



Installation guide

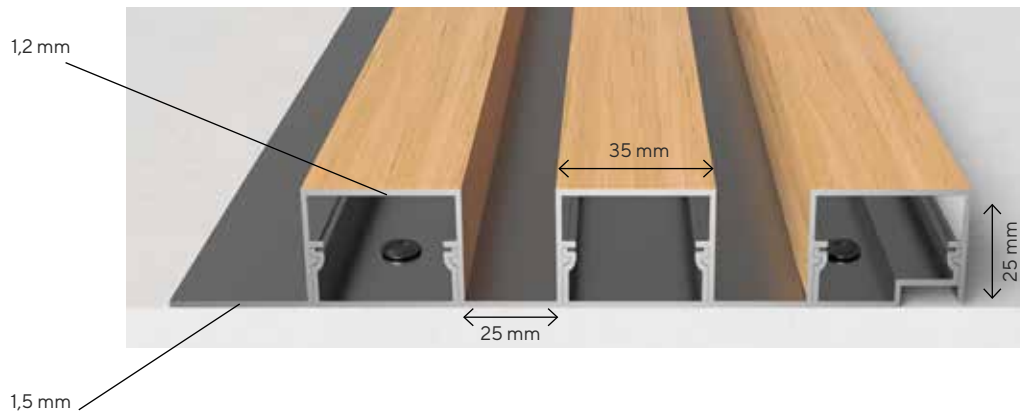
ALU PANELS

Alu Panels

FibroTech Alu Panels are cladding panels developed for outdoor applications such as façades, fencing, and decorative wall surfaces. The panels are manufactured from aluminium with a durable powder-coated finish.

The aluminium construction contributes to strength and dimensional stability, while the simple design makes the panels a natural choice for modern construction projects.

FibroTech Alu Panels consist of an aluminium backing plate with mounted aluminium slats. The aluminium slats can be removed during installation and reattached afterwards, concealing the screws behind the slats.



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Product Overview

Panel specifications

Panel dimensions: 25 × 193 × 2400 mm (0.98 × 7.60 × 94.49 in)

Coverage Area: 0.46 m² (4.95 sq ft) per panel

Aluminium thickness: 1,2 - 1,5 mm

Screws per panel: 8

Alu panels are available in the following colors:



FibroTech Alu Panel
Light Oak



FibroTech Alu Panel
Hardwood



FibroTech Alu Panel
Copper



FibroTech Alu Panel
Black

Accessories

A complete range of 1 mm thick aluminium profiles powder coated in a matte black finish to match the FibroTech Alu and Alu ThermoWood panel series.

All accessory profiles are supplied in standard lengths of 2400 mm and can be cut to length using appropriate tools for aluminium/metal.

Mounting

Installation requires approved mounting screws, rear battens/furring strips, and a suitable weather-resistant barrier (WRB) where required by local building standards.



FibroTech
Alu Panel Screw
4.8 x 35 mm TX20



FibroTech
Start/End Profile



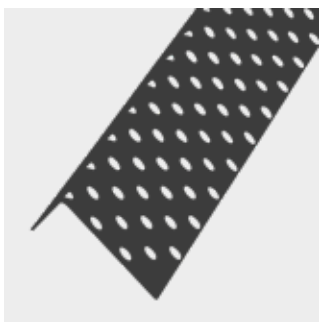
FibroTech
Outside Corner Profile



FibroTech
Inside Corner Profile



FibroTech
Bottom/Divider Profile



FibroTech
Insect Mesh Profile



FibroTech
Cover Profile 200 mm



FibroTech
Cover Profile 250 mm



FibroTech
Door/Window Sill Profile



FibroTech
Coverage Profile



FibroTech
Top/Side Profile

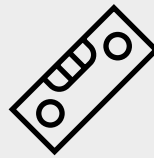
Recommended Tools & Materials



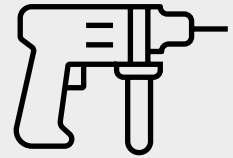
Folding rule



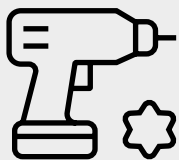
Pencil or marker



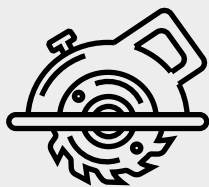
Spirit level



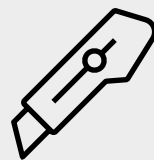
Power drill



T20 Torx Bit Driver



Circular saw



Utility knife



Metal snips

Recommended Safety Information



**Always wear
protective gloves
and safety glasses**



**Use correct lifting
techniques when
handling panels**



**Follow all local
building regulations**

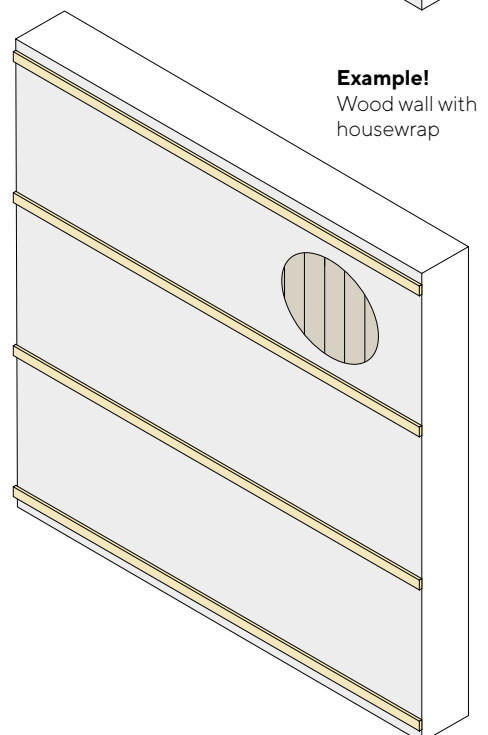
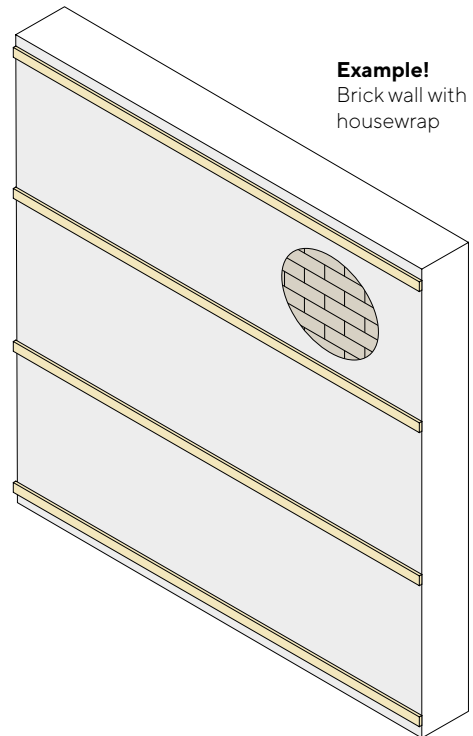
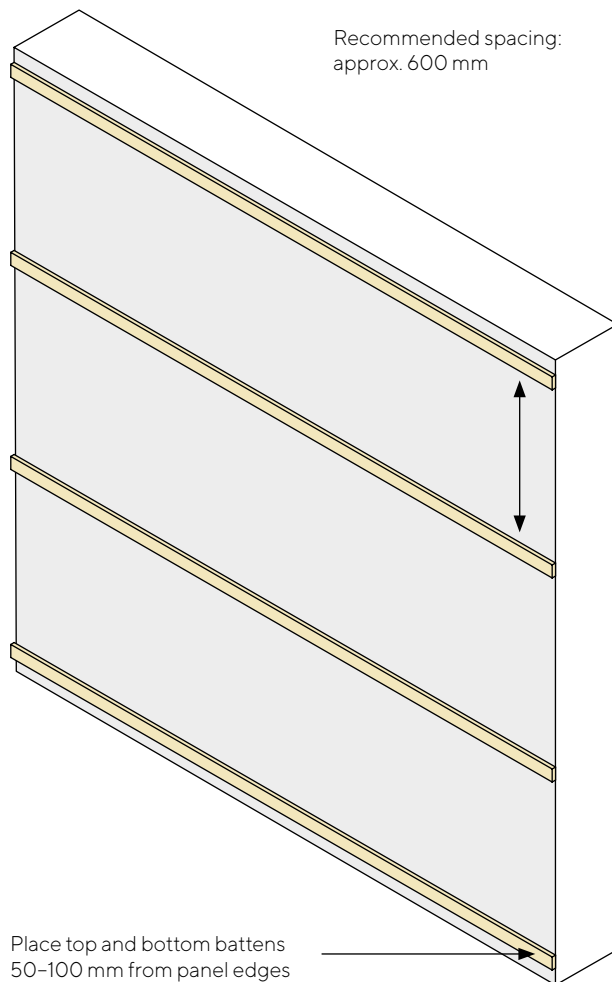


