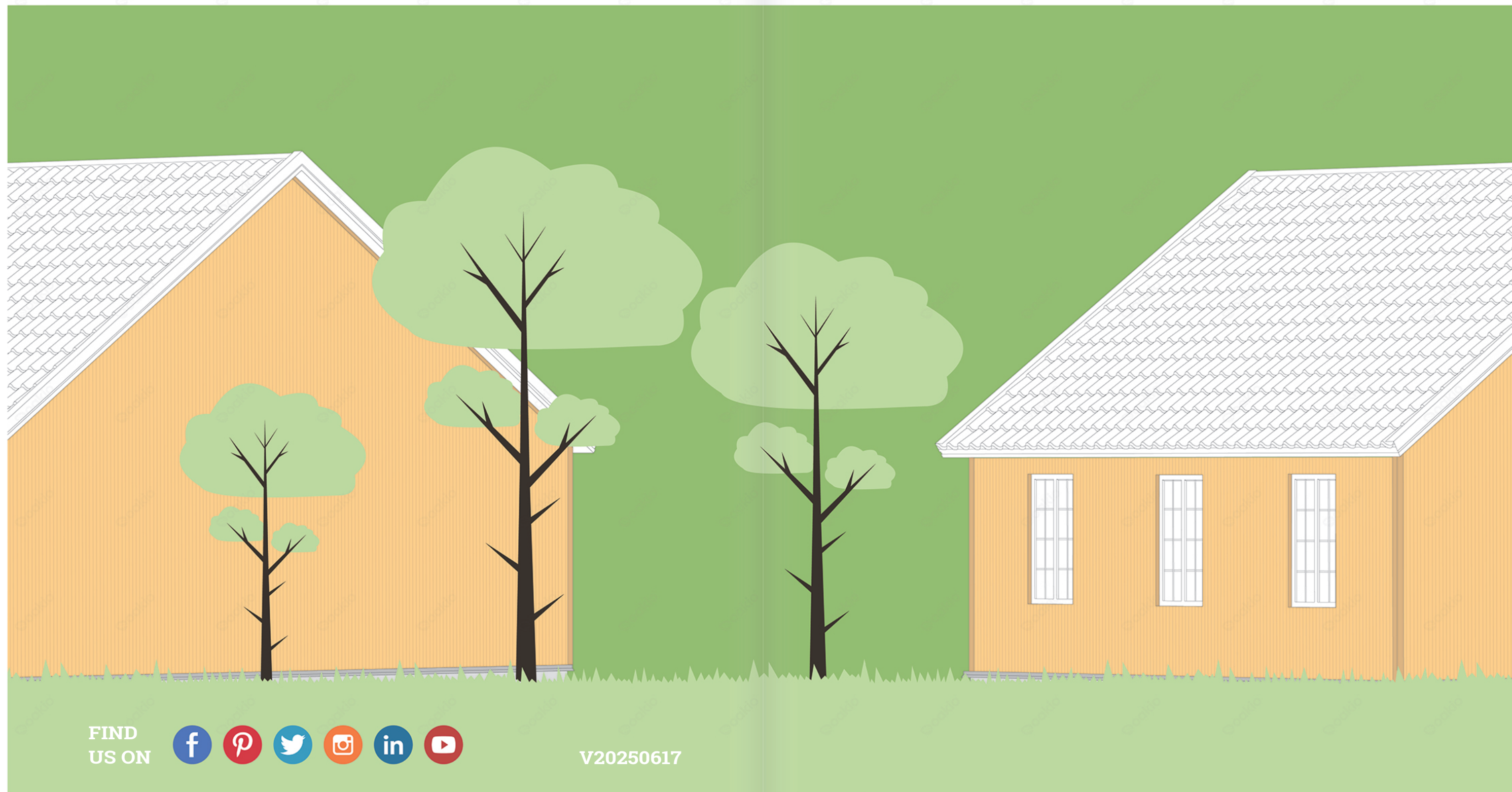
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V20250617

WPC Cladding

Installation Guide



FIND
US ON



V20250617

Read All Sections Before You Install

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

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.

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Tools

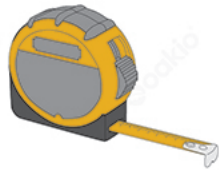
The tools you need for this installation are illustrated below:



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. Use an electric drill to pre-drill holes in each WPC board at the exact locations where screws will be inserted.
4. 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

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Before You Install

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Profiles



Proshield cladding
Model: 
Code: PPC03
Size: 219x26mm
Suitable clip: AM45/AM47



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



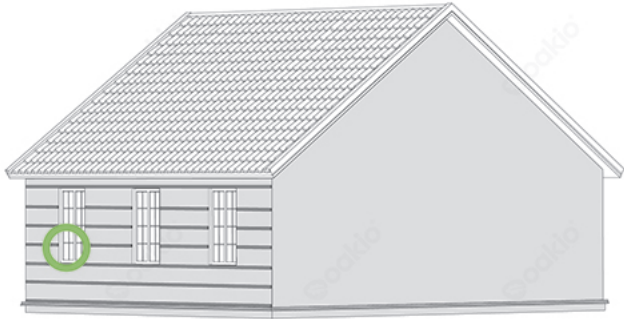
Proshield trim
Model: 
Code: PPF16
Size: 50x50mm

Oakio Cladding Installation Instructions
- Vertical Version

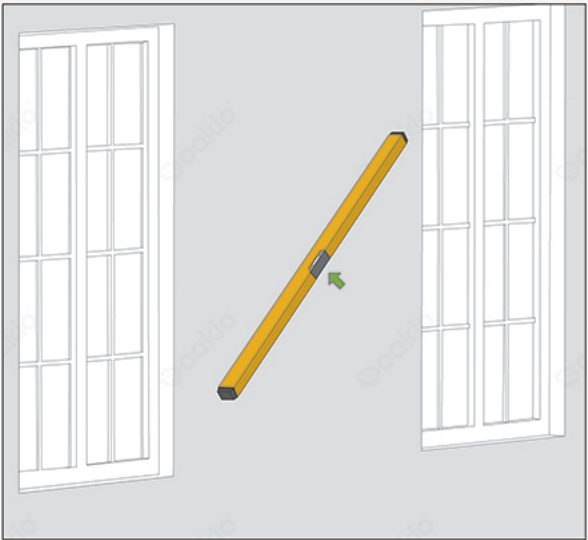
NOTE: PPC10 shown below.



