



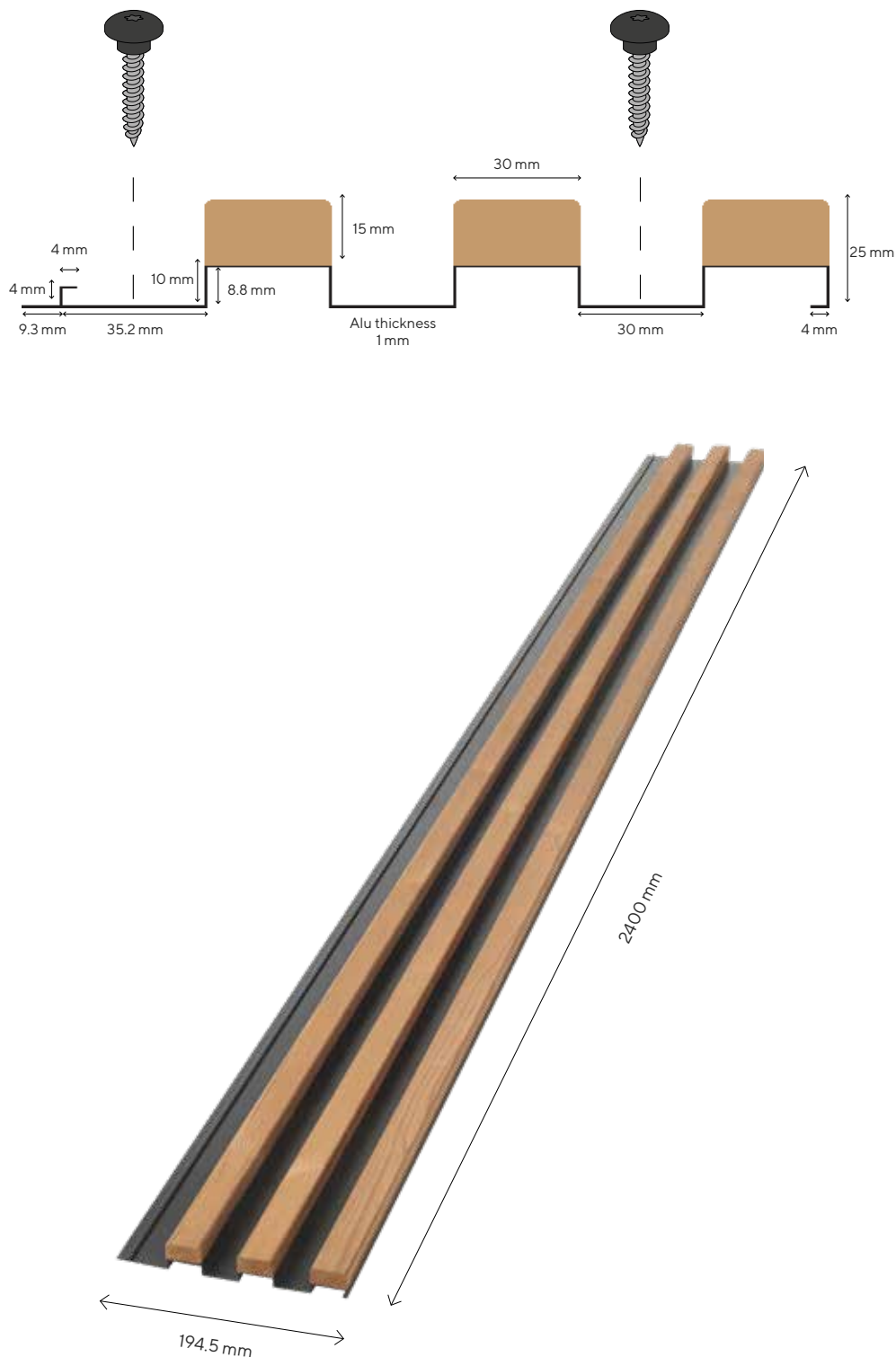
Installation guide

**ALU THERMOWOOD**

# Alu ThermoWood Panels

FibroTech Alu ThermoWood panels are exterior cladding elements developed for outdoor applications such as façades, fences, and feature walls. The panels combine thermally modified solid wood with an aluminium backing contributing to strength and stability. This construction provides a natural appearance designed to provide durability, stability and resistance to normal weather exposure.

The aluminium base adds structural strength and dimensional stability, while the ThermoWood surface delivers a warm and exclusive finish suitable for modern architecture.



# Content

|                                      |        |
|--------------------------------------|--------|
| Product Overview .....               | Page 4 |
| Recommended Tools & Materials .....  | Page 6 |
| Recommended Safety Information ..... | Page 6 |
| Installation Procedure .....         | Page 7 |

## **Application details and special solutions**

|                                                           |         |
|-----------------------------------------------------------|---------|
| Outside Corner Profile .....                              | Page 12 |
| Inside Corner Profile.....                                | Page 13 |
| Bottom/Divider Profile – Bottom.....                      | Page 14 |
| Bottom/Divider Profile – Divider .....                    | Page 15 |
| Insect Mesh Profile .....                                 | Page 16 |
| Cover- and Top/Side Profiles.....                         | Page 17 |
| Start/End Profile with rear battens.....                  | Page 18 |
| Top/Side Profile (installation without rear battens)..... | Page 19 |
| Door/Window Sill Profile .....                            | Page 20 |
| Coverage Profile – Window .....                           | Page 21 |
| Coverage Profile – Door .....                             | Page 22 |

# Product Overview

## Panel specifications

Panel dimensions: 25 × 194.5 × 2400 mm (0.98 × 7.66 × 94.49 in)

Coverage Area: 0.47 m<sup>2</sup> (5.06 sq ft) per panel

Aluminium thickness: 1 mm

Screws per panel: 8

Integrated overlap design for effective water shedding

## Panels are available in the following finishes:



FibroTech Alu ThermoWood  
**Natural**



FibroTech Alu ThermoWood  
**Oiled**



FibroTech Alu ThermoWood  
**Grey**



FibroTech Alu ThermoWood  
**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**