**Avoid installation
during extreme
weather conditions
such as heavy rain
or strong winds**

Installation Procedure

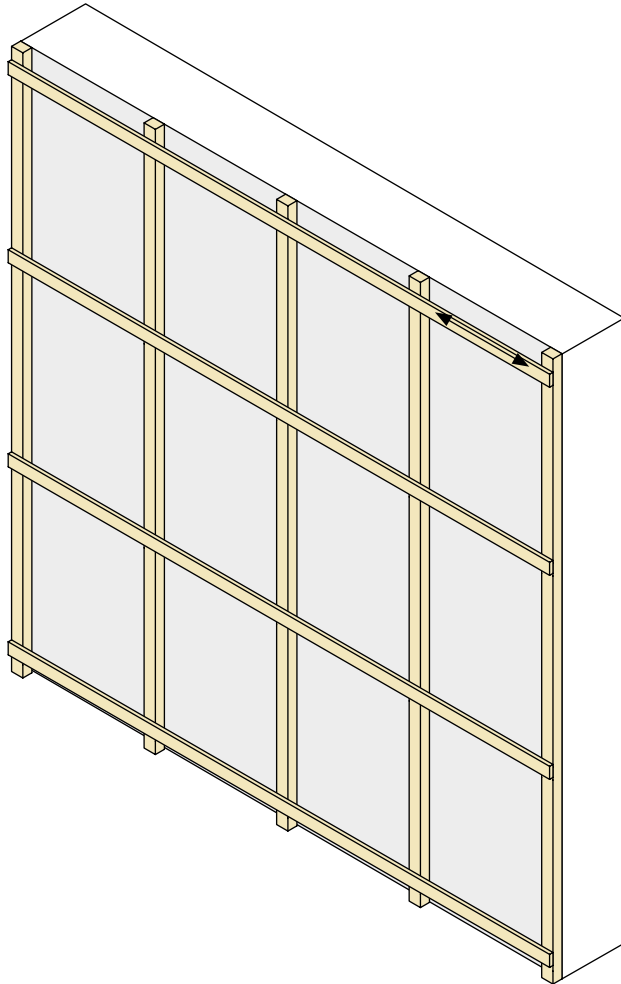
Install battens / furring strips horizontally

Install battens horizontally as standard. Always use a weather-resistant barrier behind the battens when required.



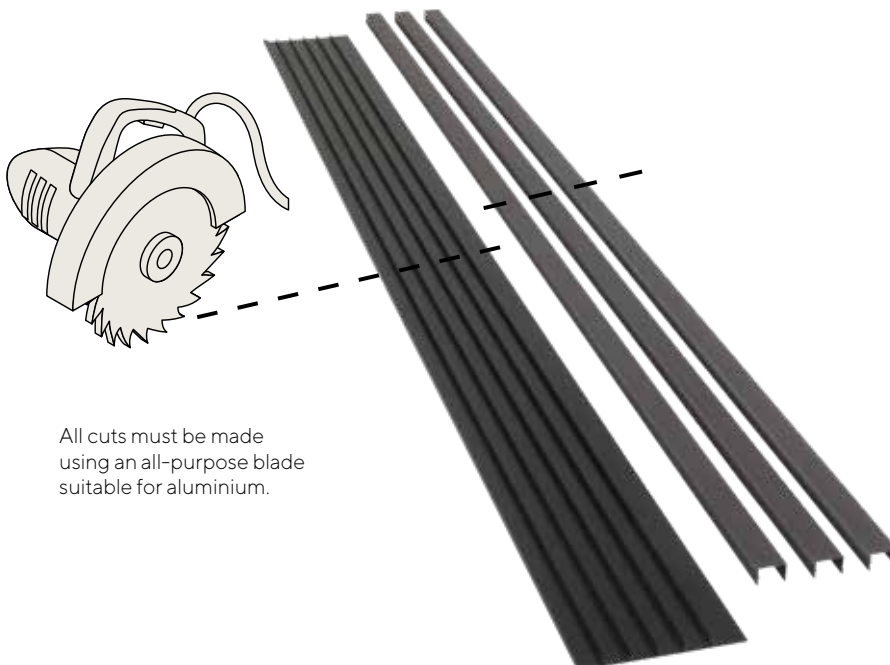
Install battens / furring strips vertically (optional)

Optional vertical battens may be used where required by design or profile configuration. Always use a weather-resistant barrier behind the battens when required.



Battens should be evenly spaced approx. 600 mm between.

Make cuts if necessary for proper panel and or trim fitment



All cuts must be made using an all-purpose blade suitable for aluminium.



Alu Panels consist of an aluminium backing plate with mounted aluminium slats.

The aluminium slats can be removed during installation and reattached afterwards, concealing the screws behind the slats.

1. Remove the profiles

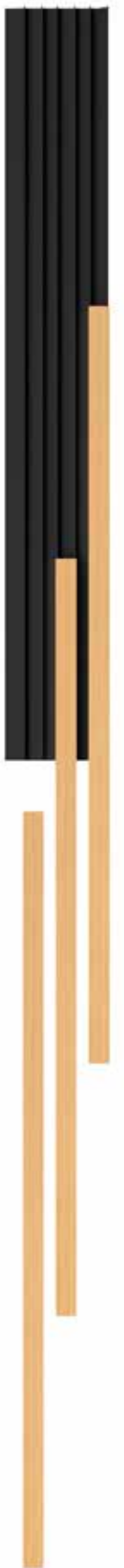
Slide or lift the aluminium profiles off the rails.

2. Secure the backing plate

Fix the backing plate with screws. Position the screws beneath the profiles for a concealed finish.