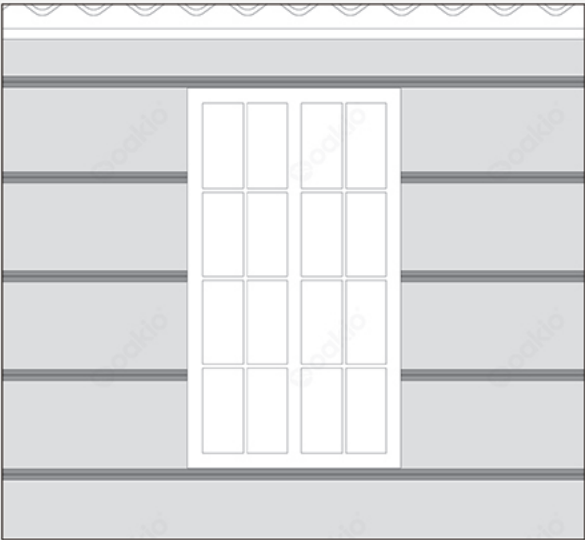
1 Install joists at 40cm on center. Fix the joists with expansion screws.



Note



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

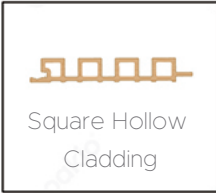


● Make sure that there is a joist next to the window side.

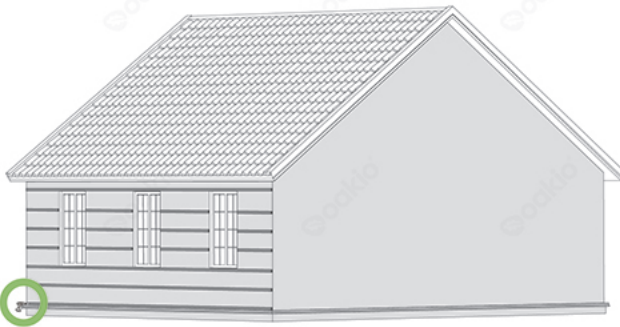
Note: Before fixing with screws, use an electric drill to pre-drill pilot holes at each precise screw location.

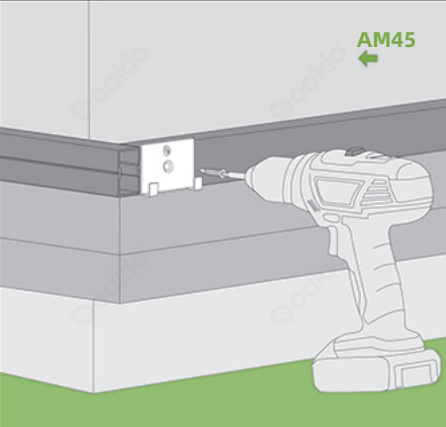
Oakio Cladding Installation Instructions
- Vertical Version

NOTE: PPC10 shown below.



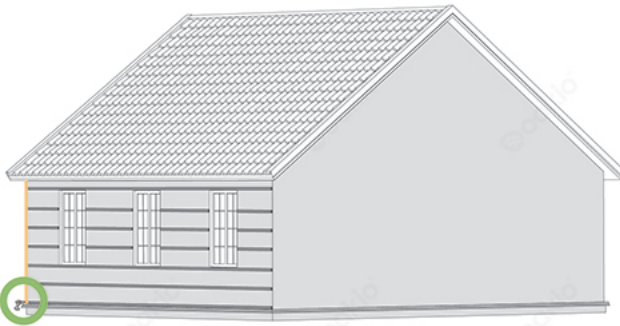
2 Fix AM45 clip on the joist and fix by screws.

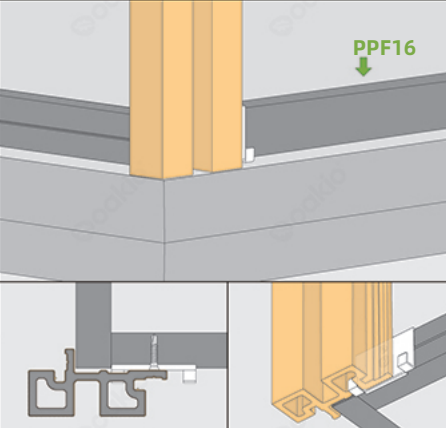




AM45

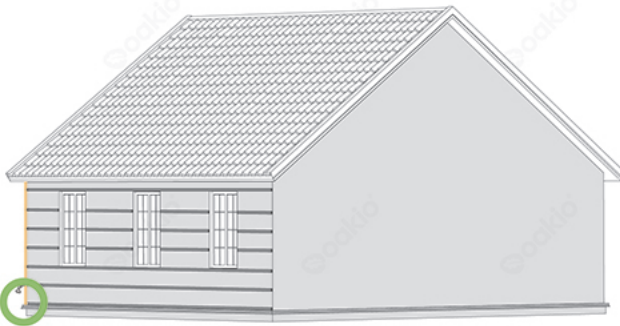
3 Hook trim into the clip's first slot and engage its second slot with the cladding.