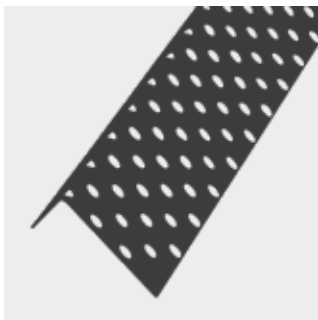
FibroTech  
**Outside Corner Profile**



FibroTech  
**Inside Corner Profile**



FibroTech  
**Bottom/Divider Profile**



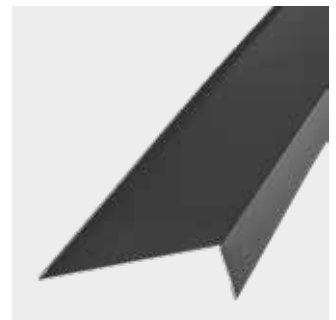
FibroTech  
**Insect Mesh Profile**



FibroTech  
**Cover Profile 200 mm**



FibroTech  
**Cover Profile 250 mm**



FibroTech  
**Door/Window Sill Profile**



FibroTech  
**Coverage Profile**



FibroTech  
**Top/Side Profile**

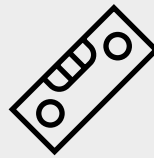
## Recommended Tools & Materials



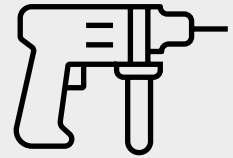
**Folding rule**



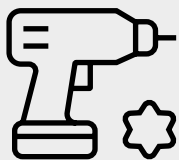
**Pencil or marker**



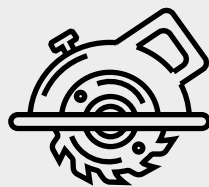
**Spirit level**



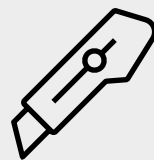
**Power drill**



**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**

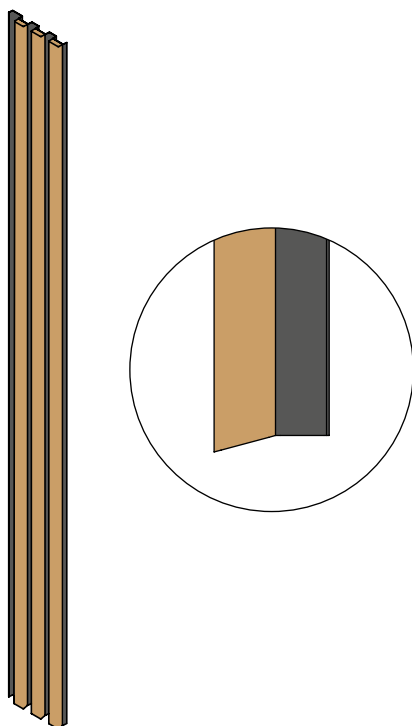
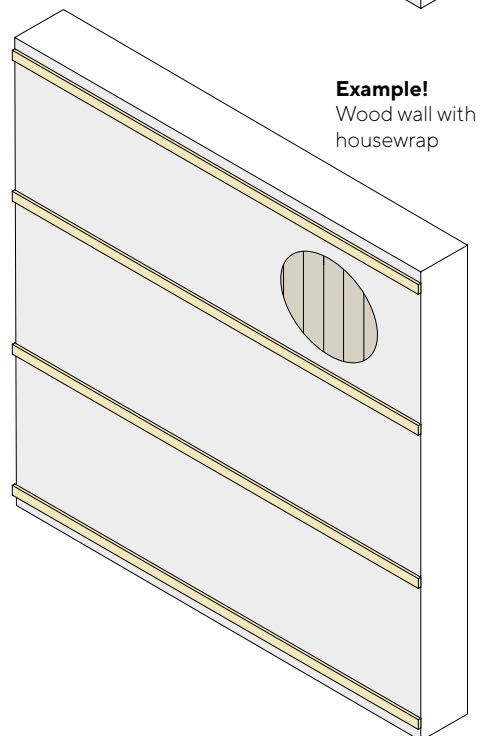
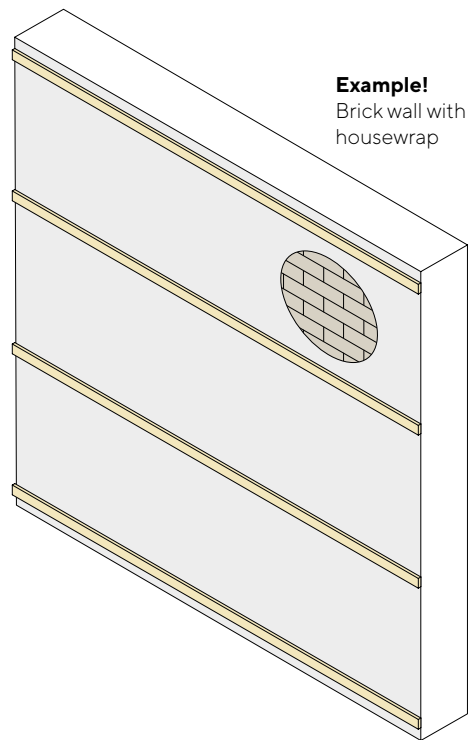
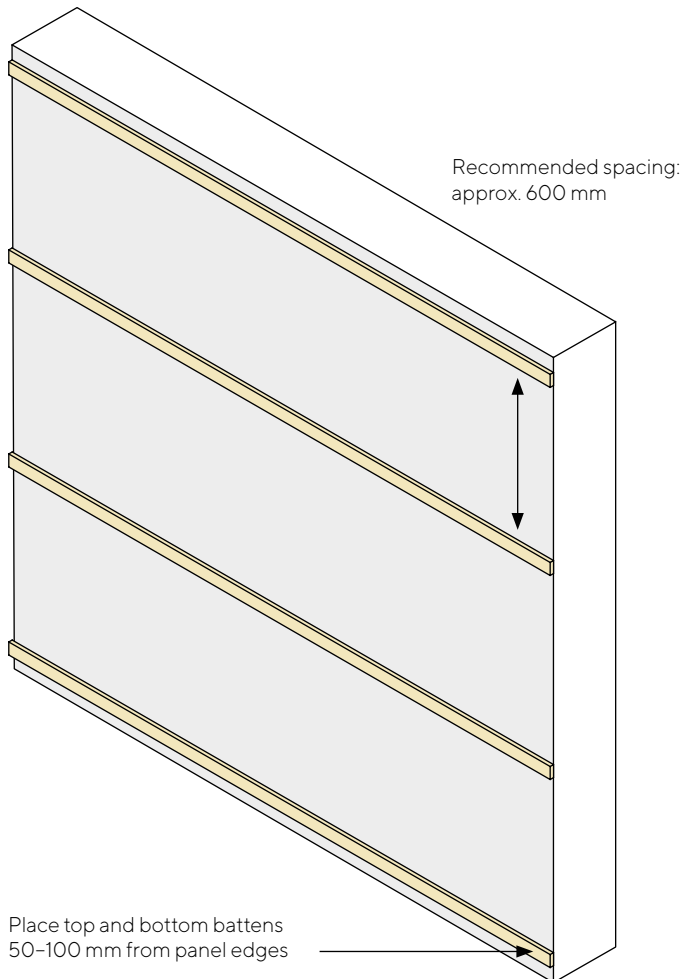


**Avoid installation  
during extreme  
weather conditions  
such as heavy rain  
or strong winds**

# Installation Procedure

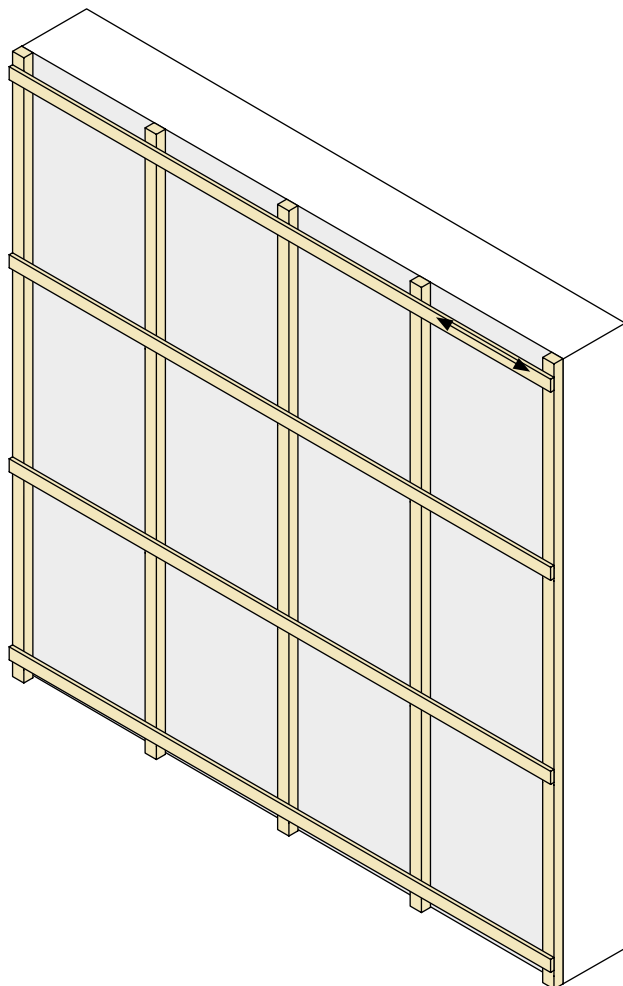
## Install battens / furring strips horizontally

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



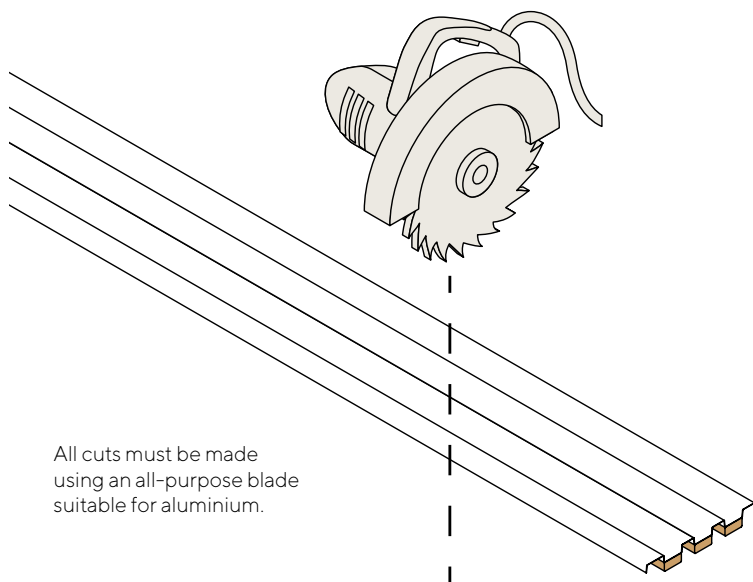
## Install battens / furring strips vertically (optional)

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.

