

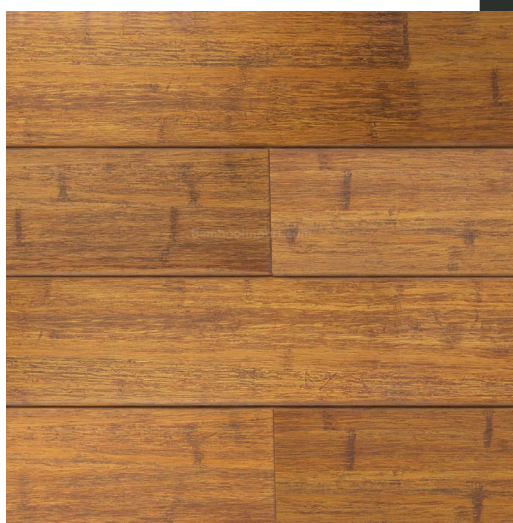


BambooConstruct
by Bamboologic

Bamboo Wall Panels

Installation & Maintenance Guide

Strandwoven THERMO bamboo cladding — profiles BIE-1 through BIE-4. This guide covers tooling, pre-install rules, wall framing, profile selection, mounting sequence and long-term maintenance.



AT A GLANCE

Panel size

1860 × 140 mm

Thickness

12 mm / 18 mm

Fire rating

Euroclass B (highest)

Treatment

THERMO (heat-modified)

Indoor / Outdoor

Outdoor-rated

Tools & Materials

Before you start, gather the tools below. Quality of installation depends on accurate measurement, level alignment, and pilot-drilling



Saw

For cutting panels to length



Mallet

Rubber, for soft-tap seating



Measure

Tape, pencil & stop-square



Battens

Wood or aluminium sub-frame



Level

Spirit, vertical & horizontal



Drill

Pilot holes & clip mounting



Screws

Stainless A2/A4 exterior-grade



Clips

BG-CLIPS, concealed mounting

 All clips, screws and tools must be corrosion-resistant when used outdoors — stainless A2 minimum, A4 in coastal environments.

Important Pre-Install Rules

1

Storage before install

Keep panels in a cool, dry, shaded place — out of direct sun and moisture. Damage caused by improper storage is not a valid claim.

2

Substrate condition

Wall must be clean, flat and structurally sound. If there is no solid masonry to fix into, anchor the battens firmly to the building's main structure per local building code.

