BTO WOOD FINISHING

+1 (954) 226-8639 · WhatsApp +55 62 99284-9094
www.btowood.com

INSTALLATION MANUAL · SLATTED WOOD PANEL

Solid cumaru, tauari and teak slats, for walls, ceilings and facades

INSTALLATION SYSTEM

BTO pieces are made of **legal solid wood**, kiln dried and machined on German equipment. Each piece has a **visible face** (2, 4 or 8 cm) and a **1 cm rabbet**, which forms the reveal when it fits into the next piece. Installation is done over **wood battens**, with **PU adhesive and brads**. Each piece has its own grain and tones. We recommend installation by a qualified professional, especially outdoors.

WHERE TO USE EACH WOOD

Wood	Indoor	Covered outdoor	Uncovered and facade
Cumaru	✓	✓	✓
Tauari	✓	✓	✗
Teak	✓	✓	✓

1. RECEIVING AND ACCLIMATIZATION

- Before installing, leave the pieces **at the job site for at least 72 hours**, out of the boxes, in a covered and ventilated place, so the wood adjusts to the humidity of the room.
- Only install once the building is closed and dry: plaster, filler, drywall and paint already dry.

2. BASE PREPARATION

- ✓ Wall or slab **solid, dry and clean**, free of dust, loose parts, moisture or leaks.
- ✓ Fix **treated, dry wood battens** crosswise to the pieces (vertical pieces, horizontal battens), spaced **30 to 45 cm** apart.
- ✓ Screw the battens with wall anchors and **level all of them** before starting. Where the wall dips, shim the batten: it is what keeps the panel flat.
- ✗ Do not install the pieces directly on the wall, without battens, or on walls with moisture or leaks.

Quick test: place an aluminum straightedge over the battens. If there is a gap larger than 1 mm, shim before installing.



2x1 tauari slatted panel.

3. FINISH BEFORE INSTALLING

- **Unvarnished pieces:** apply varnish to **all faces**, including the back and the ends, **before installation**, and allow to dry completely. Outdoors, use **exterior varnish** (marine, PU or similar).
- **Factory-varnished pieces:** varnish the ends cut on site before installing.
- Sort the pieces by tone and spread the tones across the wall.

4. INSTALLATION

1. **Layout:** set the starting point and direction of installation and align the first piece with the level or plumb line.
2. **Adhesive:** apply a bead of PU adhesive on the battens, along the length that will receive the piece.
3. **Fixing:** place the piece on the battens and fix it with the nailer, with **one brad on each batten**.
4. **Fitting:** fit the next piece into the rabbet of the previous one, without forcing, keeping the 1 cm reveal even across the wall.
5. **Joints:** on walls longer than the piece, stagger the joints, always with the end resting on a batten.
6. **Check:** check level or plumb every three or four pieces and correct small deviations right away.

Gap: leave **1 cm** between the panel and the side walls, for expansion. Solid wood expands and contracts with the weather; without a gap, it may buckle.

INSTALLATION MANUAL · SLATTED WOOD PANEL (continued)

Solid cumaru, tauari and teak slats, for walls, ceilings and facades

5. ON THE CEILING (WOOD CEILING)

The BTO solid wood ceiling uses the same pieces. On the ceiling:

- Fix the battens to the slab or the roof structure, spaced **30 to 45 cm** apart, all leveled with a laser level. The wood goes directly on the battens, without drywall boards.
- Install the pieces with PU adhesive and one brad on each batten, always staggered, with a 1 cm gap at the sides for expansion.
- Balconies and eaves: first check there are no drips, leaks or water coming from the roof.
- Do not hang light fixtures directly on the pieces: use a proper support fixed to the slab or structure.

6. OUTDOOR AREAS AND FACADES

- Facades and uncovered areas: **cumaru or teak only**. Tauari is for indoor and covered outdoor areas.
- Exterior varnish on all faces, before installation.
- Treated wood battens. We recommend galvanized or stainless steel brads and screws: plain steel rusts and stains the wood.
- Do not let the wood touch the ground, planters or standing water.
- The batten space lets air flow behind the pieces: do not close this gap completely.

7. FINISHING

Remove excess adhesive right away. Clean the surface with a dry cloth and, if desired, apply a new coat of varnish.

REQUIRED TOOLS

- PPE, tape measure, pencil, level and plumb line (laser level on ceilings)
- Miter saw, preferably electric
- Drill or screwdriver, screws and wall anchors for the battens
- Treated wood battens and shims
- PU adhesive, compressor and pneumatic brad nailer with brads
- Varnish, brush or roller and cleaning cloth

TECHNICAL SHEET

Wood	Solid and legal, with DOF (Brazilian Forest Origin Document): cumaru (Dipteryx odorata), tauari (Couratari spp.) or teak (Tectona grandis)
Process	Kiln drying, Weinig machining and sanding; with or without factory varnish
Models	2x1, 4x1 and 8x1: 2, 4 or 8 cm face with 1 cm rabbet (3, 5 or 9 cm piece)
Sizes	10 or 15 mm thick · 2.00 m pieces
Per box	2x1: 0.6 m² · 4x1: 0.8 m² · 8x1: 0.9 m²

Appearance. Grain, streaks and knots typical of each species. Brown, dense cumaru; light, even tauari; teak with strong grain. Tone varies by batch.

Storage. Pieces flat, evenly supported, off the floor, in a covered, dry and ventilated place, with nothing on top.

CLEANING AND MAINTENANCE

- Clean with a soft cloth lightly dampened with water; if needed, mild soap, then dry. Do not use abrasives, solvents or bleach.
- Reapply varnish as often as the varnish manufacturer recommends. Outdoors, with sun and rain, maintenance is more frequent. When the varnish loses its gloss or water stops beading, it is time.
- Over time, light changes the tone of the wood. This is natural: with light sanding and new varnish, it looks new again.

IMPORTANT: failure to follow these instructions may compromise the bond and durability of the product and void the warranty. For questions, contact our technical support.

WARRANTY TERMS · SLATTED WOOD PANEL

Solid cumaru, tauari and teak slats, for walls, ceilings and facades

WARRANTY TERMS

1. Scope. These terms apply to the BTO solid wood slatted panel and ceiling, in cumaru, tauari and teak. The factory warranty covers:

- pieces bent or warped beyond tolerance due to a manufacturing fault;
- pieces smaller than stated on the invoice;
- profile machining defects (face or rabbet);
- varnish application defects, on pieces bought with factory varnish.

Remember: an installed product is considered ACCEPTED.

2. Claims. BTO responds within 7 business days to anyone who registers a claim with customer service. Contact must be made by the customer holding the purchase invoice (retailer, reseller or distributor).

3. Technical assistance. Within 30 business days after notification, BTO may, at its discretion: replace the product, replace the defective part or repair the product.

4. The warranty does not cover:

- installation other than as shown in this manual;
- irregular base or battens not leveled;
- misuse, impact or maintenance other than as recommended;
- loss of gloss and slight tone variation between sample and product;
- natural variation in color, grain, streaks, knots and small end checks, typical of solid wood;
- wood movement (expansion and shrinkage) in pieces installed without acclimatization or without the recommended gap;
- color change from light and varnish wear from sun and rain, without the recommended maintenance;
- tauari installed in uncovered areas or on facades;
- installation without battens or without varnish before installation;
- moisture coming from the wall, slab or roof (leaks or drips);
- pieces stored outdoors or in damp places before installation;
- stains caused by nails, brads or screws that rust.

5. Term. 5 years from the date of the purchase invoice.

BTO is not responsible for product installation. BTO may update this document without prior notice.

Chat on WhatsApp View on website ↗