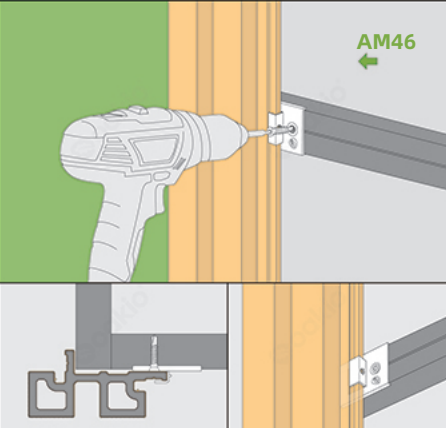




PPF16

4 Attach AM46 clip and fix by screws.

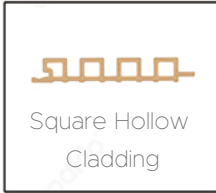




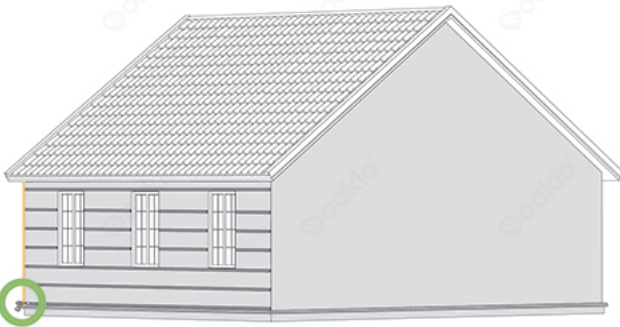
AM46

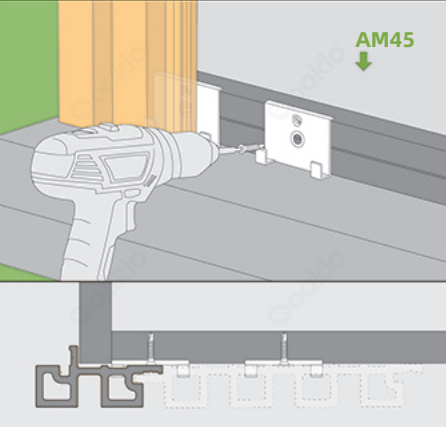
Oakio Cladding Installation Instructions
- Vertical Version

NOTE: PPC10 shown below.



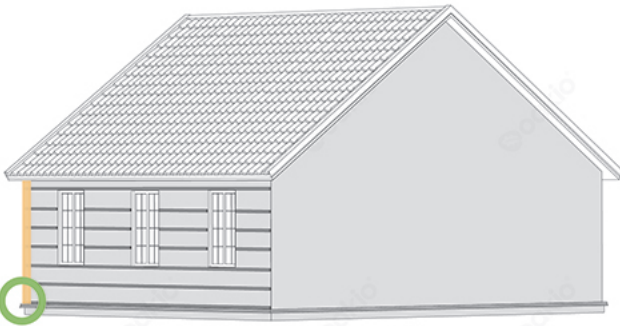
5 Attach AM45 clip on the joist and fix by screws.

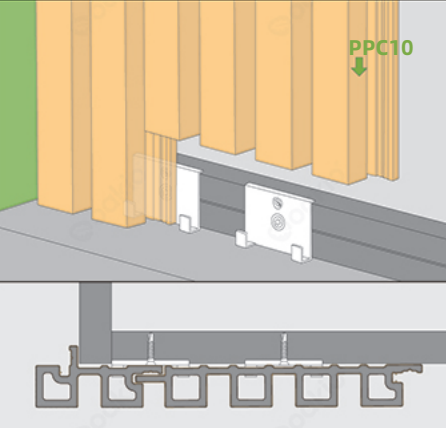




AM45

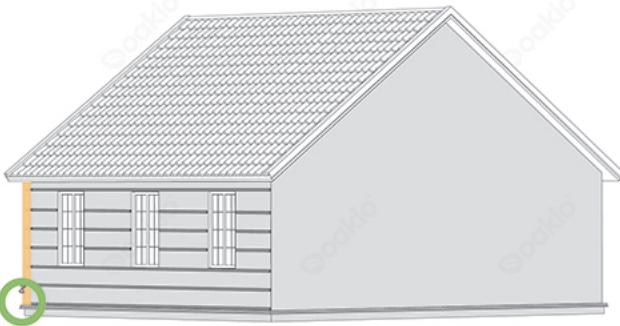
6 Hook the cladding tightly with the clip.