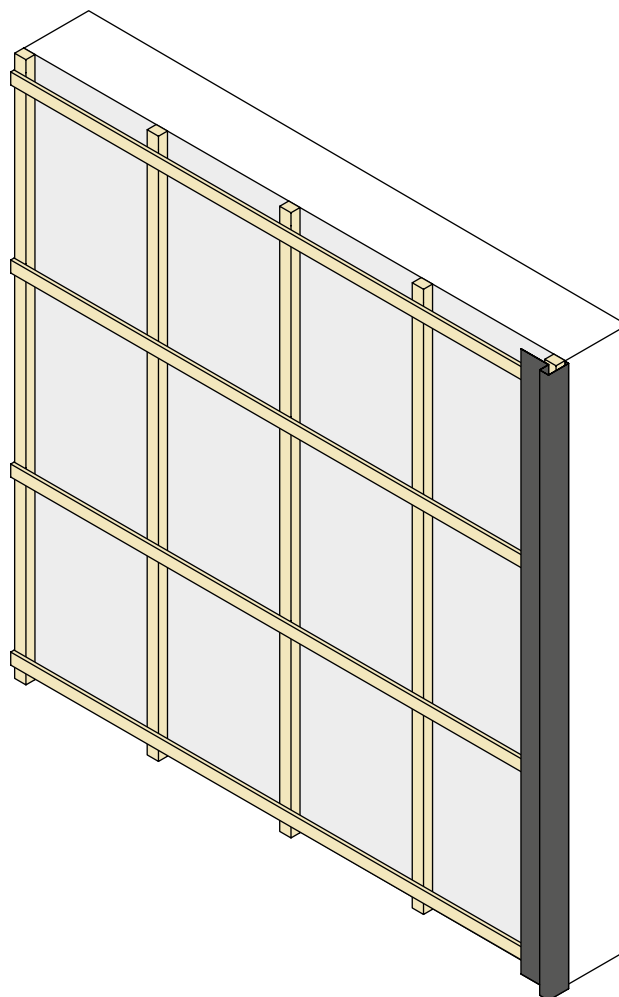
3. Reinstall the profiles

Slide or press the profiles back onto the rails until they click into place.



Step 1: Start/End Profiles

Install FibroTech Start/End Profiles along the bottom and side edges before mounting panels. Start/End Profiles protect against moisture ingress and provide correct panel alignment.



Example!

Step 2: Mounting the first panel

Begin installation from the side, typically from right to left (both directions are possible).



Example!

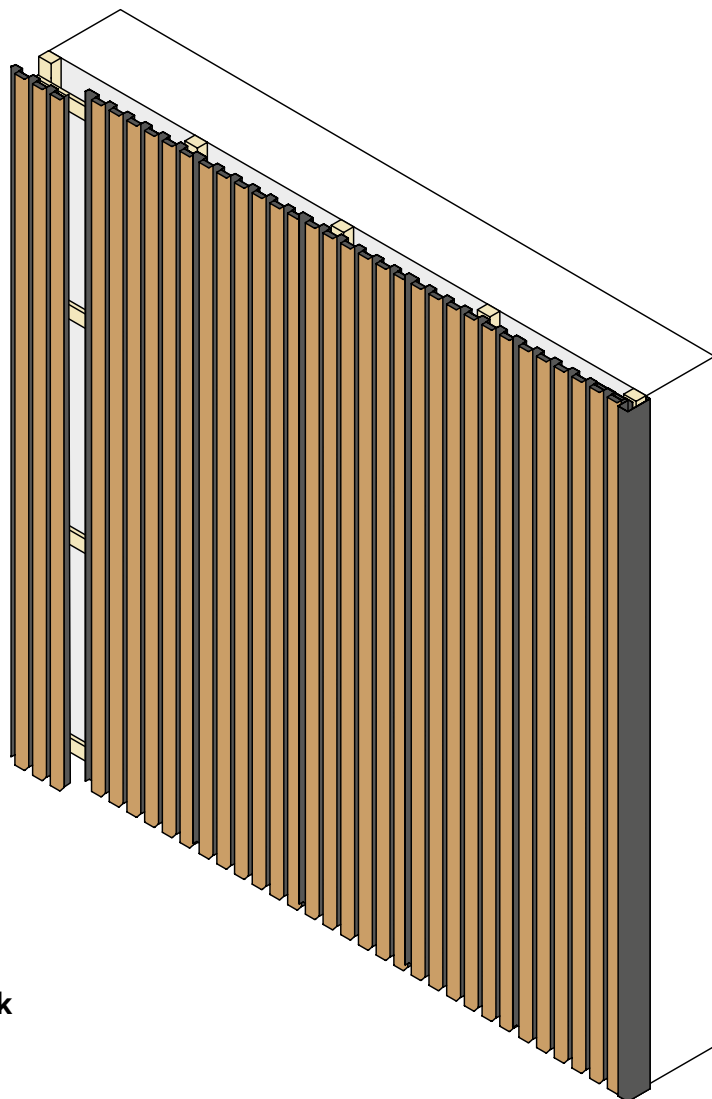
- Begin installation from the side, typically from right to left (both directions are possible).
- Position the panel and verify vertical alignment using a level.
- Ensure screws align with the rear battens (8 screws pr. panel).
- Tighten screws carefully; compress the washer without overtightening.

Step 3: Installing additional panels

- Mount the panels together.
- Check alignment frequently to maintain a straight and vertical façade.
- Continue the process across the installation area.



Example!

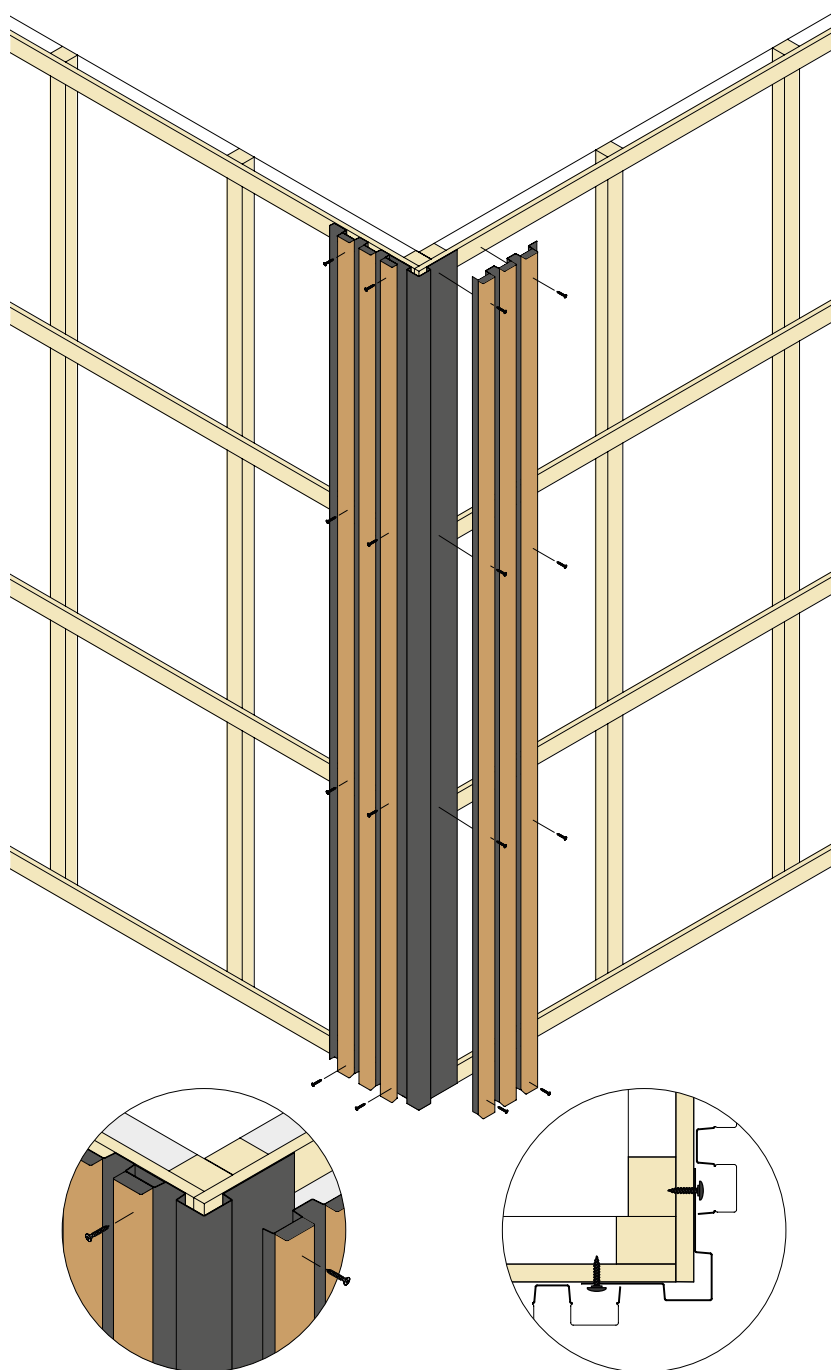


Step 4: Finishing and quality check

- Inspect all fixings and overlaps.
- Confirm correct drainage gaps and profile placement.
- Ensure all trims and profiles are correctly seated and secured.

