

Installation instruction MOSO® Bamboo X-treme® 'closed cladding' - HORIZONTAL

important

- The MOSO® Bamboo X-treme® outdoor cladding board is a natural product, and some variation in colour, grain and appearance is normal. Colour can change fast from dark brown to brown or grey, depending on the climatic conditions and maintenance schedule.

- Small cracks and splinters on the surface and on the end of the boards can arise from the different drying characteristics of the surface and cross cut ends. The surface will also get rougher over time. This phenomenon is normal for most wood species and is minimized for this product by its patented 'Thermo-Density®' production method. Cracks can be further minimized by applying wax on the ends of the boards.

- Slight dimensional change or cupping of the boards can occur after installation. This phenomenon is normal for most wood species and is minimized for this product by its patented 'Thermo-Density®' production method.

- We recommend applying end sealer wax on every (cut) end to prevent water penetration. End sealer wax is available as an accessory.

Before installation

Depending on your climate and local construction guidelines, apply a waterproof membrane and screw vertical battens (at least 20 mm thick) onto that, creating a rigid/flat surface onto which the boards can be fixed. The maximum distance between battens can be 616,7 mm (=1850/3). At the edges of the cladding, keep a distance of 7-10 mm from adjacent materials, to allow for sufficient ventilation. As there is no ventilation between individual boards, openings (min. 200 mm² / m² facade) should be foreseen at the top and bottom of the facade (see diagram 1). In the top of the facade a rooftrim should be installed to avoid direct (rain)water in the cavity. As dimensional change (due to humidity differences) of MOSO® Bamboo X-treme® is limited, there is no need to add dilatations other than those already existing in the building.

Step 1: install first row

- The top side of the board can be identified by the small groove to position your drill (see diagram 4).

- Start with the lowest row of boards and make sure they are placed fully level (using a spirit level).

- To fix the bottom edge of the board there are 2 commonly used options (see diagram 3):

- Face screw
- Polymer glue (consult your local supplier for recommended types of glue)

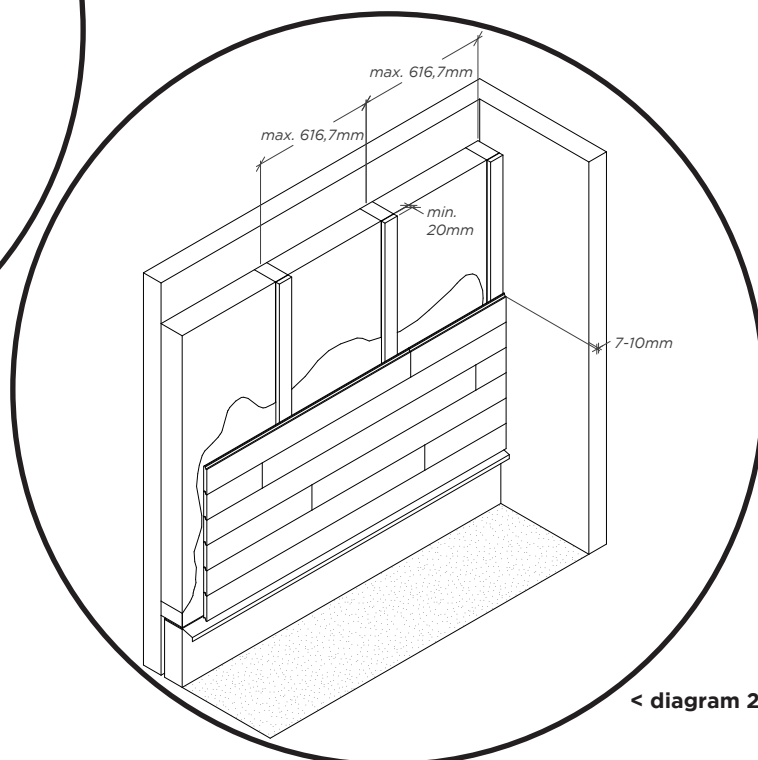
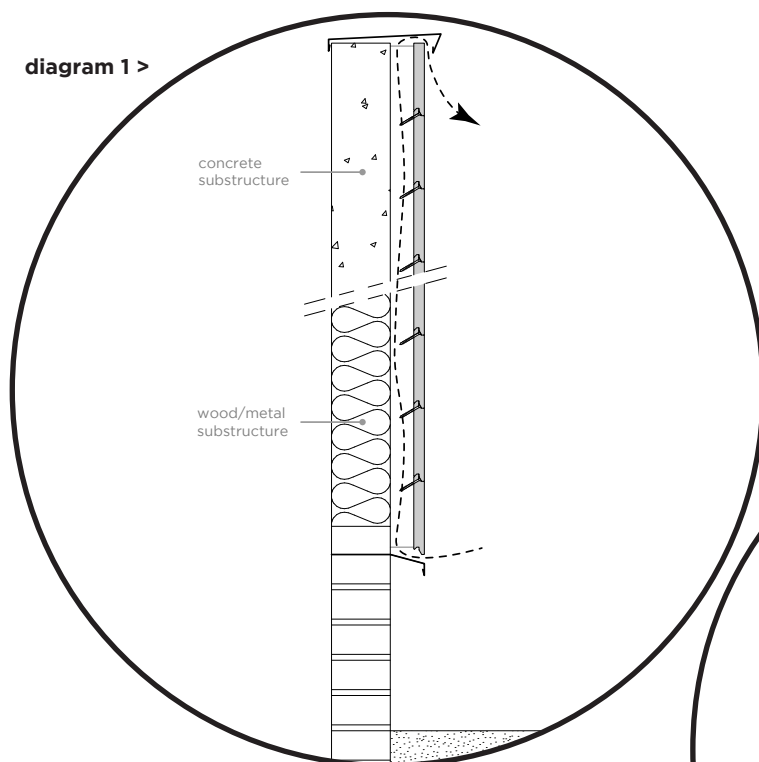
- If the sub structure is soft wood, predrilling & countersinking the bamboo is enough. If the sub structure is hardwood/ bamboo, also predrill the sub structure.