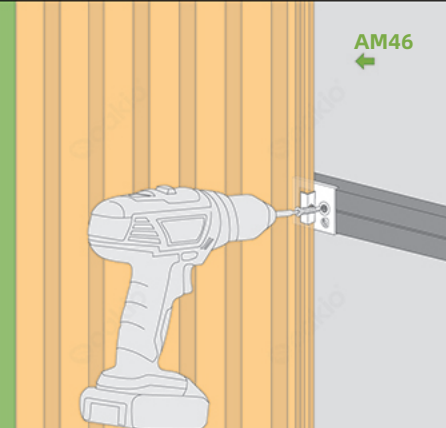




PPC10

7 Attach AM46 clip and fix by screws.

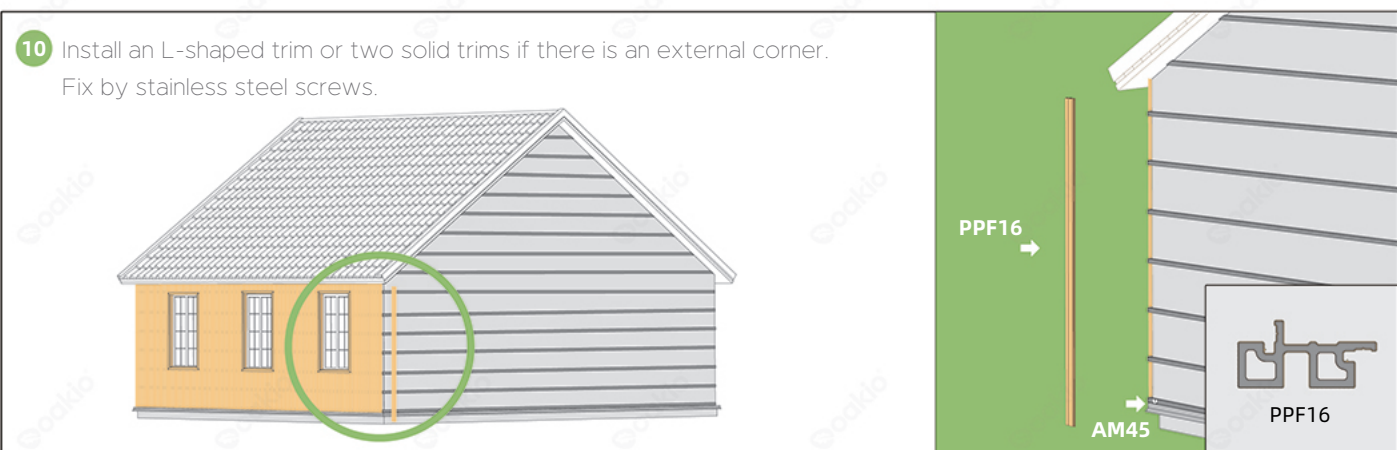
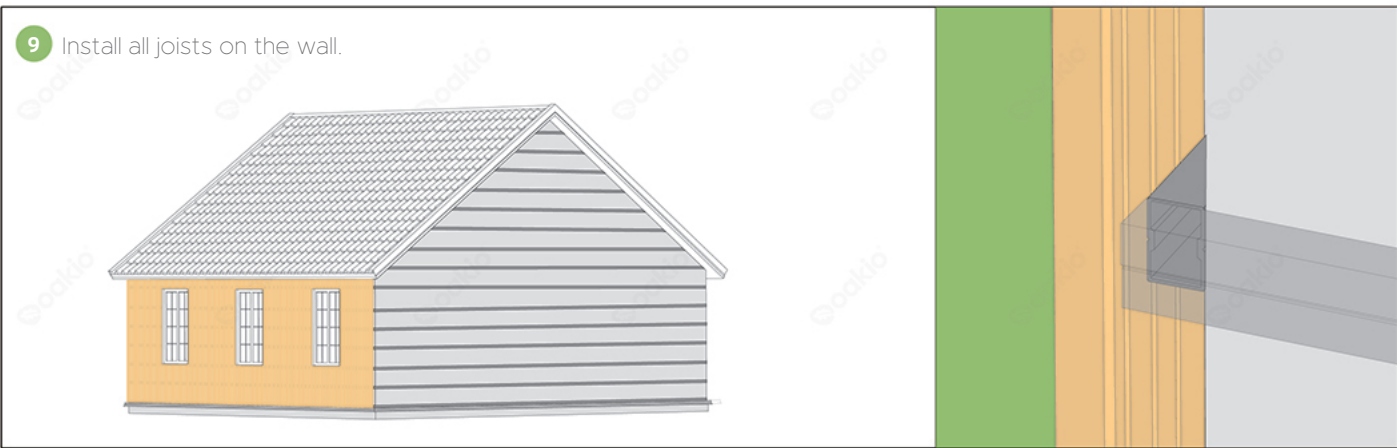
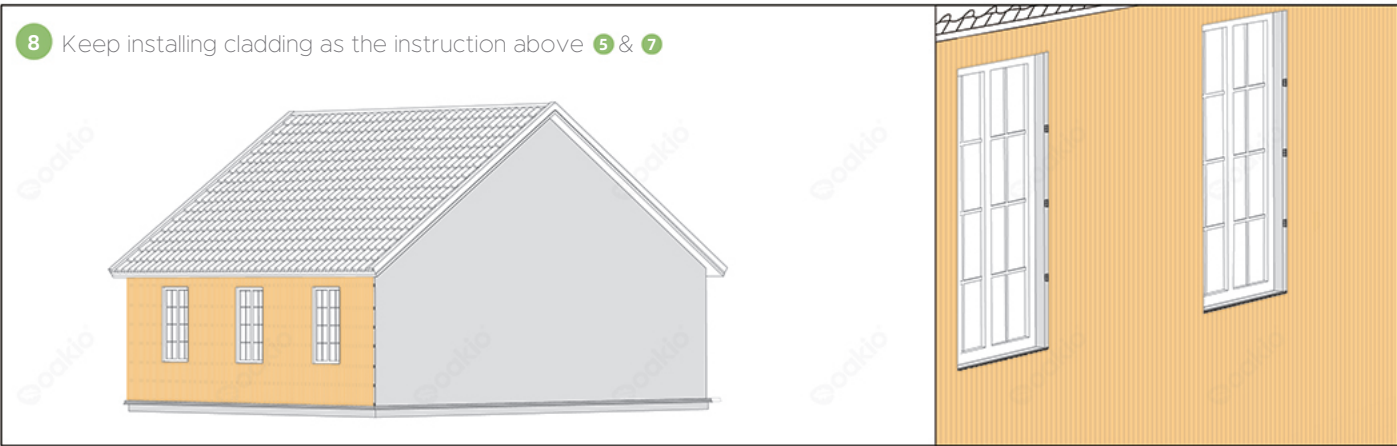