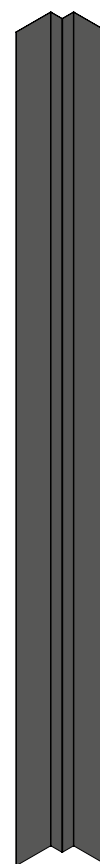
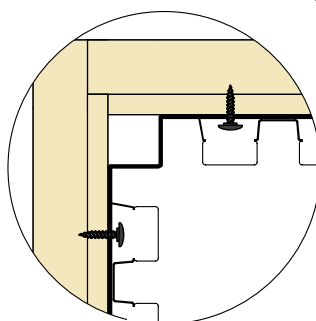
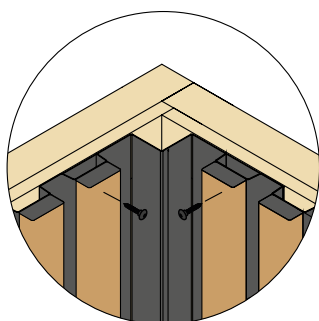
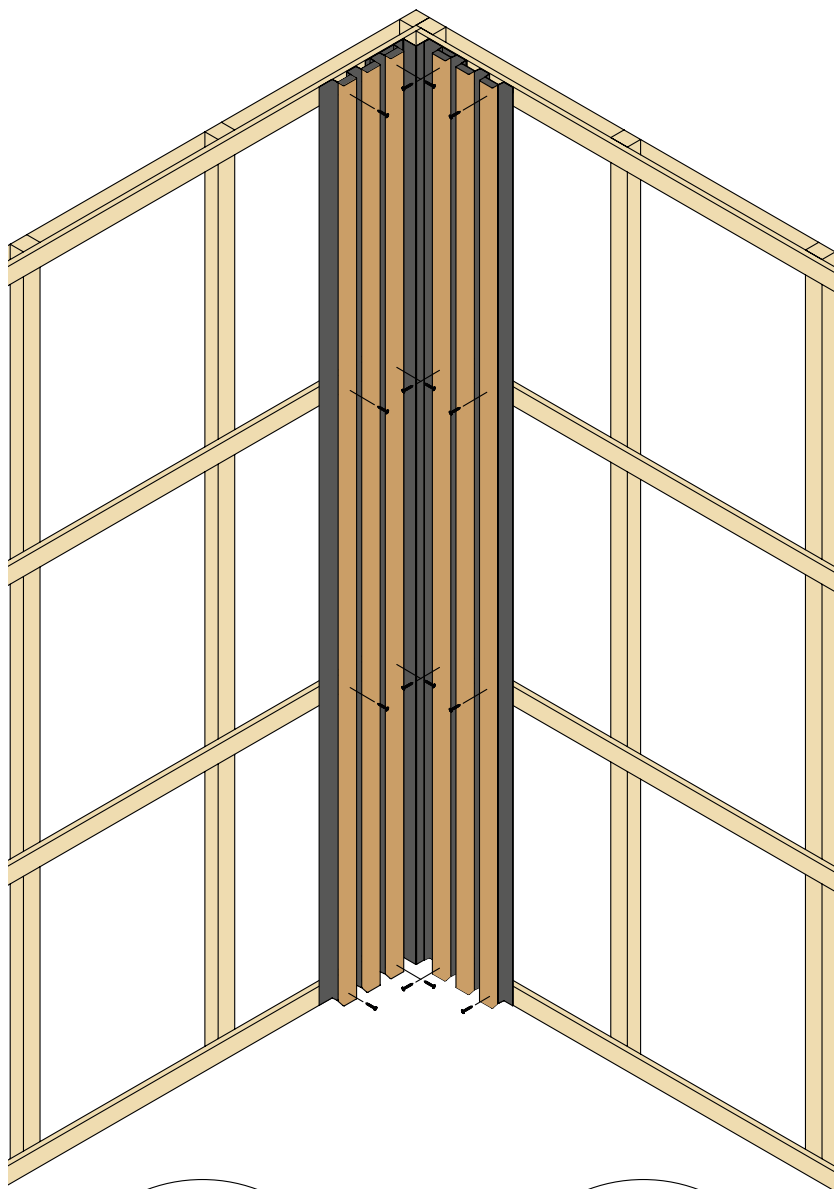
Application details and special solutions