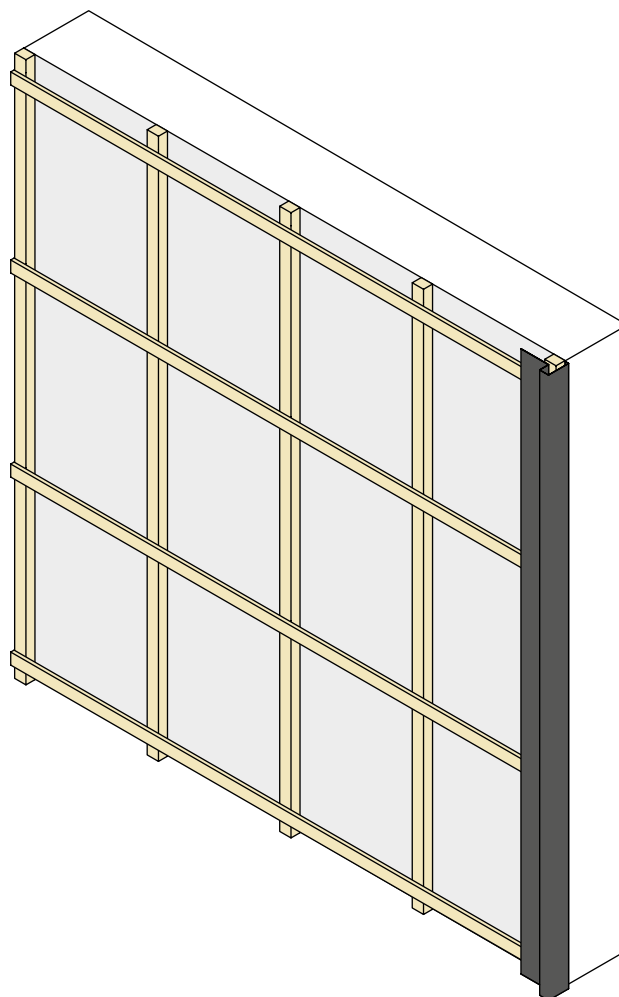
## Make cuts if necessary for proper panel and or trim fitment



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

## Step 1: Start/End Profiles

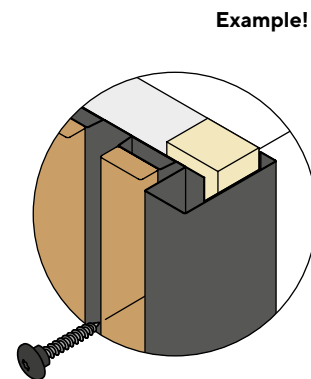
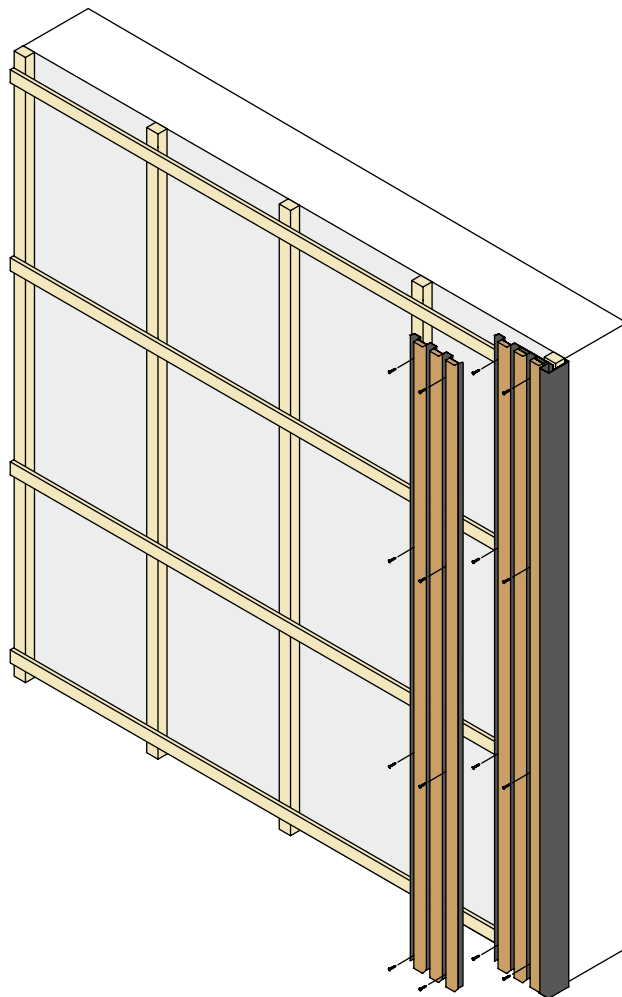
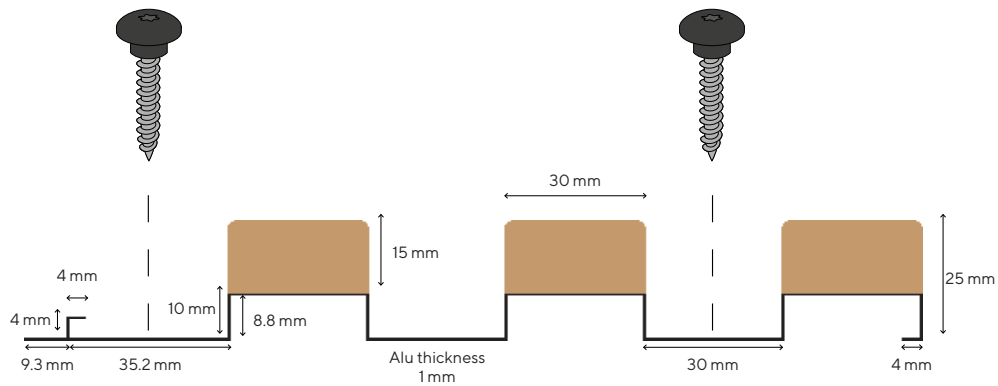
Install FibroTech Start/End Profiles along the bottom and side edges before mounting panels. Start/End Profiles protect against moisture ingress and provide correct panel alignment.



**Example!**

## Step 2: Mounting the first panel

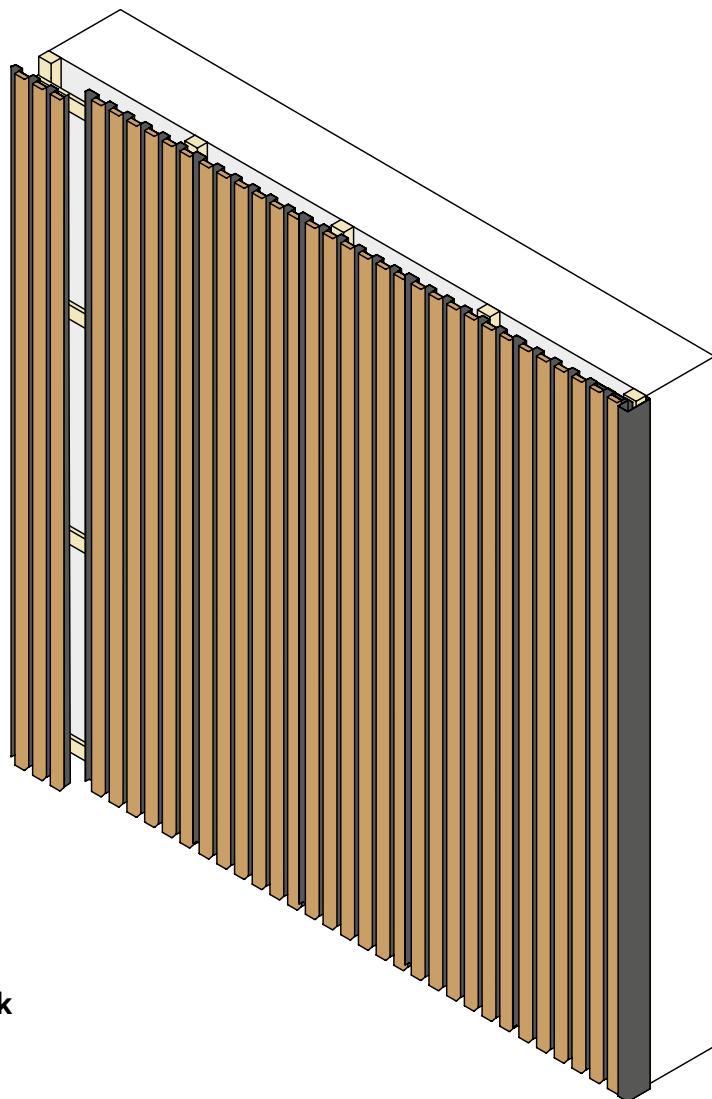
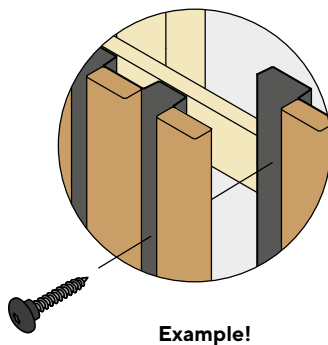
Begin installation from the side, typically from right to left (both directions are possible).



