

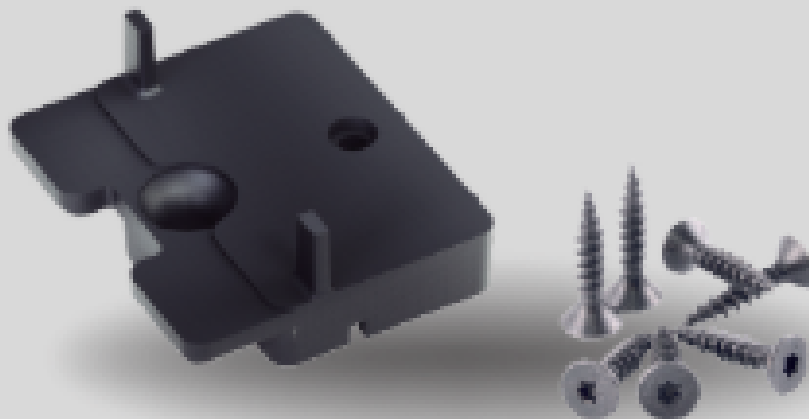


MIBAWOOD
The Wild Company



EN

INSTALLATION MANUAL tropical hardwood boards



INVISIBLE INSTALLATION
MIBAFIX 19 and 25 mm

INVISIBLE FIXING SYSTEM FOR TROPICAL WOOD BOARDS

MIBAFIX

MibaFIX® is an invisible fixing system that helps extend the lifespan of decks by promoting optimal ventilation of the decking.

ADVANTAGES Completely invisible system.

It extends the lifespan of the deck by facilitating good ventilation of the boards.

It allows for easy replacement of boards.

Ideal for the installation of decks, terraces, solariums, swimming pools, etc.

Fixing screws: Silverplus® treatment (high corrosion resistance) and Lubex® treatment (facilitates screwing).

RECOMMENDATIONS

Flooring intended for pedestrian use only.

For outdoor use only.

Not suitable for composite flooring.

INSTALLATION

Tropical hardwood battens with a maximum width of 40 mm.

CHARACTERISTICS

Material: Recyclable reinforced polypropylene.

Color: black.

Dimensions: 50 x 44.6 x 20 mm.

Weight: 15 g.

Screws: 6 x 25 mm (TX25) / steel.

Resistant to temperatures from -30°C to +60°C.

Resistant to UV rays and frost.

CONDITIONING

Box of 134 fixings + 200 screws (6 x 25 mm.)

Kit for 19 mm thick boards



**1 Kit = 2,2
m²***

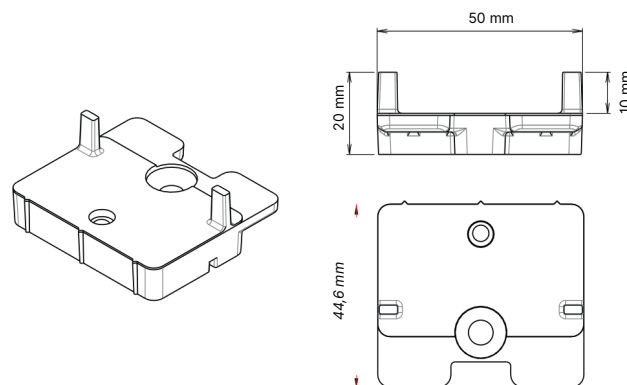
*board width 90 mm

Kit for 25 mm thick boards



**1 Kit =
3,7 m²***

*board width 120 mm



MibaFix is an invisible fixing system that ensures a clean and uniform finish in outdoor spaces. It helps extend the lifespan of deckings by promoting optimal ventilation of the boards.

REQUIRED MATERIALS

Use tools specifically designed for hardwoods.
Pre-drill tropical hardwood before screwing.

Materials and tools for battens:

- Ø4 mm drill bit (hardwood) for drilling the battens.
- Ø5 × 60 mm screws to fasten the battens to the substructure.

Materials and tools for decking boards:

- Torx TX25 drill head (for MibaFix screws).
- Ø4 or Ø5 mm drill bit for pre-drilling the boards.
- Mitre saw with 62-tooth blade for cutting battens and boards.
- Pliers or pincers.
- Angle grinder, rotary tool, or saw to cut MibaFix fasteners and obtain half pieces.
- Board spacer of 4 or 5 mm (can be made from batten offcuts).
- Spirit level.
- Countersink drill bit if a lateral finish is required.