Outside Corner Profile



Application details and special solutions

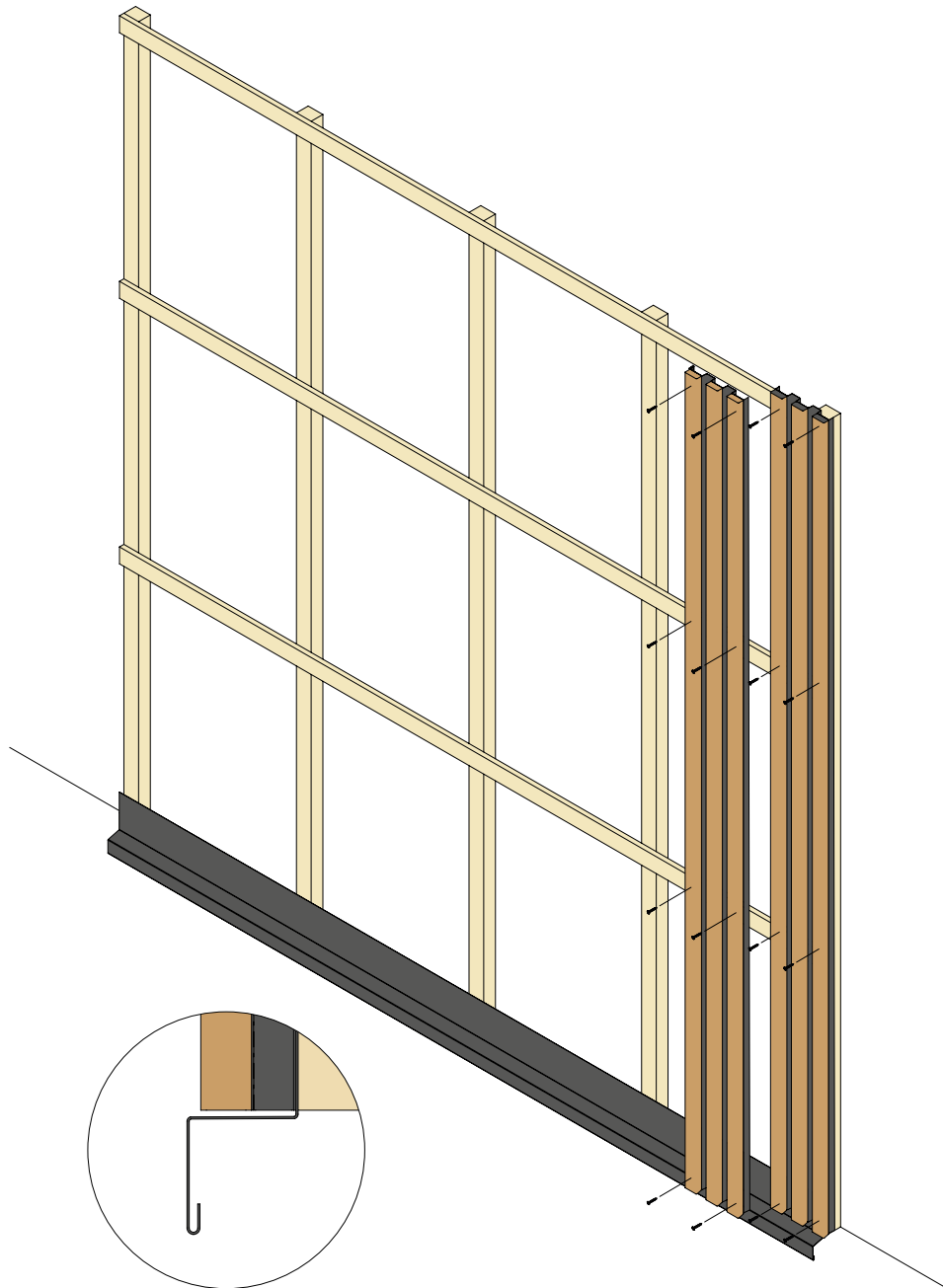
Inside Corner Profile



This piece can also be used to join a wall and ceiling.

Application details and special solutions

Bottom/Divider Profile - Bottom



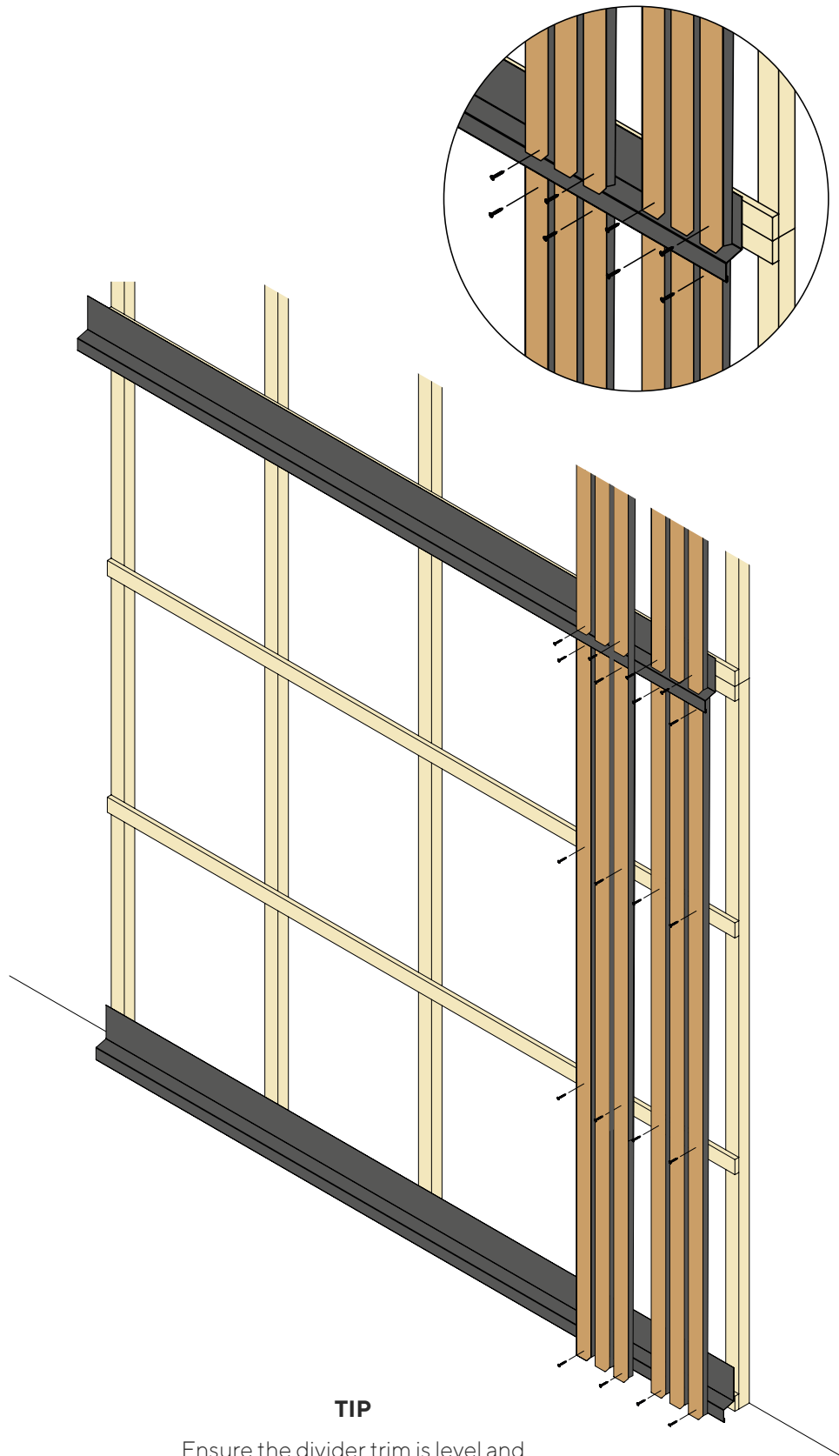
TIP

Leave a drainage gap below bottom trims to prevent water accumulation.

Panels may be installed up to 70 mm above the drainage edge if required.