- 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.

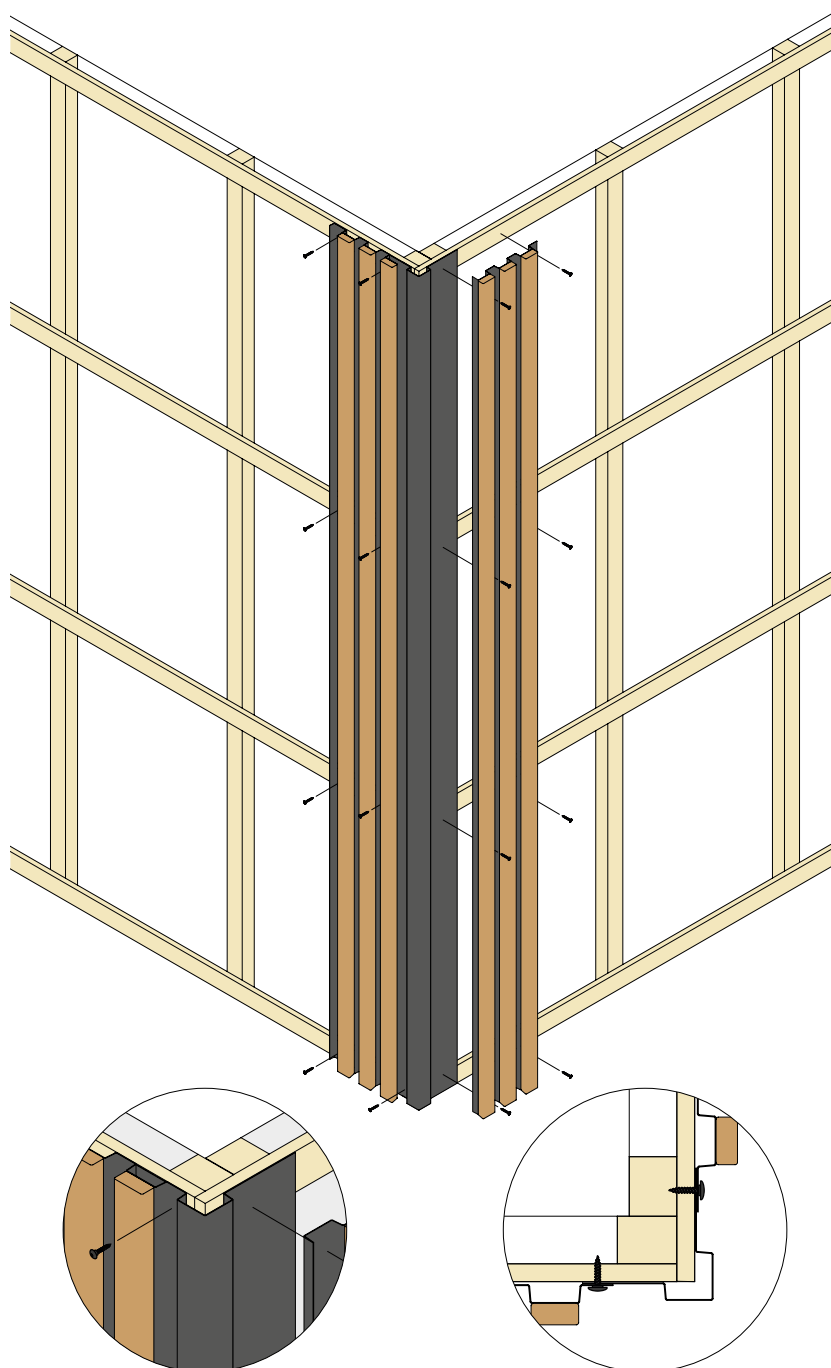


### Step 4: Finishing and quality check

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

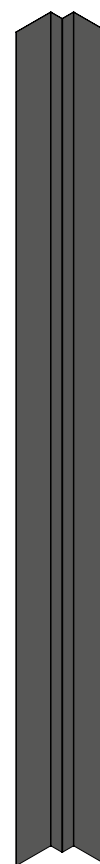
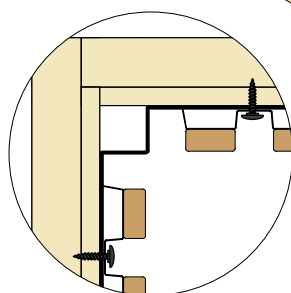
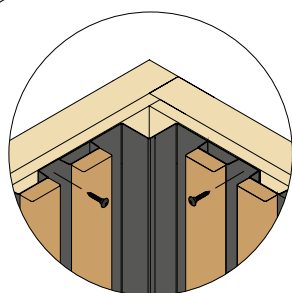
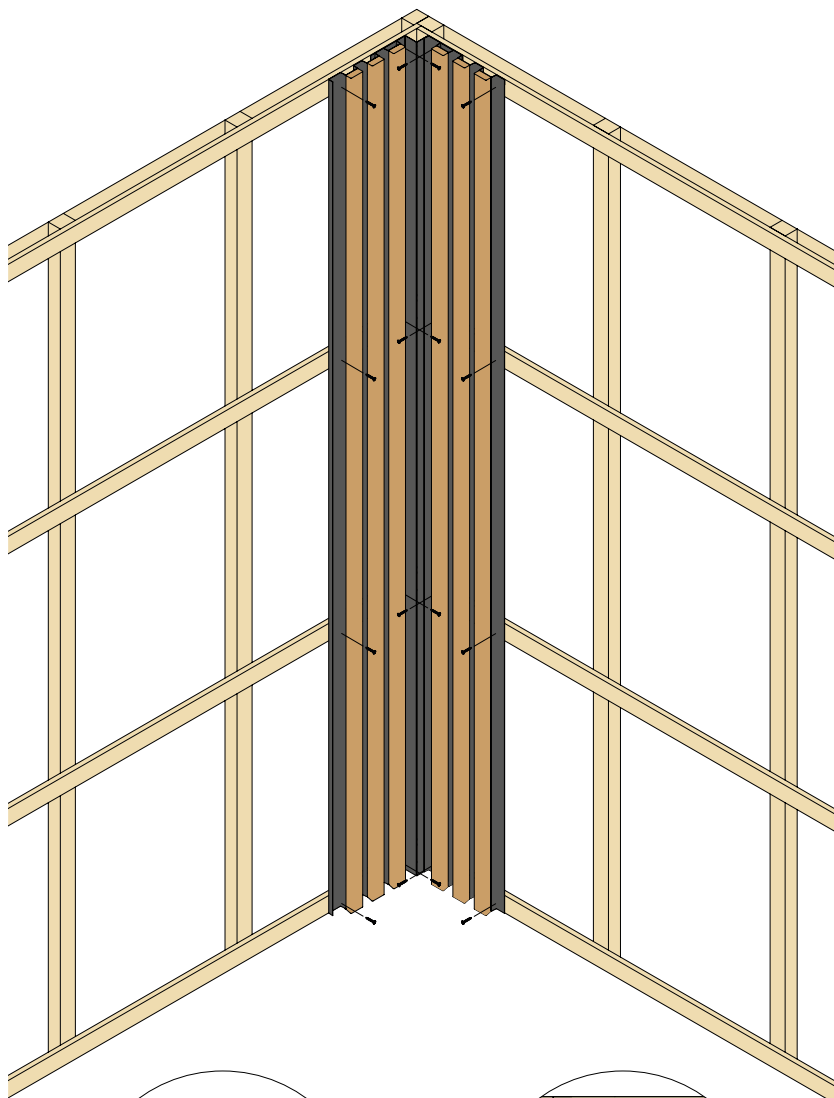
# Application details and special solutions