3

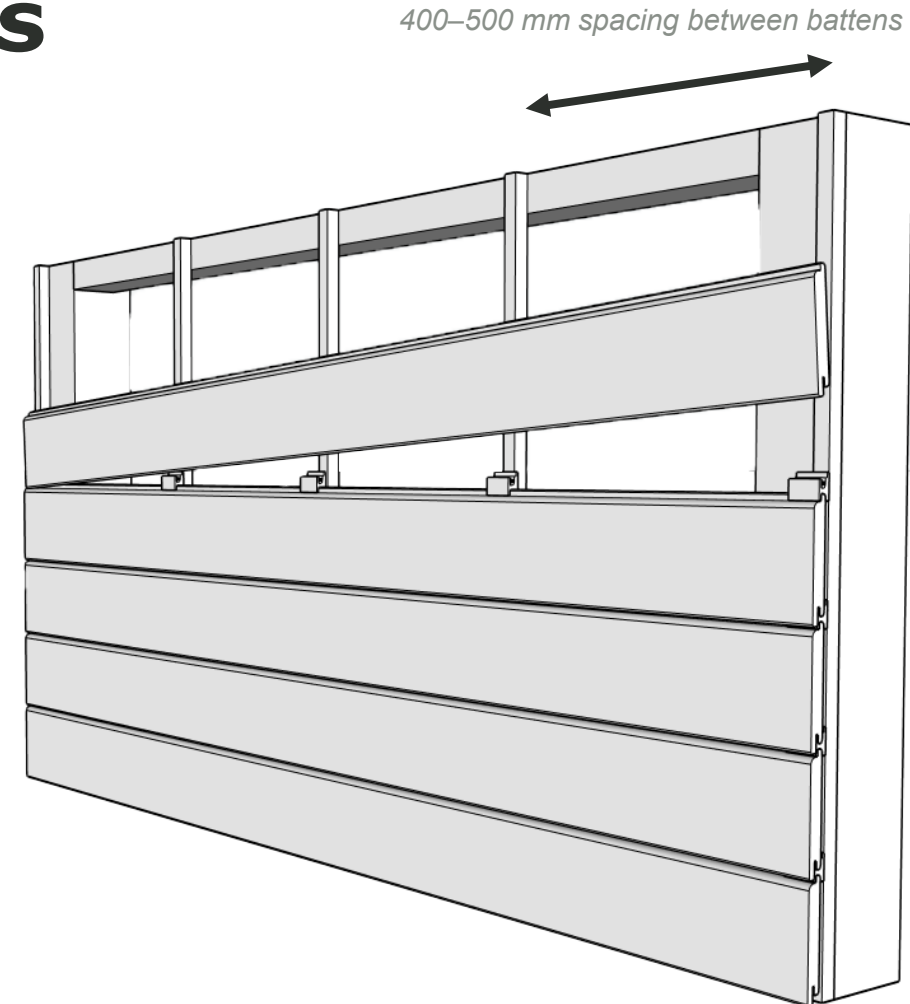
Batten spacing

Distance between battens must be 400–500 mm. For 1860 mm panels you need a minimum of 5 battens.

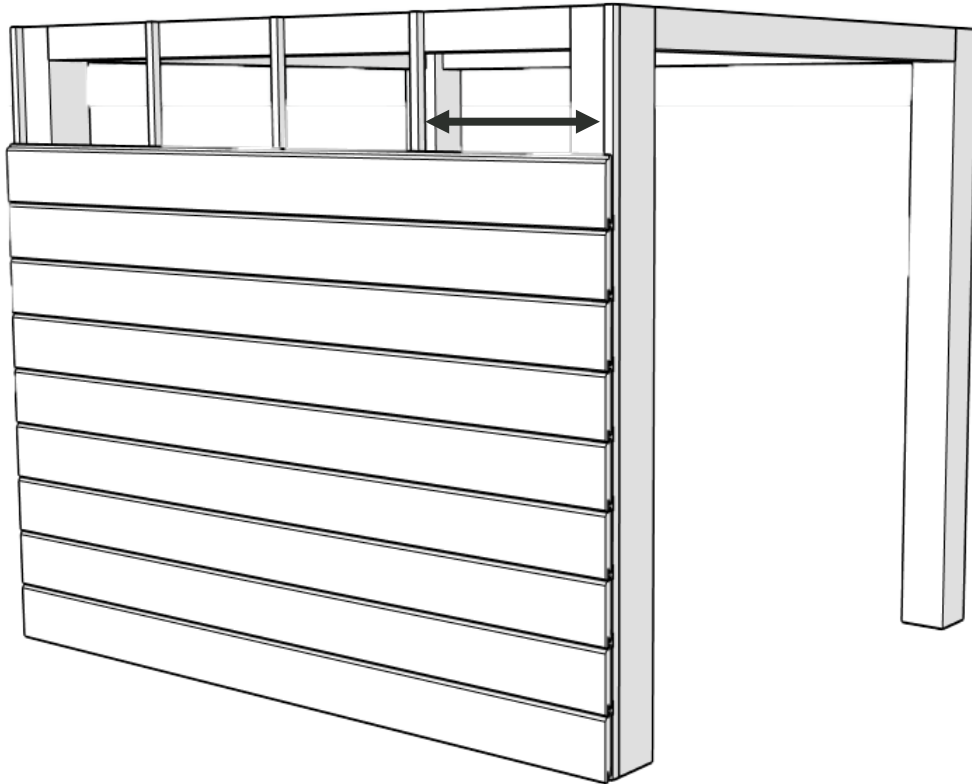
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Moisture before install

Both the wall and the cladding must be dry before installation begins. Do not install on damp surfaces.