TIPS / RECOMMENDATIONS

Tropical Woods: All tropical woods are heavy and dense, requiring powerful, high-quality tools for handling.

Battens: Use tropical hardwood battens of the same or higher density than the decking boards, with a maximum width of 40 mm.

Wood Acclimatization: As a living material, the wood must acclimate. Place the boards in the installation area, without direct contact with the ground, 48 hours prior to final handling.

Subfloor: Ensure the subfloor is clean, dry, and level. Use mortar, plots, or shims to correct irregularities. The subfloor moisture should not exceed 12% (recommended).

Use of Plots: Using plots allows the installation of tropical hardwood decks with leveling adjustments, without major construction work. They provide a simple height adjustment, a sturdy structure, and ensure proper ventilation between the subfloor and the decking boards.

Slope: The decking must have a minimum slope of 1.5% towards the outside to prevent water accumulation.

Board Spacing: The spacing between decking boards should be 4–5 mm.

Deck Structure: Depending on the thickness of the decking boards, respect the following spacing between battens :

Board thickness	Max. distance between battens
19 mm	40 cm
25 mm	50 cm

The explanations provided here are given as examples; other installation techniques are possible.

Installation on a concrete slab: Ensure that the waterproofed concrete slab is properly leveled and has a slope of 1.5% for water drainage.

1. Place the tropical hardwood battens in the direction of water flow.
2. Fasten the battens, respecting the spacing between them.
3. Attach the decking boards to the tropical hardwood battens.

Installation on a draining subfloor: Prepare the ground so that it is properly leveled and remove 15–20 cm of topsoil. Lay a geotextile sheet at the base to prevent weed growth. Fill with stabilized material of varying particle sizes and place adjustable plots to support the battens; everything must be properly leveled. Ensure a slope of 1.5% to prevent water accumulation.

1. Place the tropical hardwood battens in the direction of water flow.
2. Fasten the battens, respecting the spacing between them.
3. Attach the decking boards to the tropical hardwood battens.

Note on the color of tropical hardwoods: Tropical hardwoods, regardless of species or original color, develop a stone-gray tone over time due to exposure to UV rays and ambient humidity. This natural aging process does not affect the wood's structural properties. To maintain the wood's color, it is essential to apply a protective treatment that nourishes and moisturizes the wood (MibaProtect), preserving its natural color for longer and protecting it from solar radiation.

PRECAUTIONS

It's essential to clean the deck regularly to prevent mold growth. Wet wood is slippery. Be careful when walking on a damp deck.

The use of grooved boards is recommended on stairs or pool edges to prevent slipping.

Regularly check for splintering.

Cleaning precautions to avoid: High-pressure cleaners are not recommended, as they can cause splintering due to the detachment of wood fibers. Do not use corrosive products that could damage the wood.

SAFETY

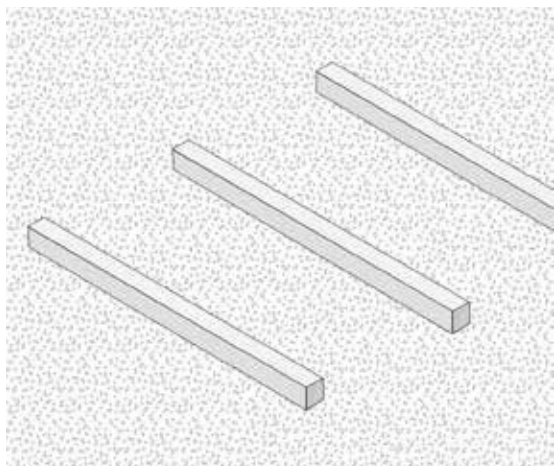
During the installation process, it is recommended to use safety glasses and protective gloves.

IMPORTANT NOTE

It is recommended to make a placement plan before starting the installation to anticipate:

- The cutting plans
- The installation with or without joints in the boards
- The center-to-center distances (between battens or boards).