## Outside Corner Profile



# Application details and special solutions

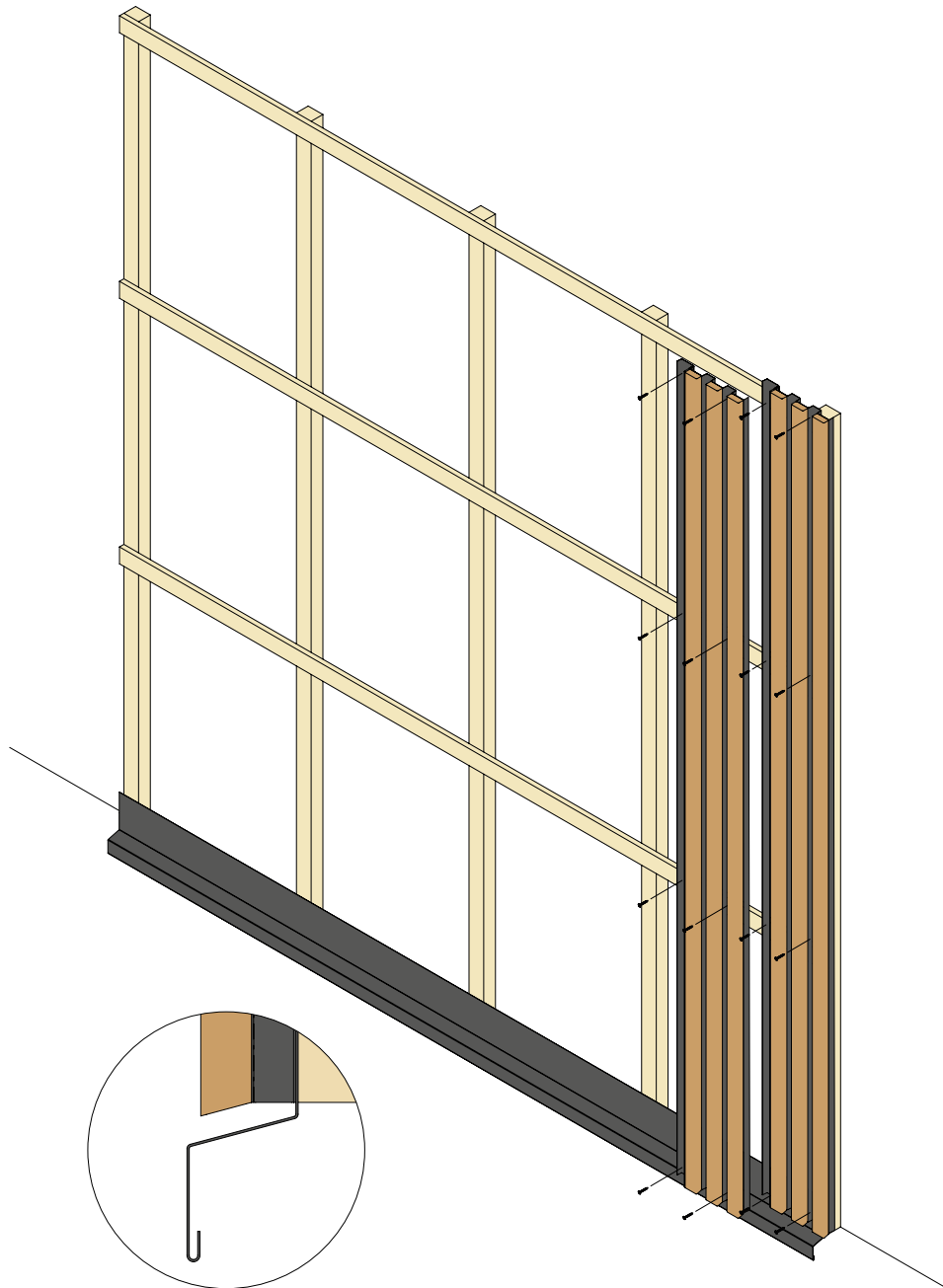
## Inside Corner Profile



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

# Application details and special solutions

## Bottom/Divider Profile - Bottom



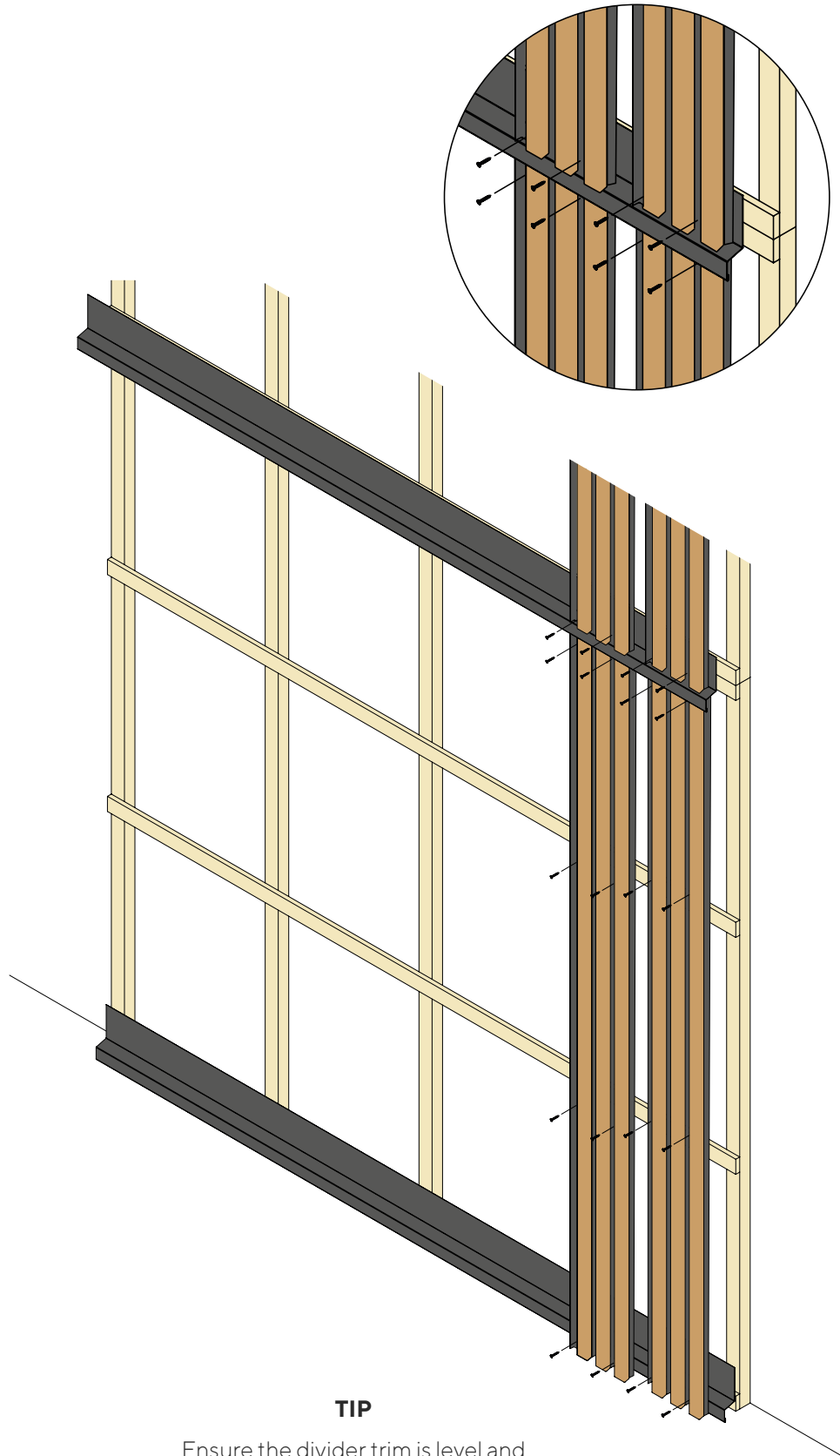