Wall Frame Construction



Wall frame with battens at 400–500 mm spacing

400–500 mm

Centre-to-centre distance between vertical battens. Tighter spacing for heavier 18 mm panels and exposed/windy locations.

≥ 5 battens

Minimum number of supports for a 1860 mm panel. Always plan an extra batten at panel ends and corners.

20–30 mm

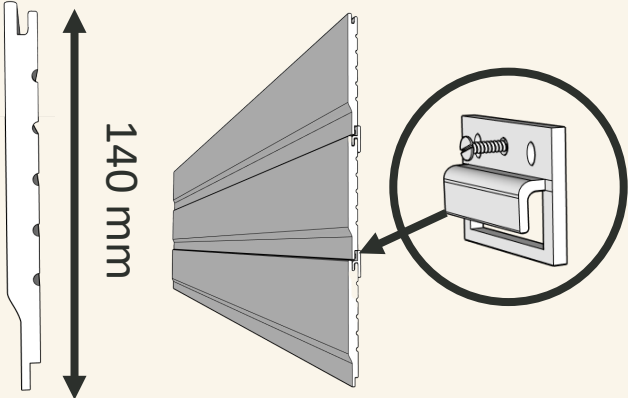
Recommended air cavity behind cladding for ventilation and moisture egress. Critical for outdoor longevity.

Plumb & level

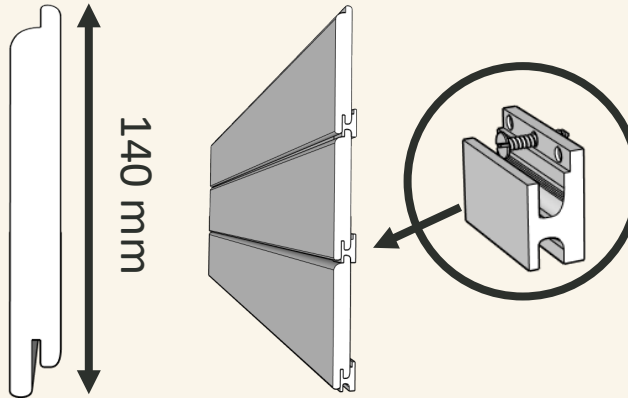
Check both vertical and horizontal alignment before any panel goes up. A 5 mm error at the bottom becomes 30 mm at the top.

Profile Types — BIE-1 to BIE-4

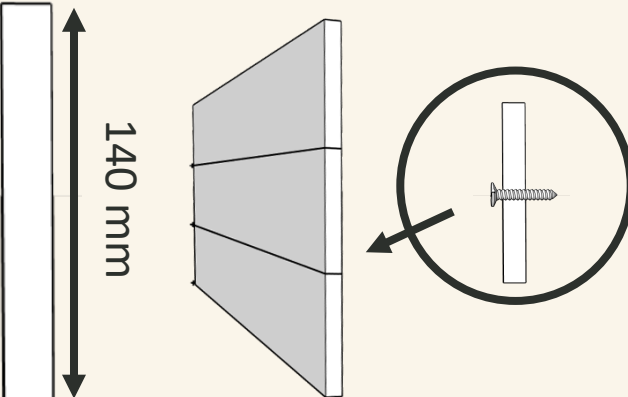
Four panel profiles share the same THERMO bamboo core and brandklasse B fire rating. They differ only in face geometry and clip system. All are available in 12 mm and 18 mm thicknesses.