1. INSTALLATION



Build the deck substructure using tropical hardwood battens of the same or higher density than the decking boards (maximum width 40 mm), placed on plots or shims.

Depending on the thickness of the decking boards, respect the following spacing between the battens:

Board thickness	Maximum distance between battens
19 mm	40 cm
25 mm	50 cm

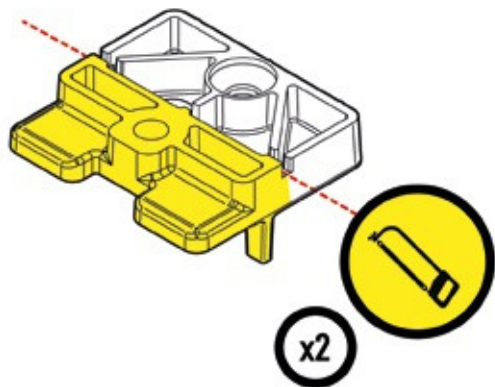
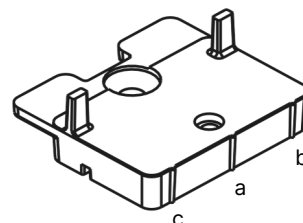
For more information on preparing the structure with plots, please refer to the document "Tips for installing a wooden deck".

2. PREPARATION OF THE FIXINGS

The three lines located on the side of the piece (a, b, c) are used to align and mark the center line of each beam on the boards.

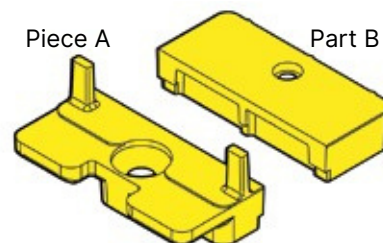
a: marks the center of the fixing.

[bc]: indicates the beam's width. The stops on the piece are used to position it and mark its location before screwing in the fixings.

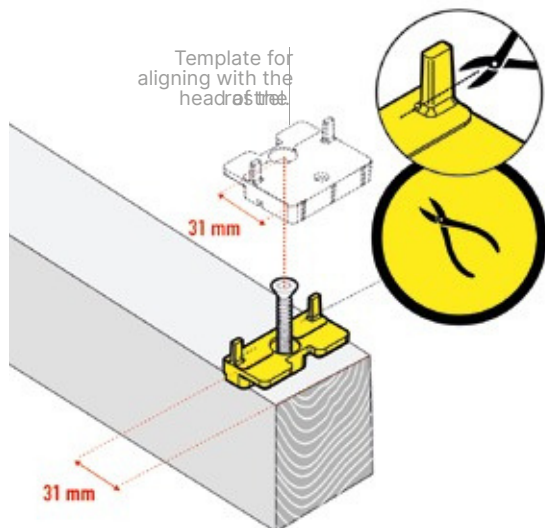


For each batten, cut 2 fixings to obtain 2 half pieces.

Use a saw.