### TIP

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

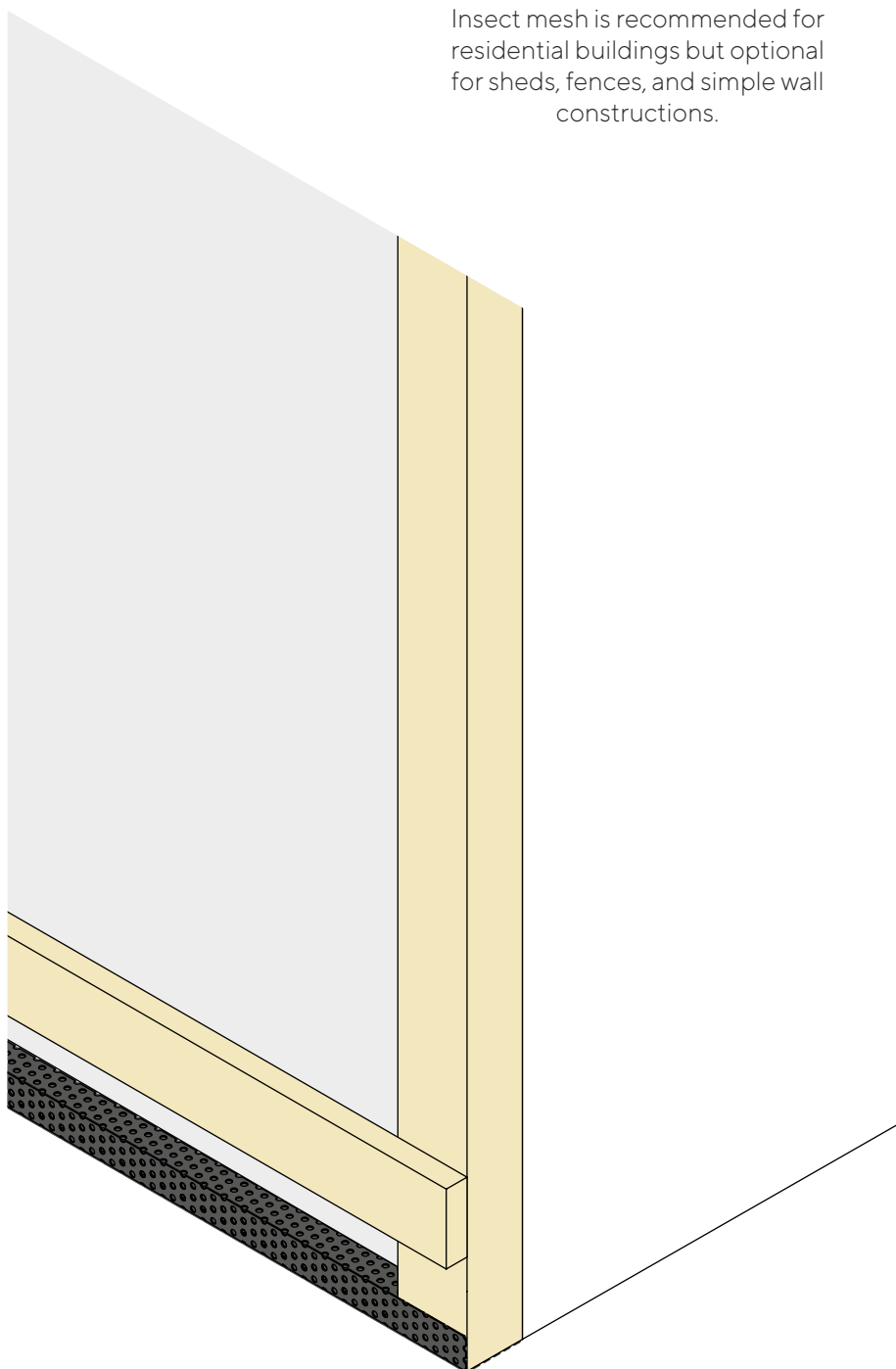
Ensure the divider trim is level and continuous, and allow a small expansion gap at joints. Do not block the drainage path when fixing the profile.