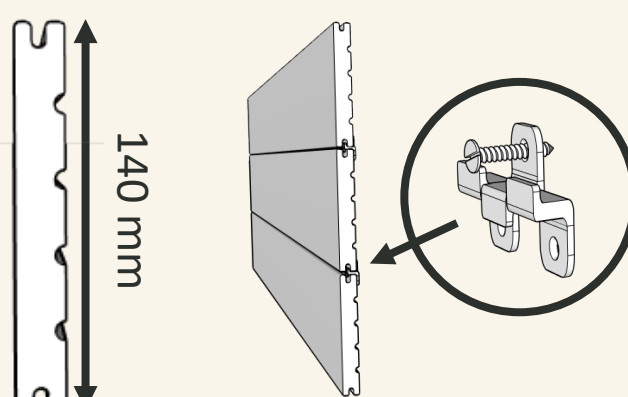
BIE-1
140 mm wide, square groove
Classic shadow-line look. Hidden stainless clip mounted in groove with screw to batten.



BIE-3
140 mm wide, V-groove
Open V-joint between panels. Same hidden clip as BIE-1, screws into the panel groove.



BIE-2
100 mm wide, narrow profile
Narrow panel for tighter visual rhythm. Face-screwed (head visible) — pre-drill required.



BIE-4
140 mm wide, click-clip
Sprung click-clip system. Two-part clip nests into adjacent panel grooves — fastest install.

Installation Sequence

1

Bottom-up direction

Always install panels from bottom to top. Start by fixing the first panel to the lowest batten.

2

Clip into the groove

Set the clip's raised lip into the panel's groove and screw the clip flat against the batten.

3

Corner battens

At external corners, place battens at the correct angle as shown in the diagram. Don't compromise the right angle.

4

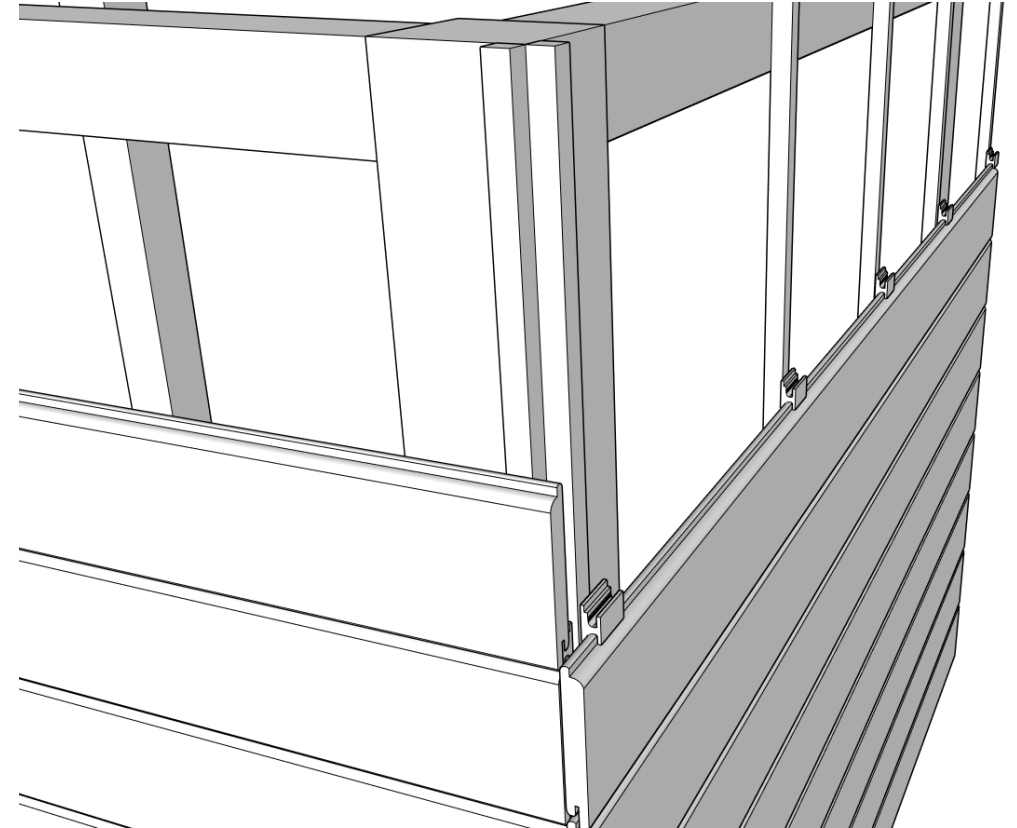
Hidden-clip placement

Place each clip on the batten so it is not visible from the side. Always check after every 2–3 panels.