Application details and special solutions

Bottom/Divider Profile - Divider



TIP

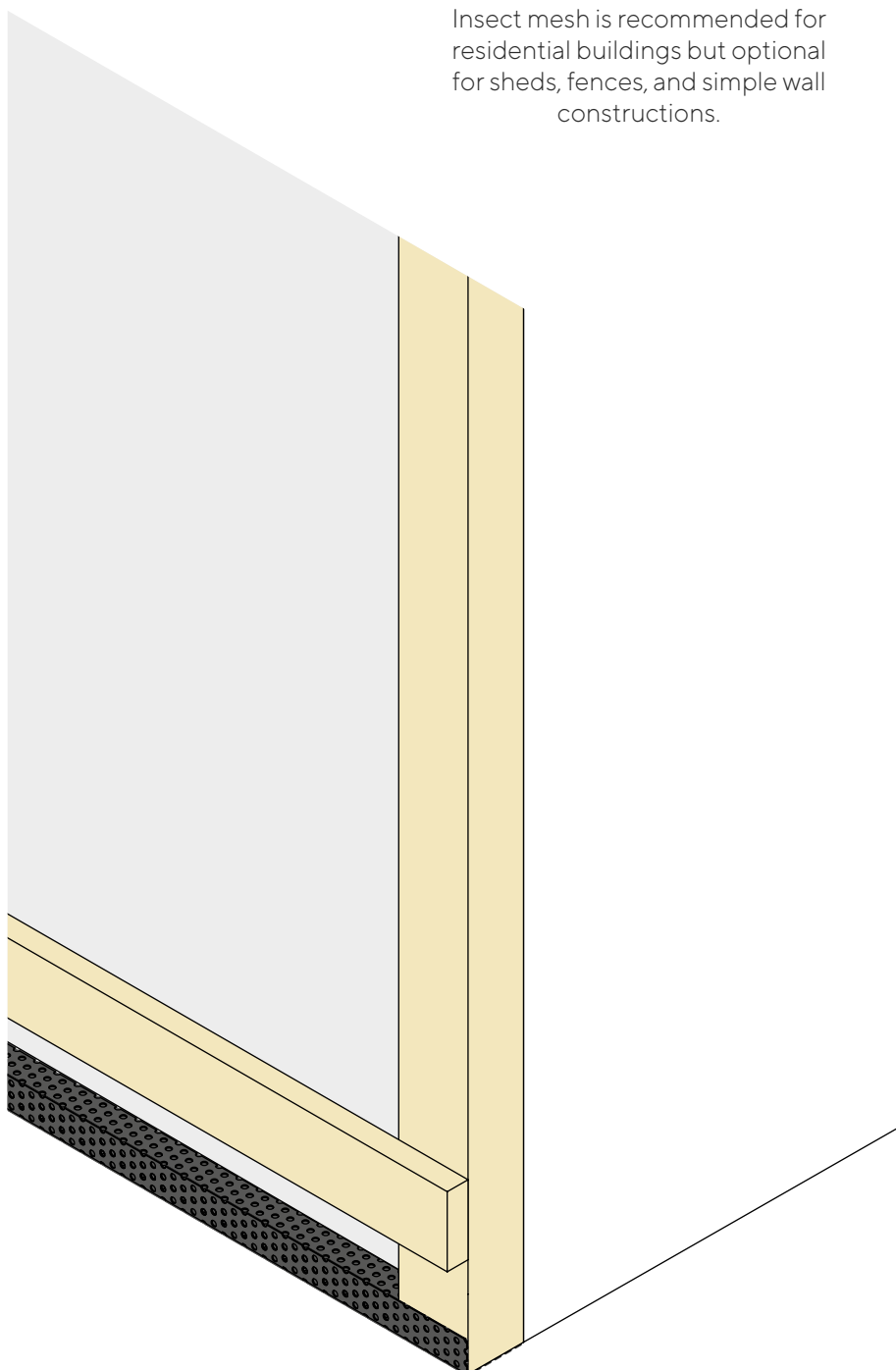
Ensure the divider trim is level and continuous, and allow a small expansion gap at joints. Do not block the drainage path when fixing the profile.

Application details and special solutions

Insect Mesh Profile

TIP

Insect mesh is recommended for residential buildings but optional for sheds, fences, and simple wall constructions.