# 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.

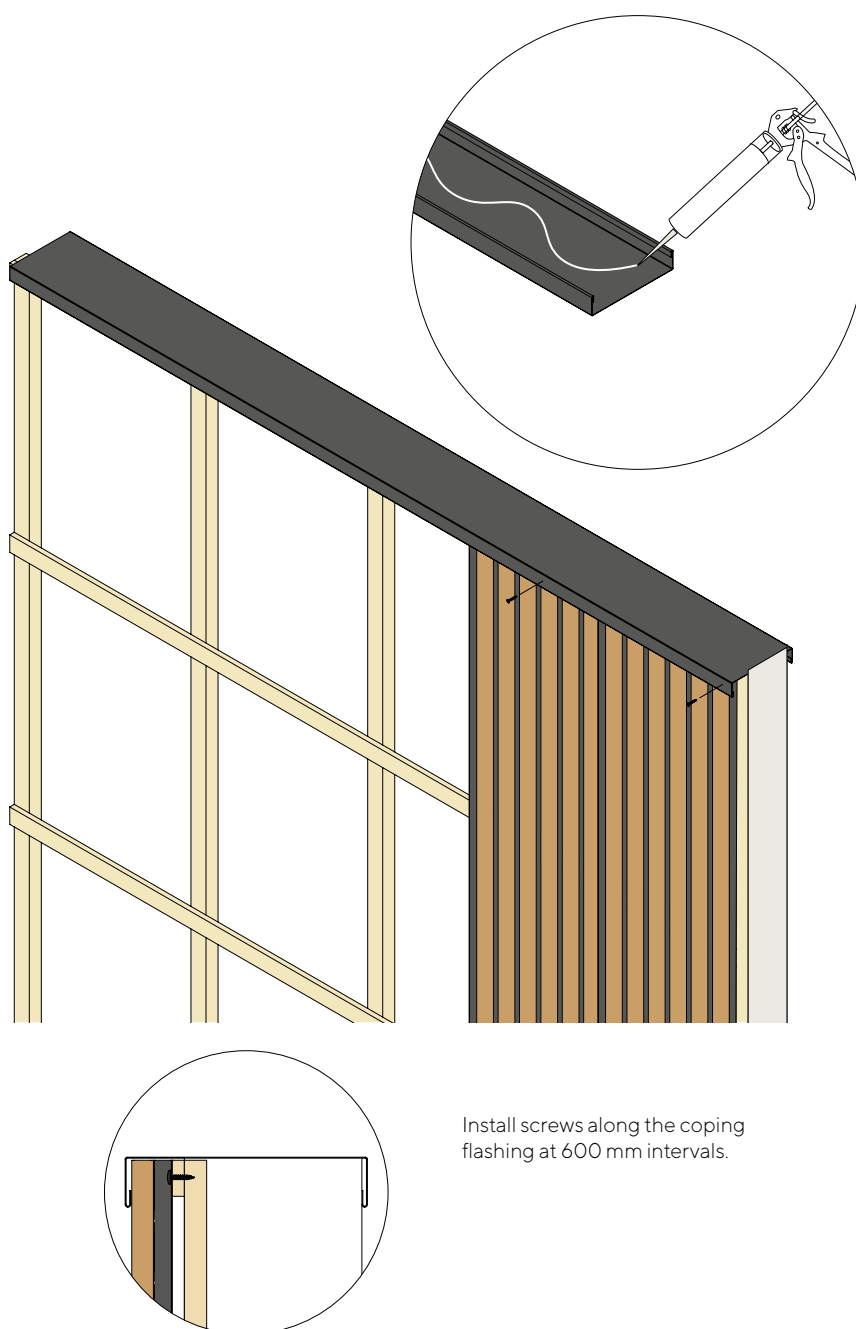


# Application details and special solutions

## Cover Profile - Top/Side Profiles

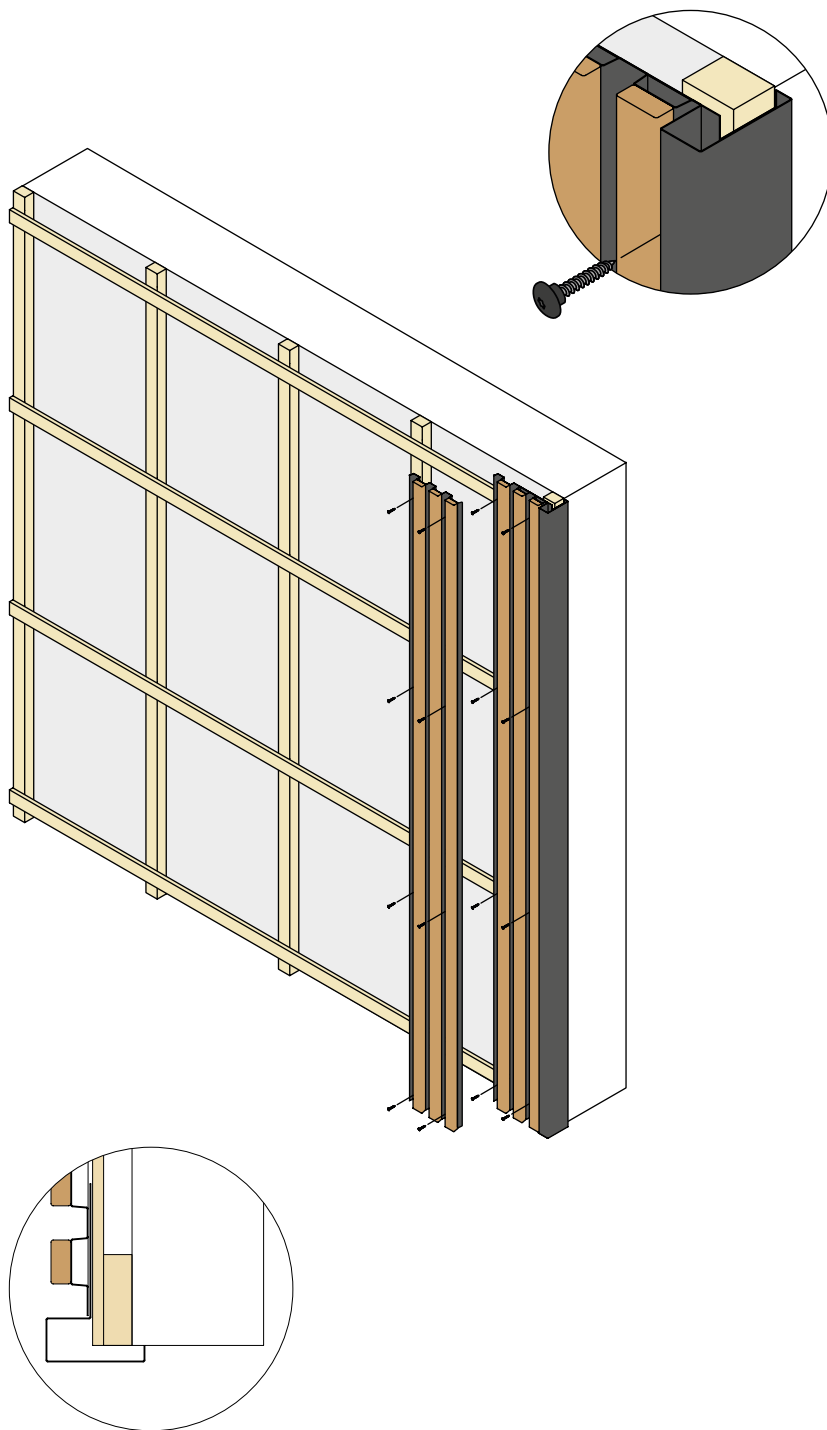
### TIP

Use FibroTech  
installation adhesive.



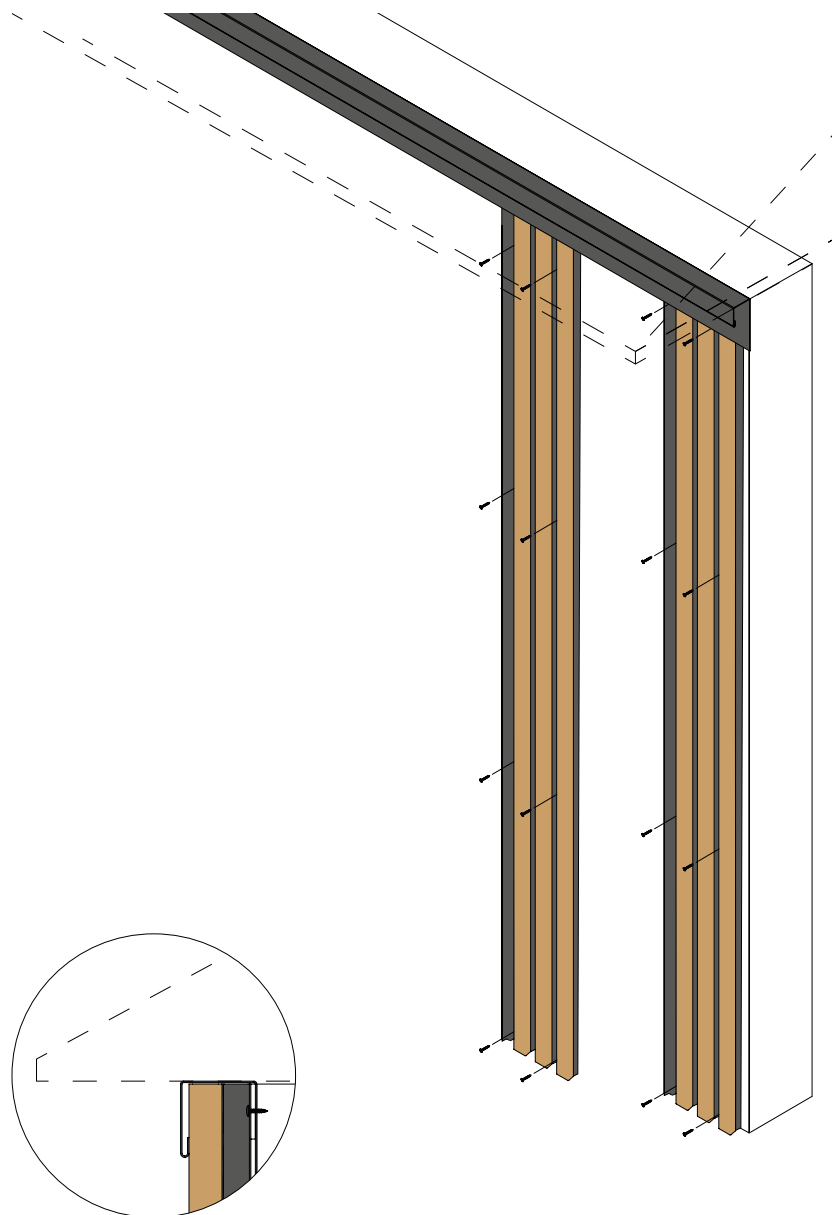
# Application details and special solutions