5

Maintain 1 mm gaps

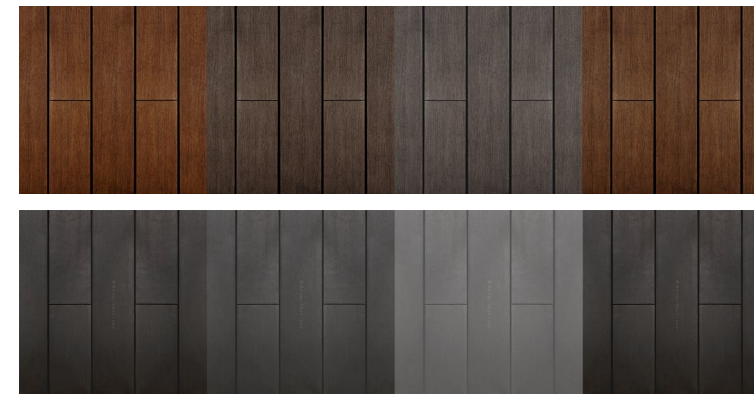
Leave 1 mm between panel ends for hygro-expansion (see profile detail page). Use a spacer for accuracy.



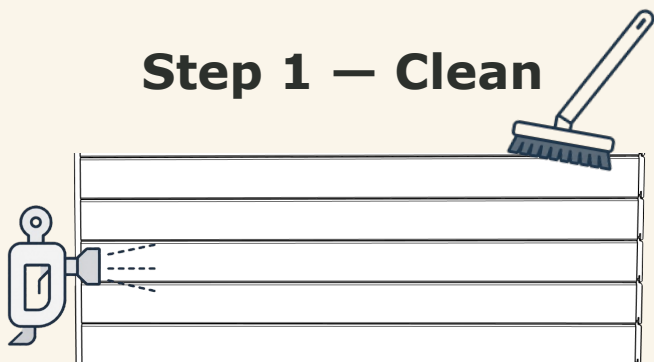
Corner detail — battens meet at right angle, clips hidden from side view

Maintenance Routine

*First maintenance is required immediately after installation — then every six months.
Apply a water-based exterior oil after cleaning to keep the original colour and protect the panel surface.*



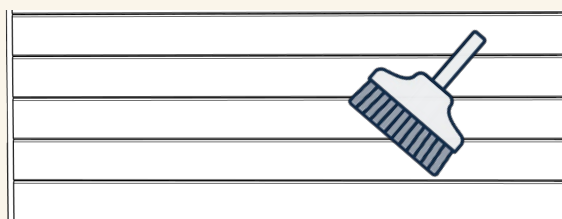
Step 1 — Clean



Rinse panels with water or a dedicated bamboo cleaner to remove mould, dust and debris. Brush surface afterwards.



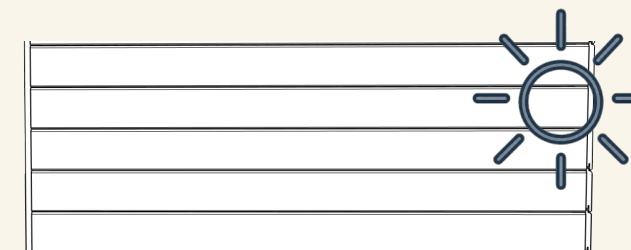
Step 2 — Oil



Let panels air-dry naturally, then apply a thin even coat of water-based exterior oil with a wide brush.



Step 3 — Cure



Protect the treated surface from rain or contact until the oil has fully cured naturally — typically a sunny day.



Without re-oiling, panels will naturally silver-grey over 1–2 years — this is cosmetic, not structural. Maintenance is for colour retention only.

THANK YOU

Questions about the install?

Reach out to our team — we offer technical support, batten-spacing checks, and advice for projects.

BAMBOO CONSTRUCT

Get in touch



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