AM46

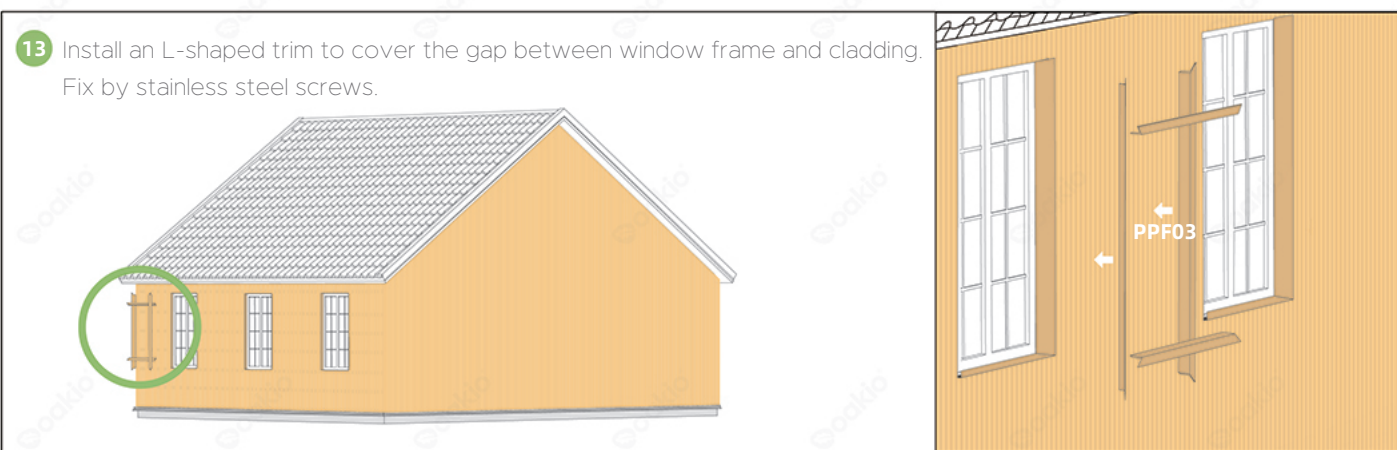
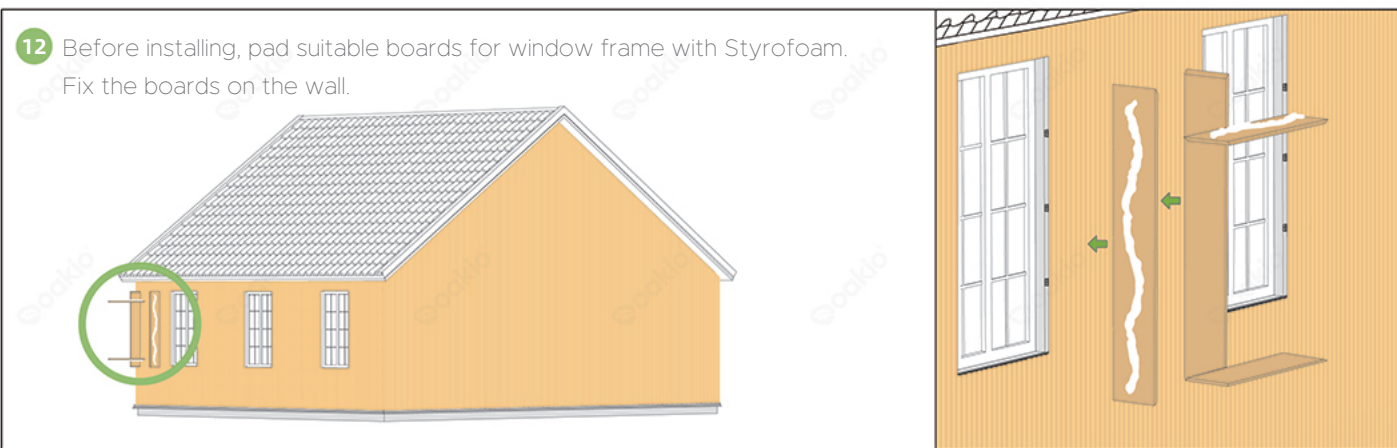
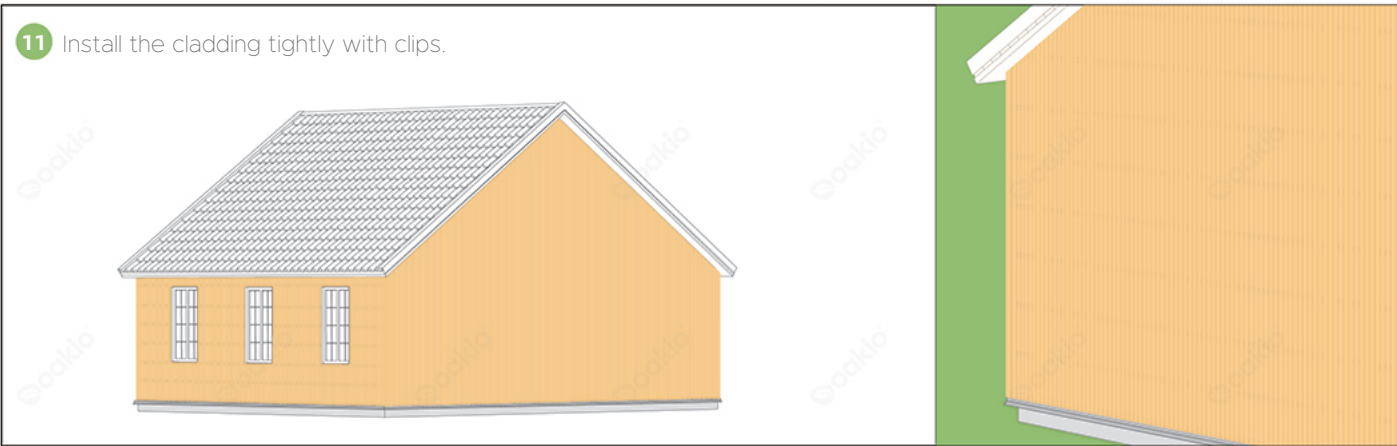
Oakio Cladding Installation Instructions - Vertical Version

NOTE: PPC10 shown below.



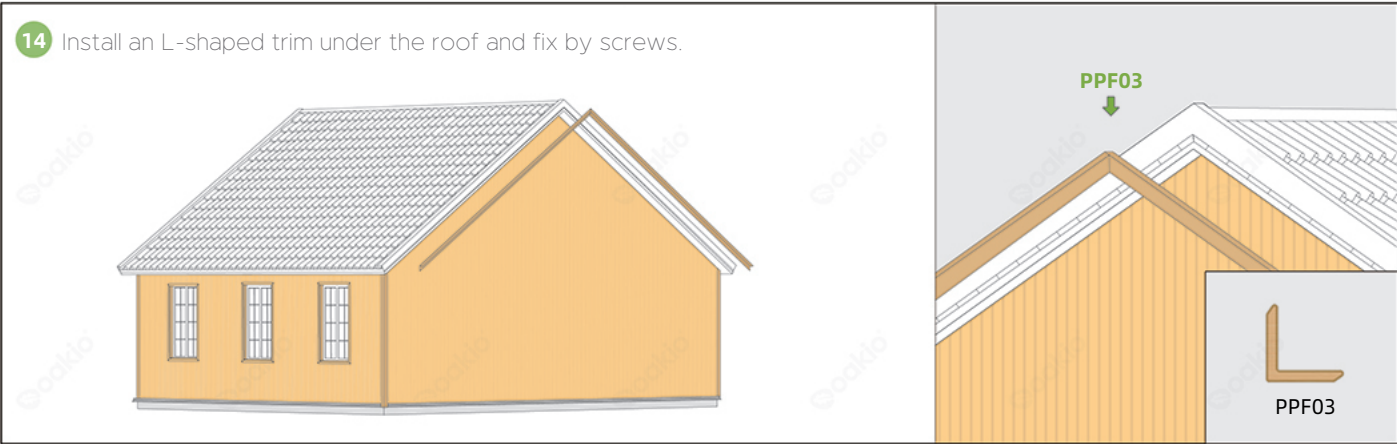
Oakio Cladding Installation Instructions - Vertical Version

NOTE: PPC10 shown below.