## Start/End profile with rear battens



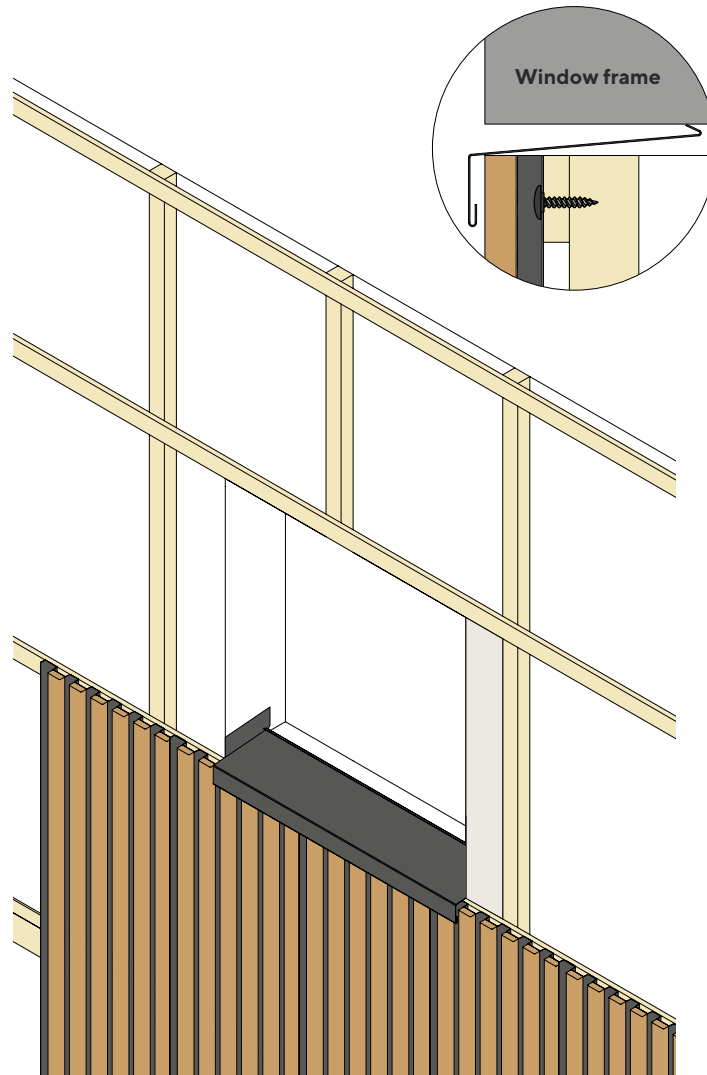
# Application details and special solutions

## Top/Side Profile (installation without rear battens)



# Application details and special solutions

## Door/Window Sill Profile

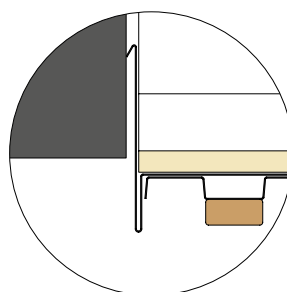
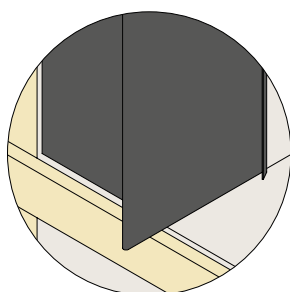
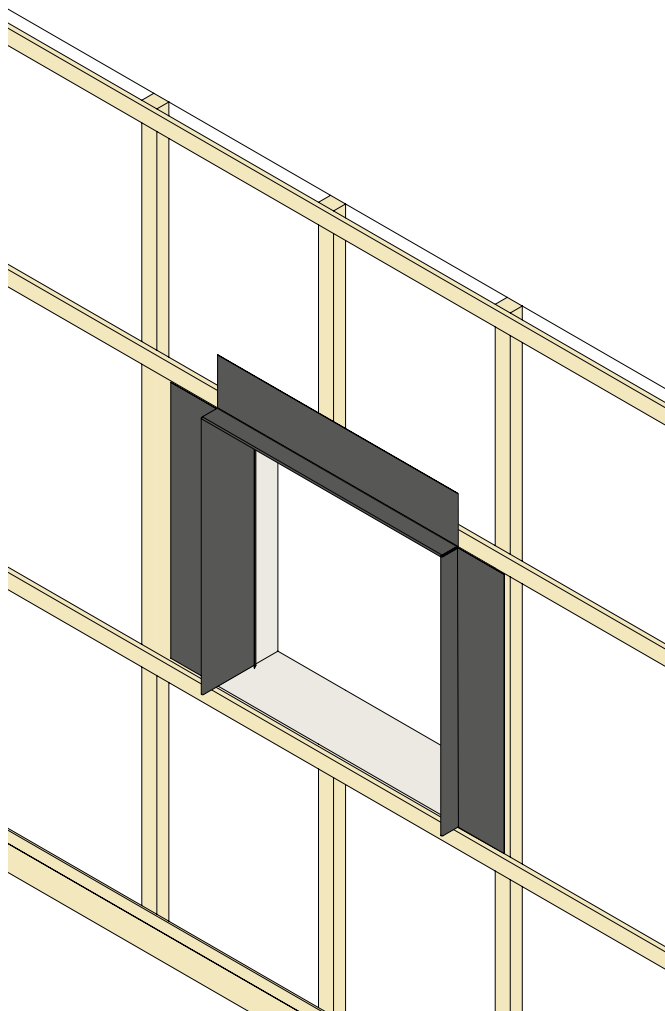


### TIP

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

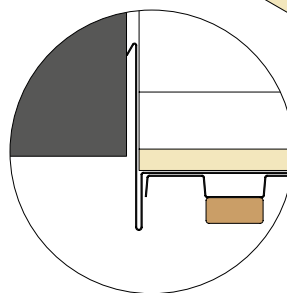
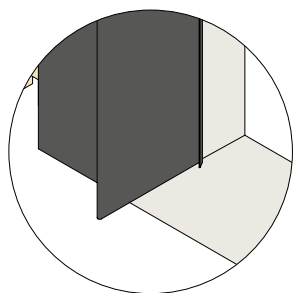
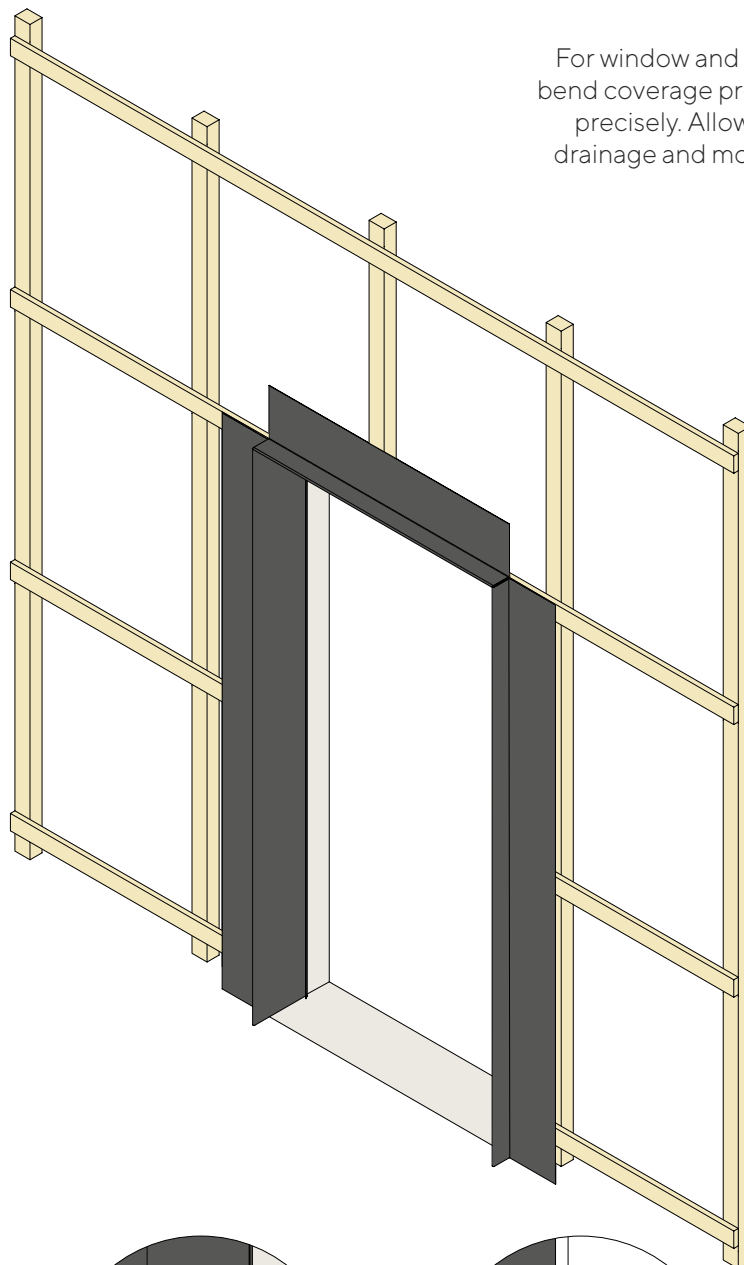


# Application details and special solutions

## 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.





Visualization with AI



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