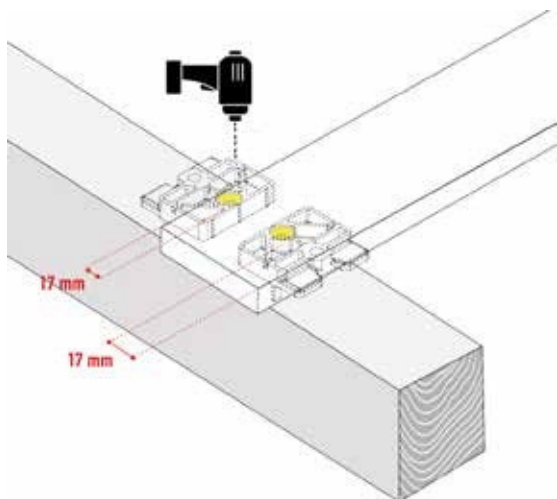
3. PREPARATION OF THE BATTENS



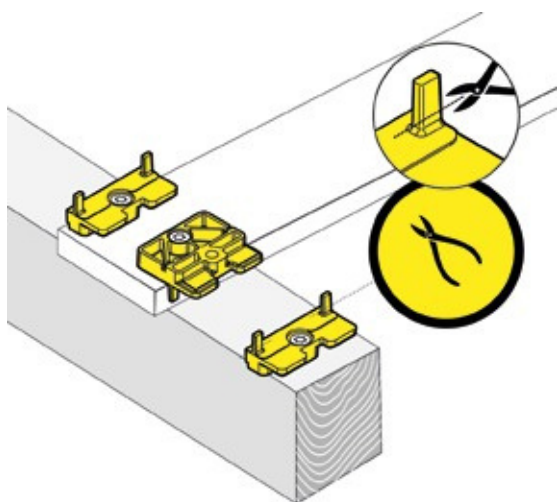
- Pre-drill and screw the half fixing (part A) onto the batten 31 mm from the edge using the screws provided (6x25 or 6x30 depending on the thickness of the boards). A complete fixing can serve as a template for pre-drilling 31 mm from the end of the batten (see diagram).

- Cut off the 2 stops of the half fixation (piece A).

4. INSTALLATION OF THE 1ST BOARD

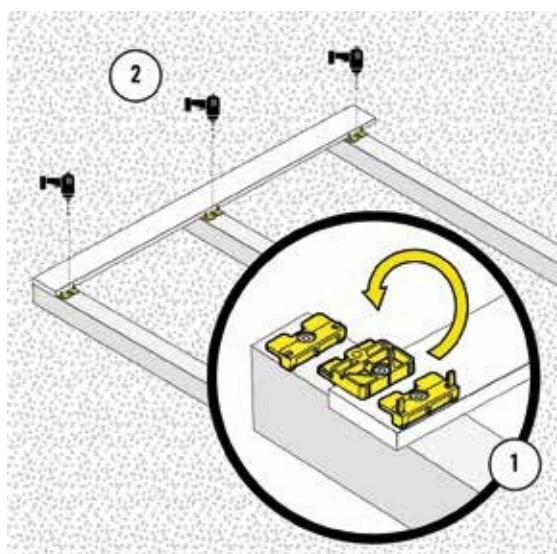


- Pre-drill all boards 17 mm from the edge. The fixing can be used as a template on the slat (see diagram). Drilling: Ø4 - 15 mm deep.



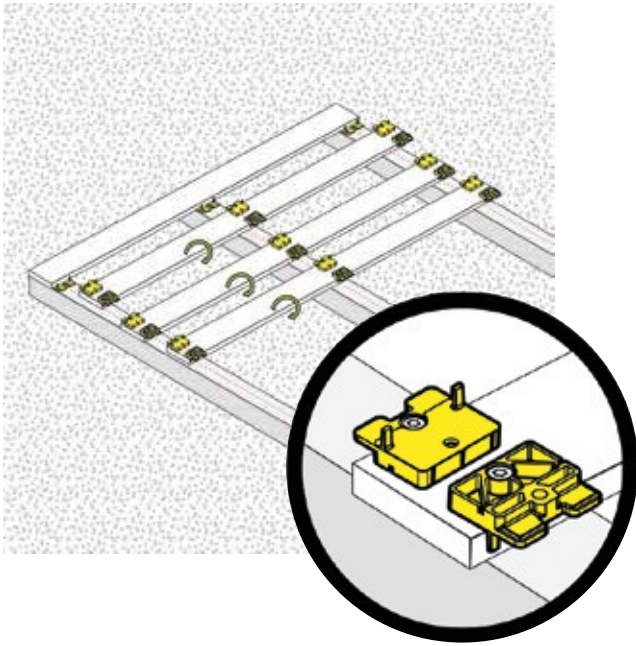
- Screw one full fixing and one half fixing (piece A) to the first slat.
- Cut off the 2 stops of the half fixation (piece A).