Oakio Cladding Installation Instructions - Vertical Version

NOTE: PPC10 shown below.



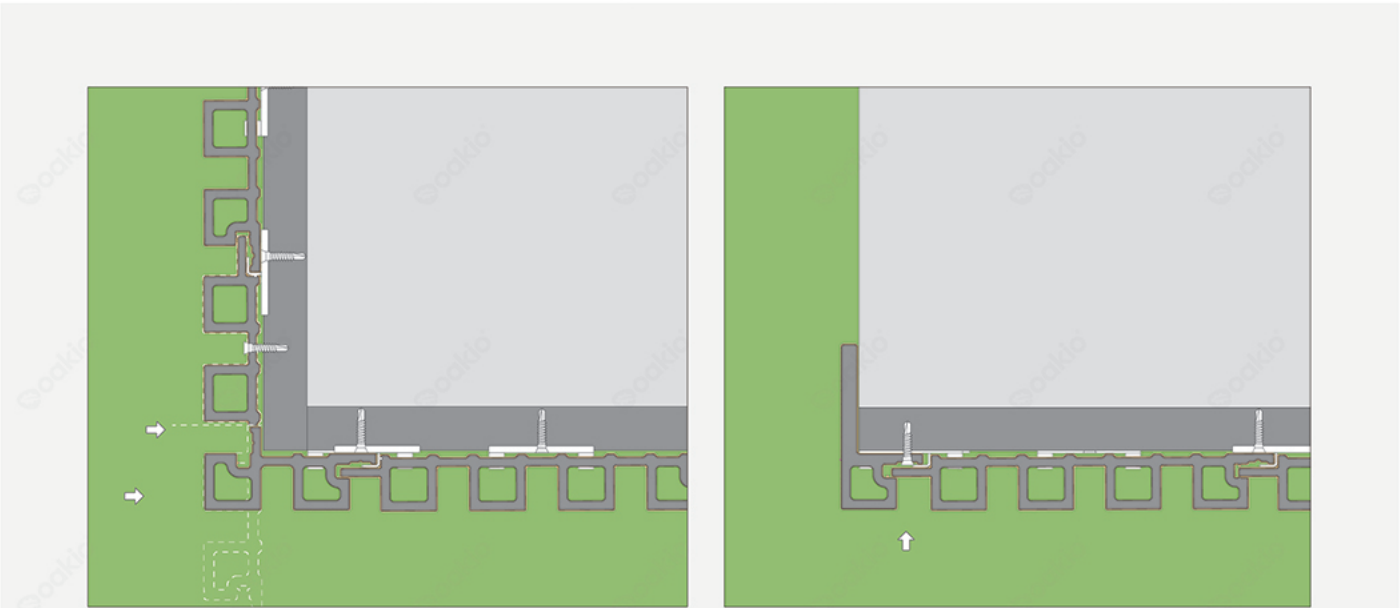
Note



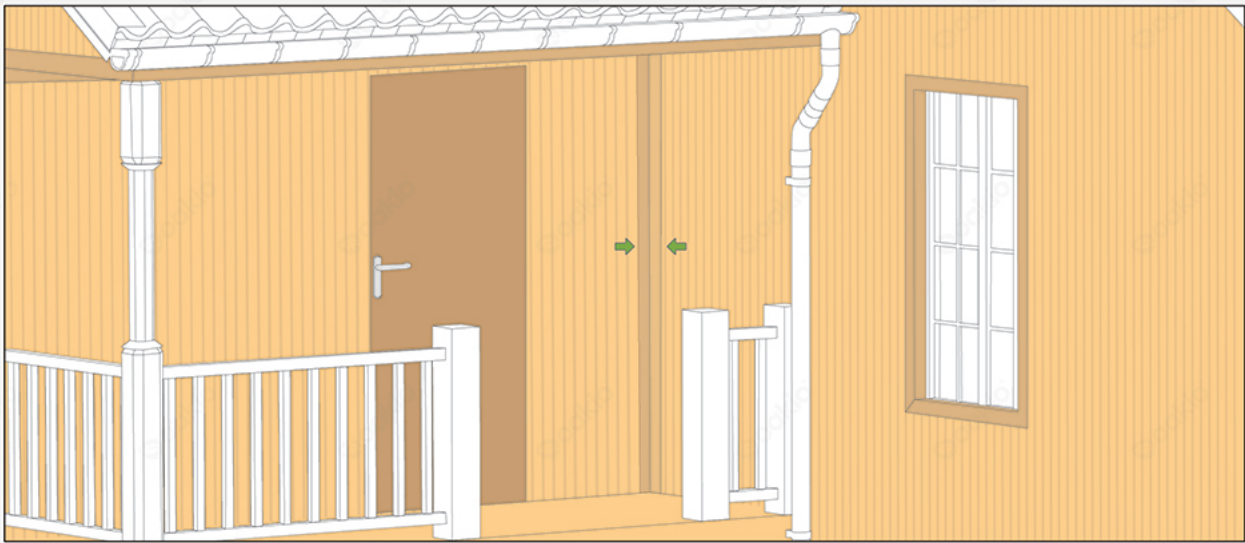
- Cut the cladding to the appropriate size to complete the joint section.
- Leave at least a 3 mm gap between connected boards.

Oakio Cladding Installation Instructions - Vertical Version

NOTE: PPC10 shown below.