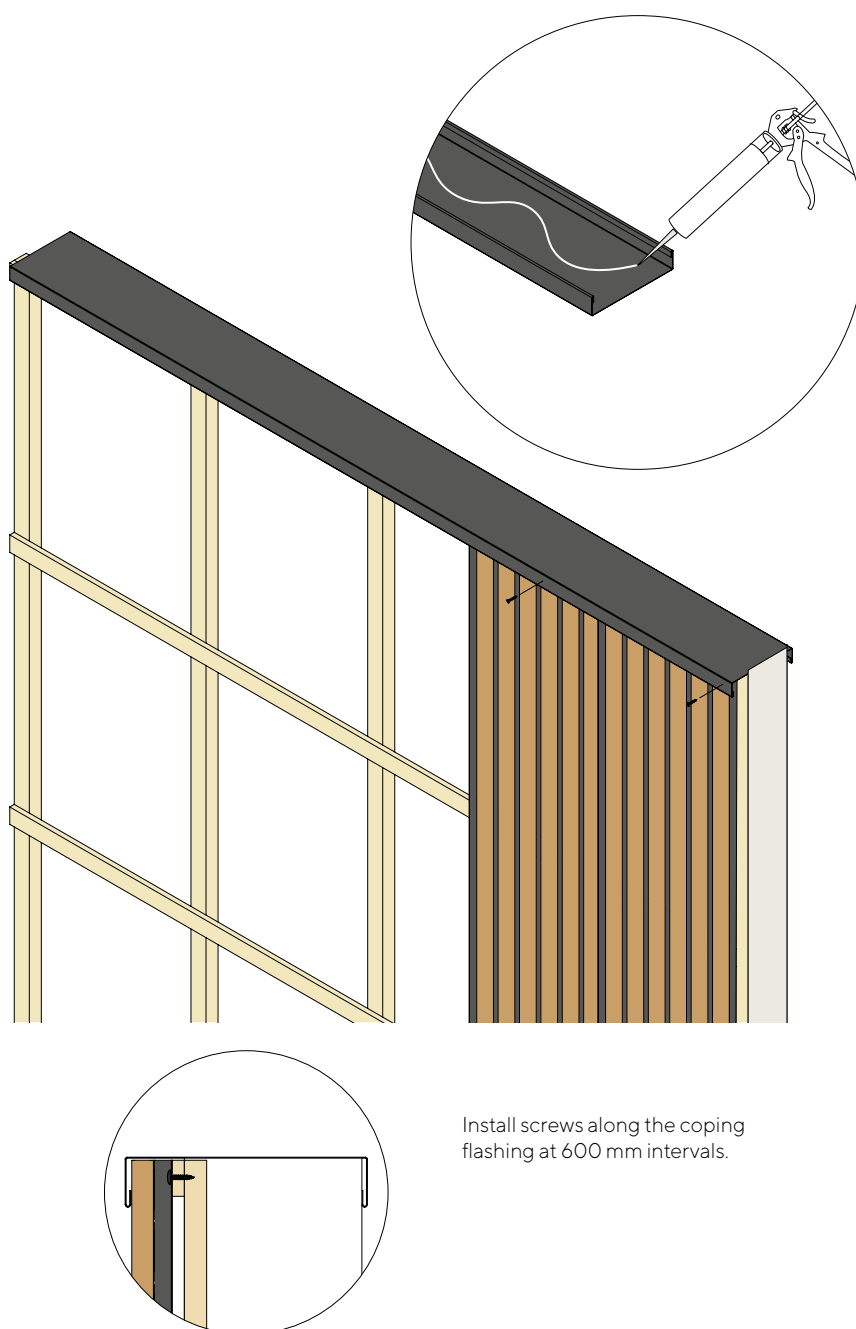


Application details and special solutions

Cover Profile - Top/Side Profiles

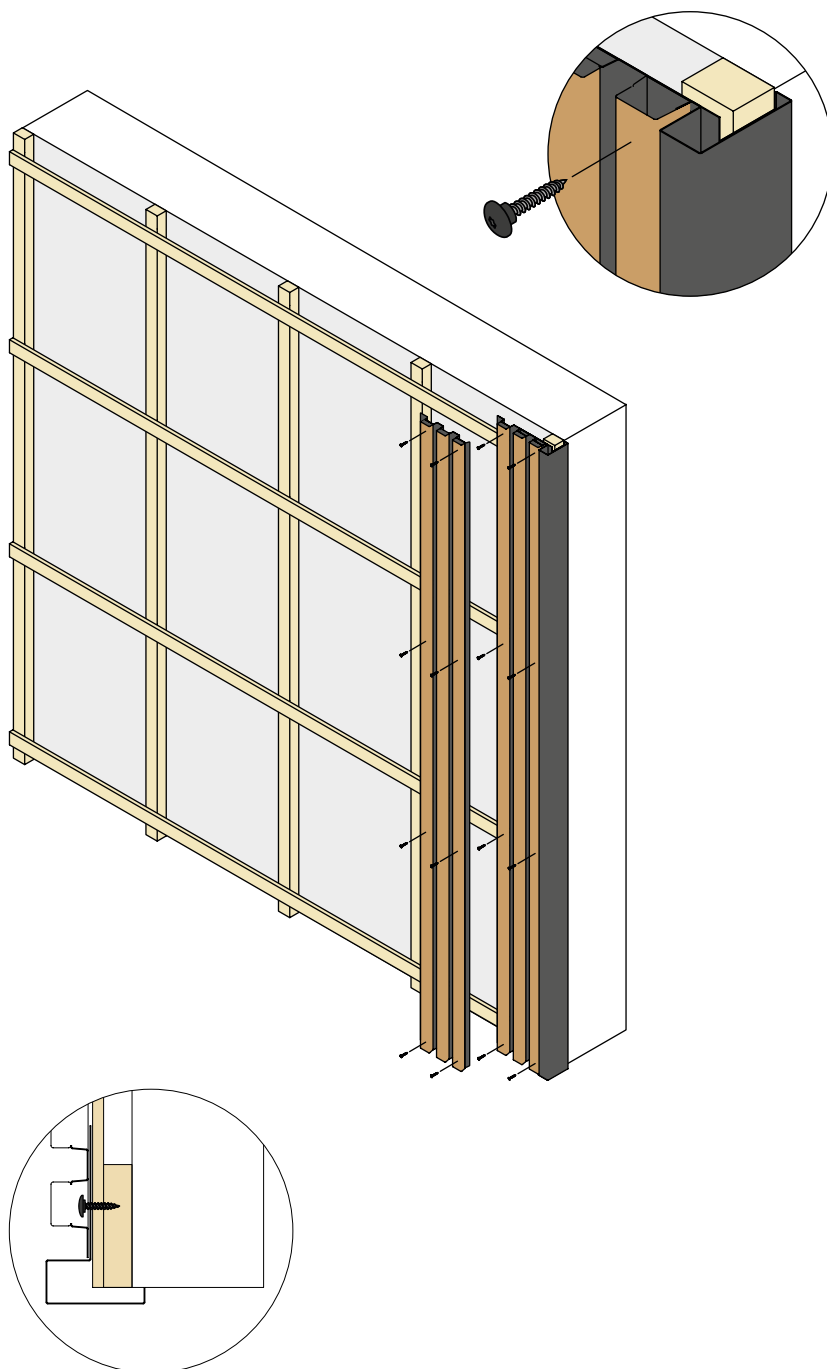
TIP

Use FibroTech
installation adhesive.



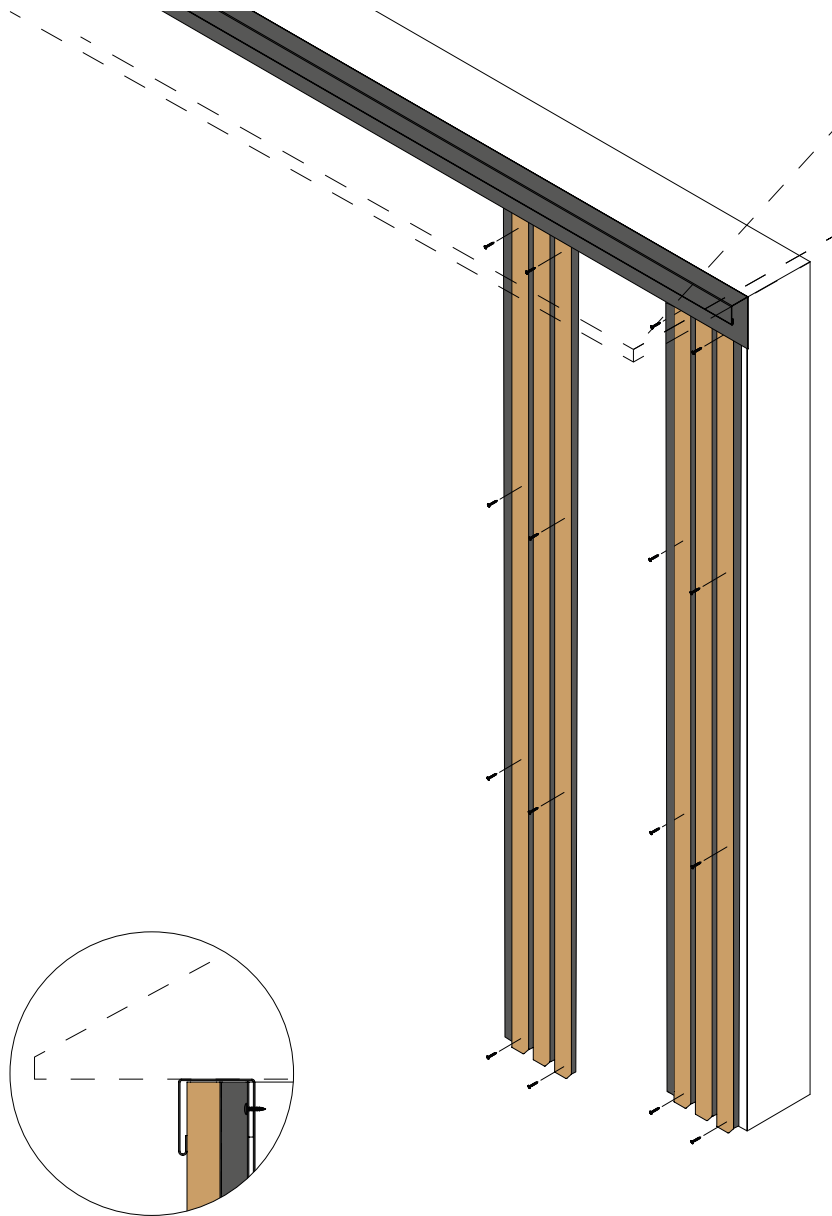
Application details and special solutions

Start/End profile with rear battens



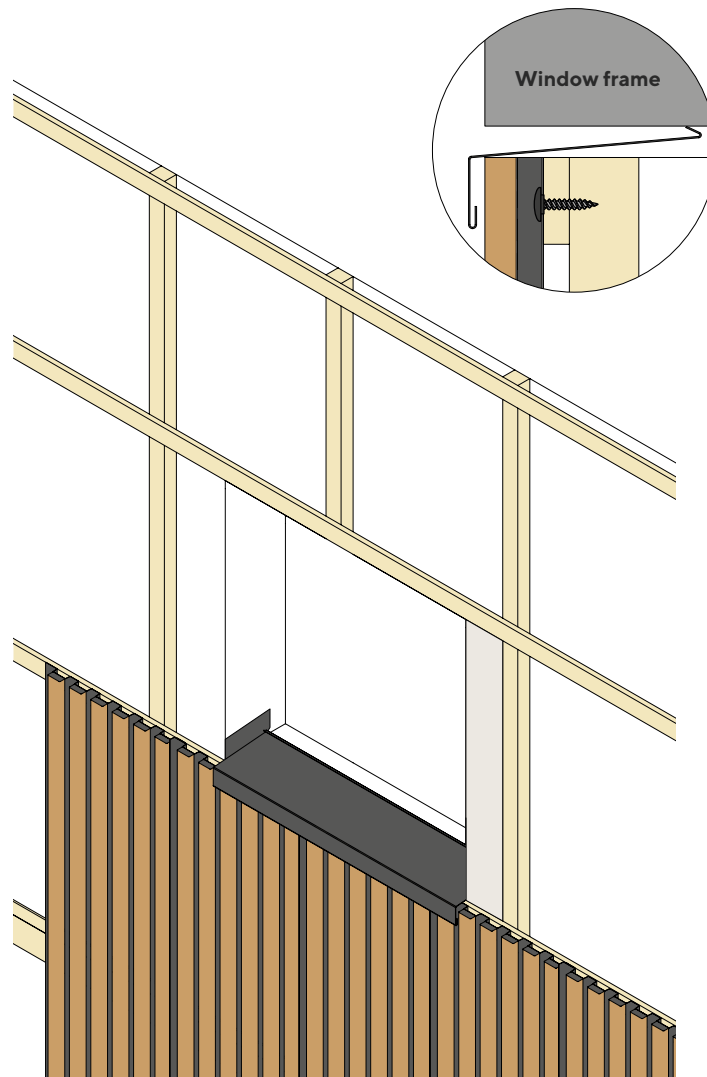
Application details and special solutions