5. FIXING THE 1ST BOARD



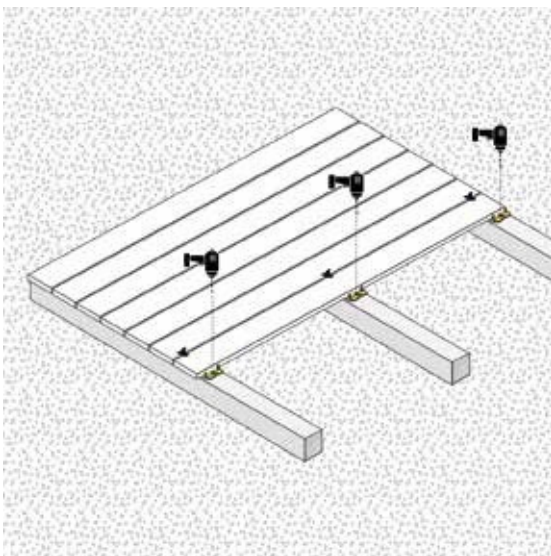
- Turn the slat over (1).
- Slide it onto the frame until the fixings click into place.
- Screw the fixings to each batten using the screws provided (2).

6. PREPARATION OF THE REMAINING BOARDS



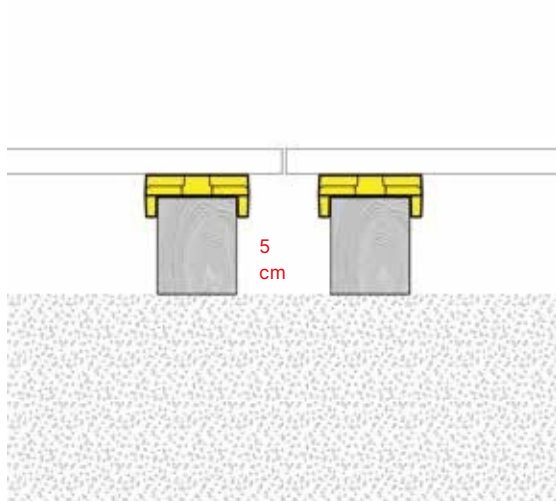
- Place all the decking boards upside down on the structure.
- Draw a line that represents the central axis of the battens.
- Pre-drill and screw the fixings to the boards on the back and in the center of each board. Repeat the operation for all boards.

7. FIXING THE BOARDS



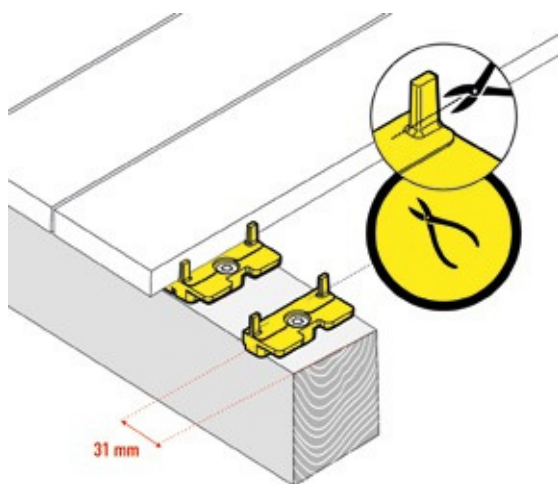
- Turn the boards over.
- Slide the boards onto the structure, fitting them against the previous board and respecting a regular spacing of 4 to 5 mm between them (using spacers).
- Screw the fixings to the batten. Repeat the operation for all the boards.

SPECIFIC CASE: JOINT OF BOARDS



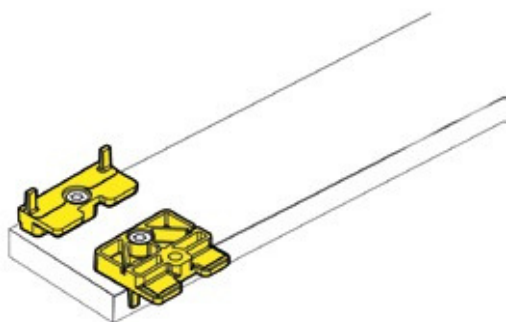
- Perform a double battening at each slat joint.
 - Attach the fixings as with the other battens.
- Inside distance between battens: 5 cm.