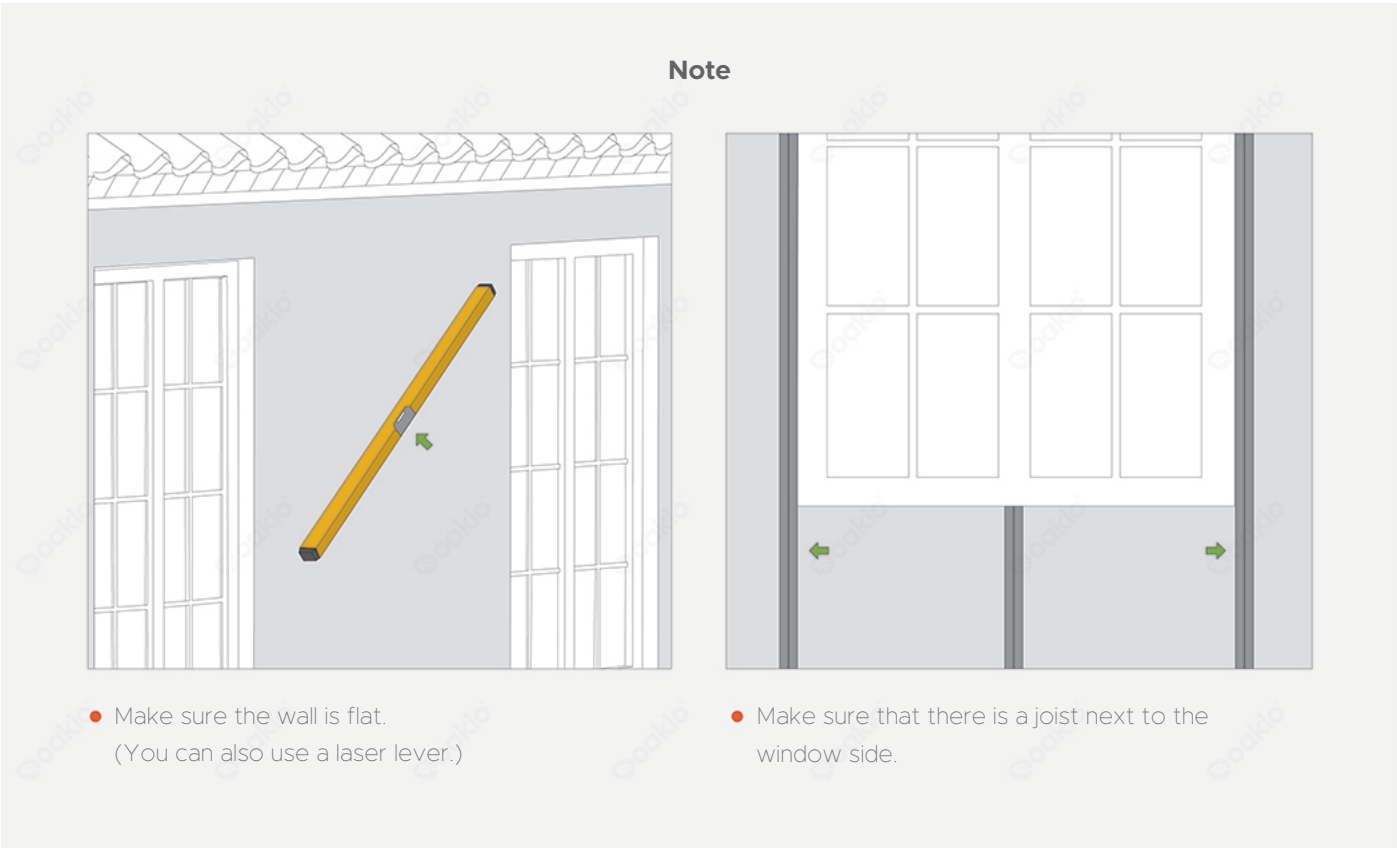
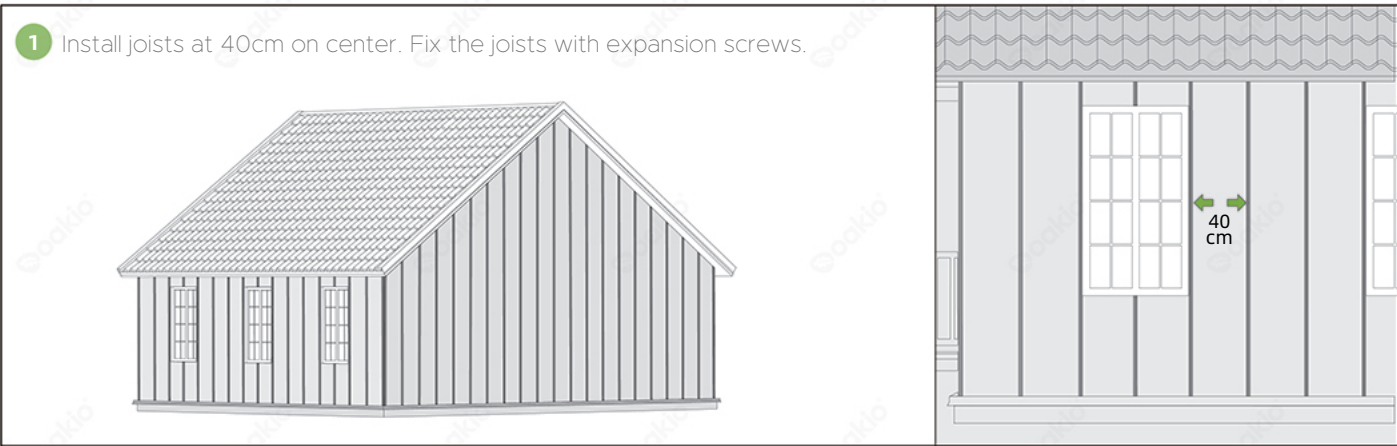
- Use AM46 clips for single-side corner trim.
- Fix the trim to the joists with screws.



- Inner corners require trims. You can use either an L-shaped trim or two solid trims.