Top/Side Profile (installation without rear battens)



Application details and special solutions

Door/Window Sill Profile

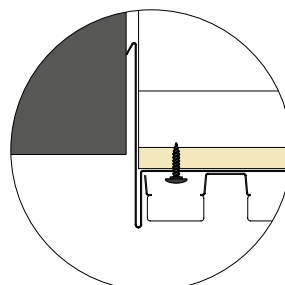
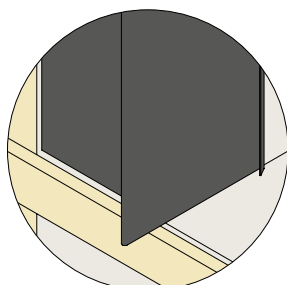
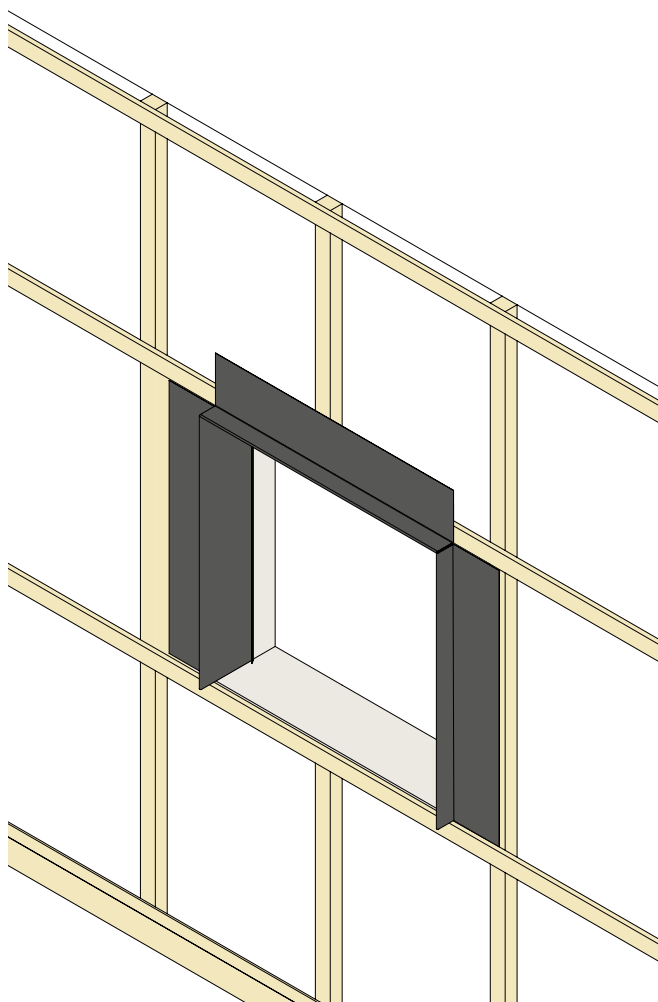


TIP

For window and door installations, cut and bend coverage profiles to match the opening precisely. Allow sufficient clearance for drainage and movement where necessary.

Application details and special solutions

Coverage Profile - Window

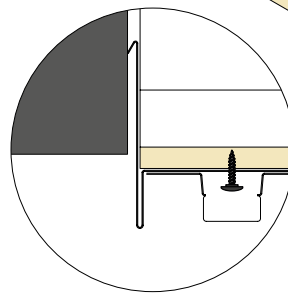
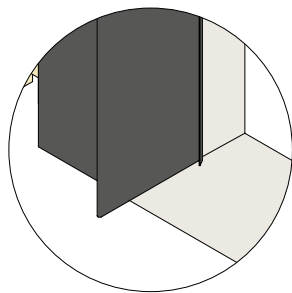
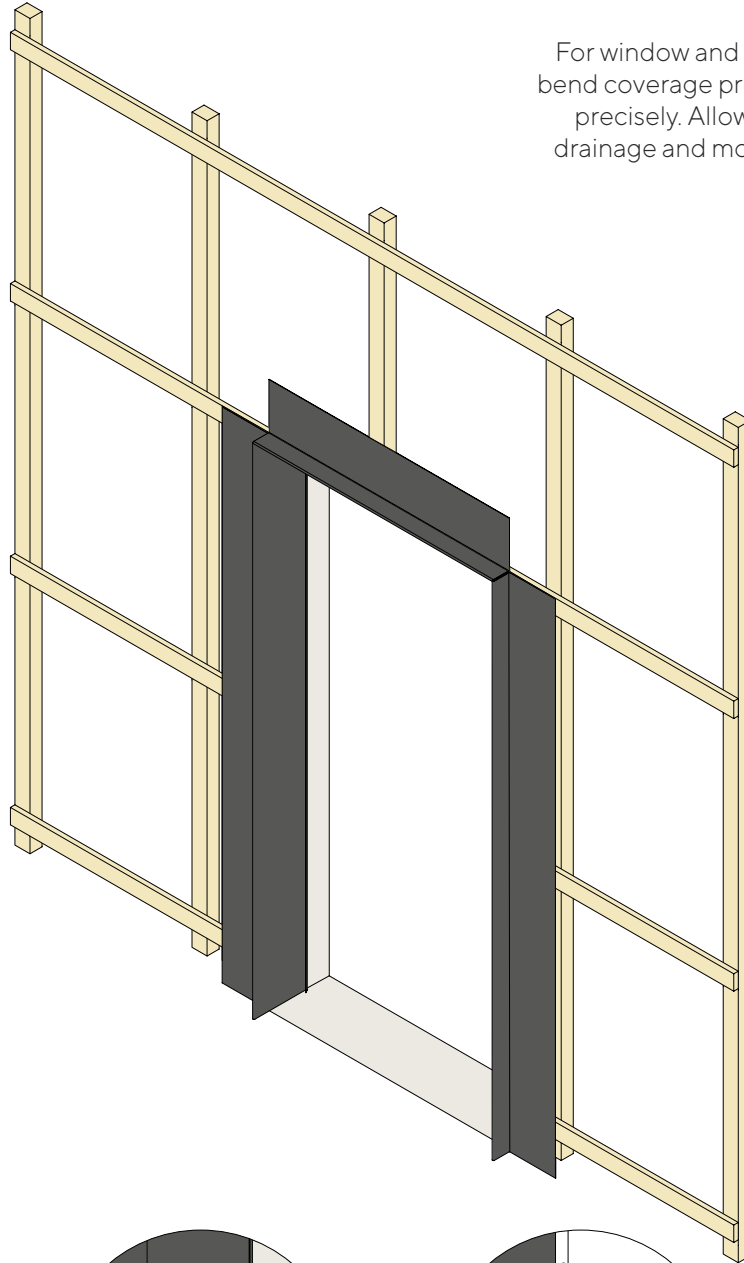


Application details and special solutions

Coverage Profile - Door

TIP

For window and door installations, cut and bend coverage profiles to match the opening precisely. Allow sufficient clearance for drainage and movement where necessary.





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