8. Preparation of the decking termination



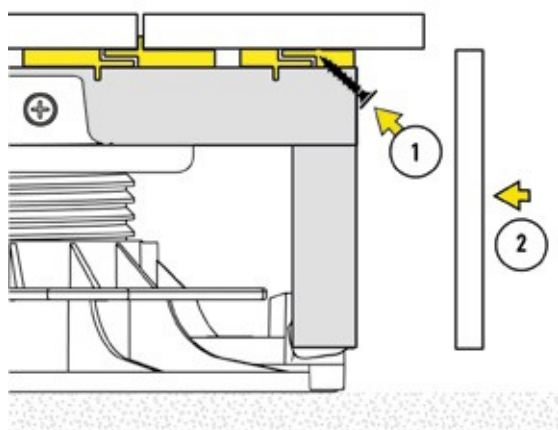
- Place a half fixing (part A) 31 mm from the edge of the batten. A full fixing can serve as a template for pre-drilling (see step no. 3).
- Cut the stops with pliers.

9. SECURING THE LAST BOARD



- Screw one full fixing and one half fixing (piece A) to the last board.
- Turn over and place the last board.

10. DECKING TERMINATION



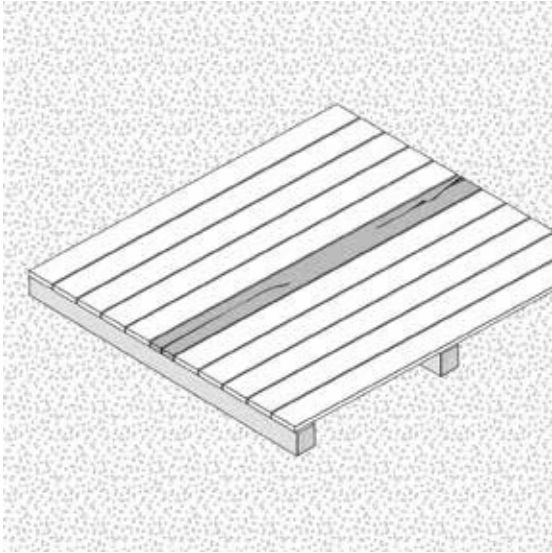
For the final finishing of the decking, there are many options.

Below, we show you the most common:

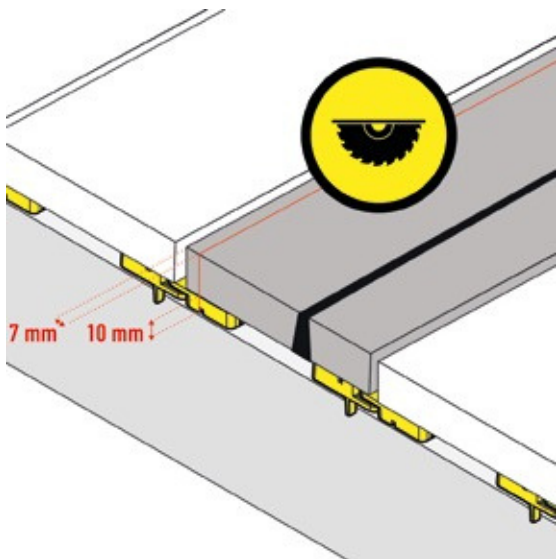
To fix the last board, place a screw (e.g., a Ø4 wood screw) diagonally, so that it passes through the batten and reaches the fixing point, thus locking the set of boards(1).

Place a support for the side cladding on the base of the platform and a vertical batten against it. Finally, fix the board(2) to the batten using 2 screws.

REPLACEMENT OF A DEFECTIVE BOARD

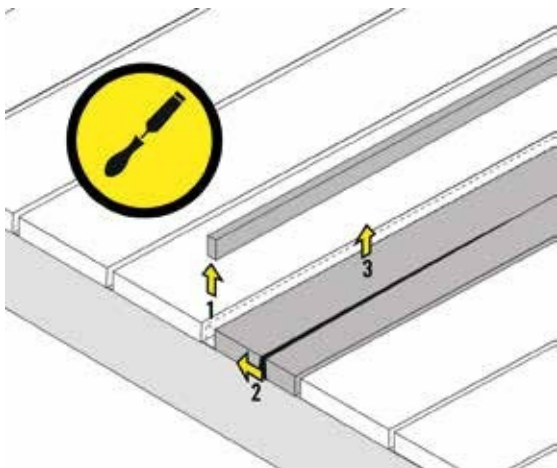


MibaFix allows you to replace a defective board without removing other boards. Follow the instructions below:



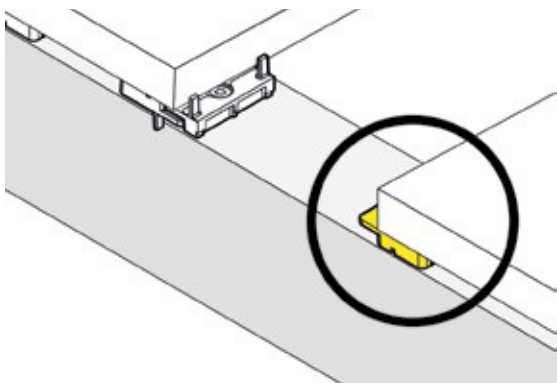
1

Cut the defective board 7 mm from the edge and to a depth corresponding to the thickness of the board plus 10 mm for the fixing. Adjust the saw height to 10 mm, adding the thickness of the board.



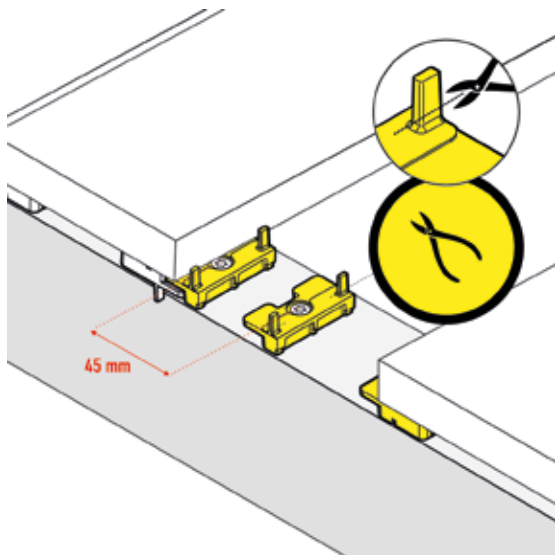
2

Remove the cut part with a chisel and remove the board following the steps in the diagram (1,2,3)



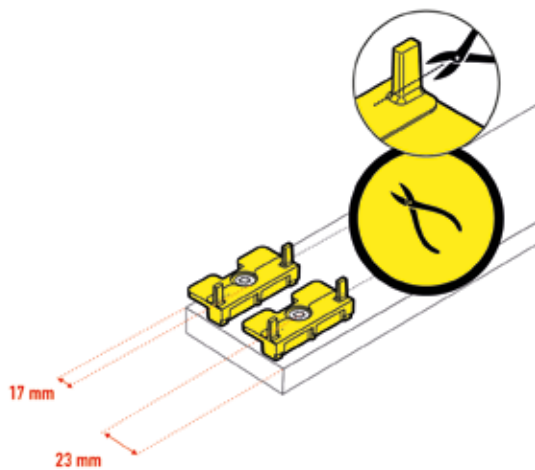
3

If this part has been damaged during disassembly, remove the entire board and replace the part.



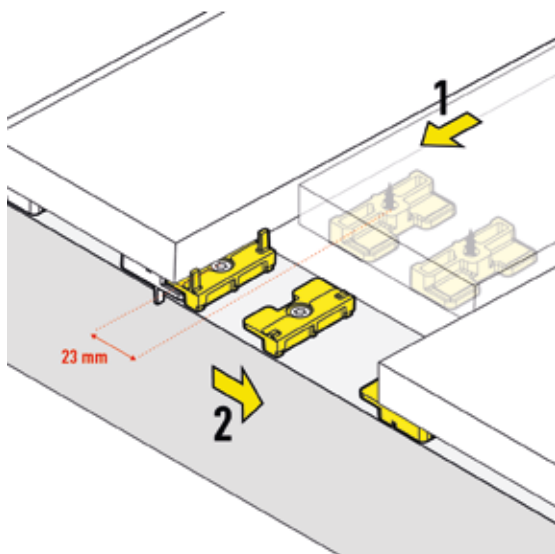
4

Attach a half-fixture (part A) to the batten, 45 mm from the edge of the slat (see diagram). Cut the stops with pliers.



5

Prepare the new board by placing the half fixings (parts A) as shown in the diagram. Cut off the ends of all the fixings with pliers.



6

Turn the board over and slide it into place, following the order of steps 1 and 2 indicated in the diagram.