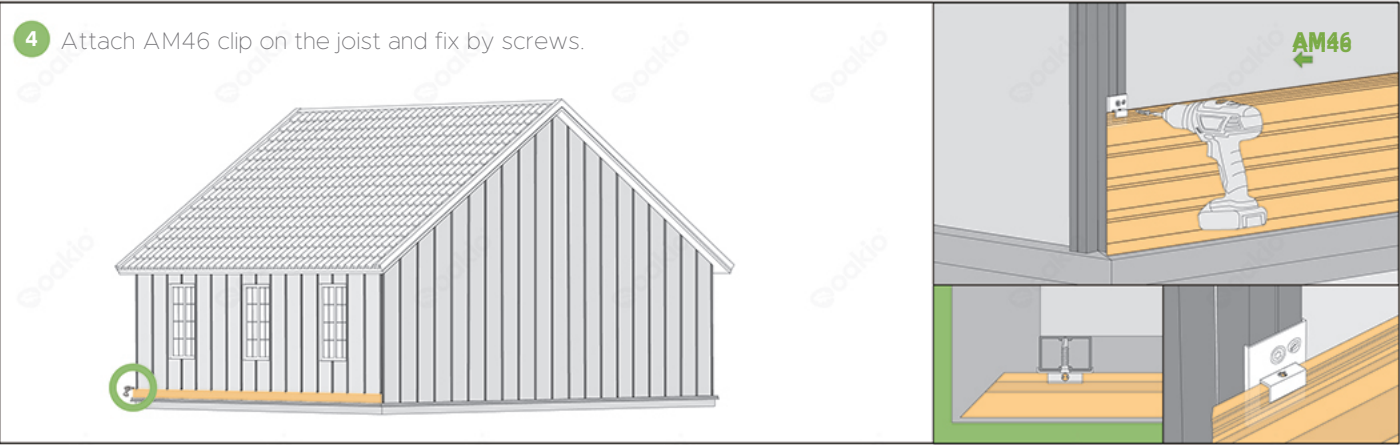
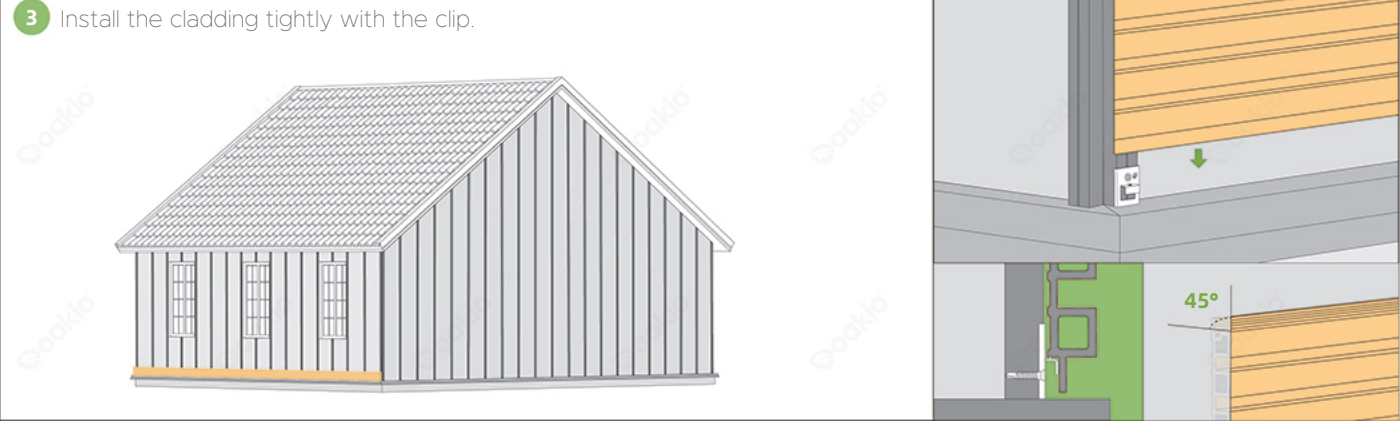
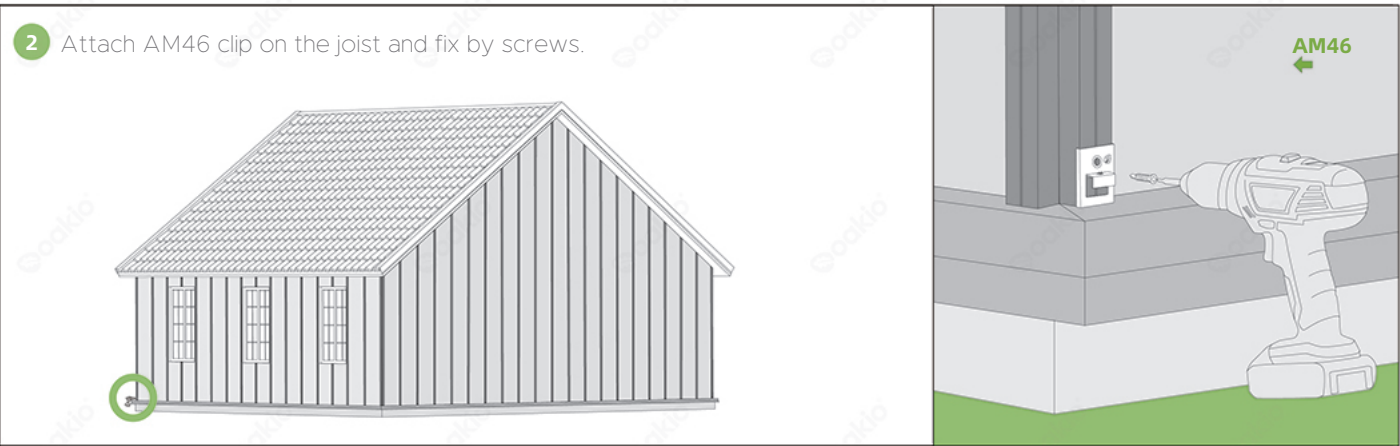
Oakio Cladding Installation Instructions - Horizontal Version

NOTE: PPC10 shown below.



Oakio Cladding Installation Instructions - Horizontal Version

NOTE: PPC10 shown below.



Oakio Cladding Installation Instructions - Horizontal Version

NOTE: PPC10 shown below.



5 Install the cladding tightly with the clip.

45°

6 Attach AM46 clip on the joist and fix by screws.

45°

7 Install the cladding tightly with the clip.

45°

Oakio Cladding Installation Instructions - Horizontal Version

NOTE: PPC10 shown below.



8 Keep installing the cladding as the instruction above.

45°

Note

• Cut the cladding to the appropriate size to complete the joint section.

• Leave at least a 3 mm gap between connected boards.

Oakio Cladding Installation Instructions - Horizontal Version

NOTE: PPC10 shown below.



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

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

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

Oakio Cladding Installation Instructions - Horizontal Version

NOTE: PPC10 shown below.



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

Note

• Trims are not required for inner corners. You can simply install the panel crosswise. Ensure there are two joists underneath.