- Position your drill in the groove on the topside of the board and drill a hole under 30° angle with sufficient diameter (diameter drill ≥ diameter screw).

- As screws are not in direct contact with water, galvanized steel screws can be used.

- The maximum distance of battens is given as 616,7 mm (=1850/3), in that case all head sides are fixed onto the center of the battens. Also any other smaller distance is possible, as the position of head sides can be random (boards are interlocked on length- and head sides with a tongue/groove connection). See diagram 2.

diagram 1 >



< diagram 2

Step 2: Install next rows

- Place boards on top of the existing row and make sure no seams/gaps exist between the boards. In case manual pushing is not sufficient, use a rubber mallet to tap boards in place.
- Make sure the ends of the boards close fully and leave no gaps.

diagram 3 >

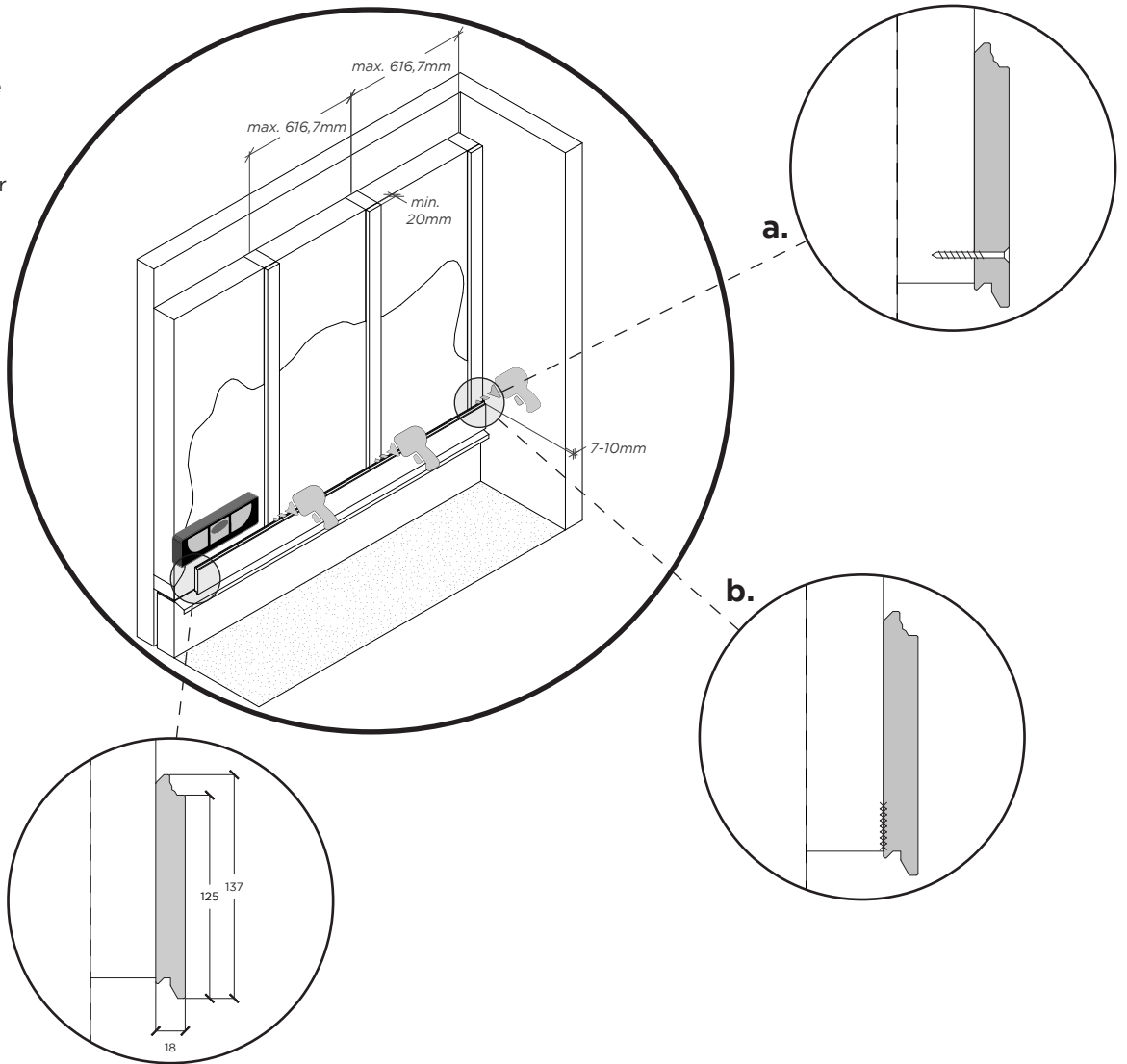
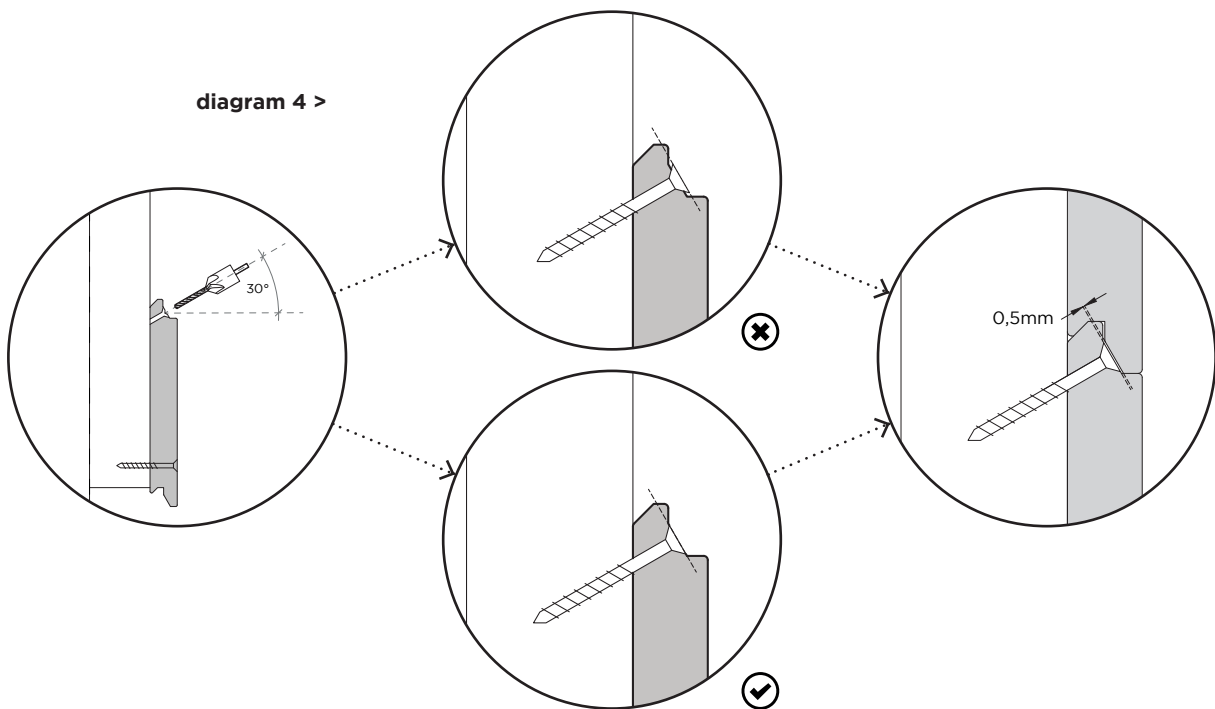


diagram 4 >



Installation instruction MOSO® Bamboo X-treme® 'closed cladding' - VERTICAL

important

- The MOSO® Bamboo X-treme® outdoor cladding board is a natural product, and some variation in colour, grain and appearance is normal. Colour can change fast from dark brown to brown or grey, depending on the climatic conditions and maintenance schedule.

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- Slight dimensional change or cupping of the boards can occur after installation. This phenomenon is normal for most wood species and is minimized for this product by its patented 'Thermo-Density®' production method.

- We recommend applying end sealer wax on every (cut) end to prevent water penetration. End sealer wax is available as an accessory.

Before installation

Depending on your climate and local construction guidelines, apply a waterproof membrane and screw vertical battens (at least 20 mm thick) onto that. On top of these vertical battens, add a set of horizontal battens creating a rigid/flat surface onto which the boards can be fixed. The maximum distance between battens can be 616,7 mm (=1850/3). At the edges of the cladding, keep a distance of 7-10 mm from adjacent materials, to allow for sufficient ventilation. As there is no ventilation between individual boards, openings (min. 200 mm² / m² facade) should be foreseen at the top and bottom of the facade (see diagram 1). In the top of the facade a rooftrim should be installed to avoid direct (rain)water in the cavity. As dimensional change (due to humidity differences) of MOSO® Bamboo X-treme® is limited, there is no need to add dilatations other than those already existing in the building.

Step 1: install first row

- Start with the lowest row of boards and make sure they are placed fully vertical (using a spirit level).

- To fix the side edge of the board there are 2 commonly used options (see diagram 3):

- a. Face screw
- b. Polymer glue (consult your local supplier for recommended types of glue)

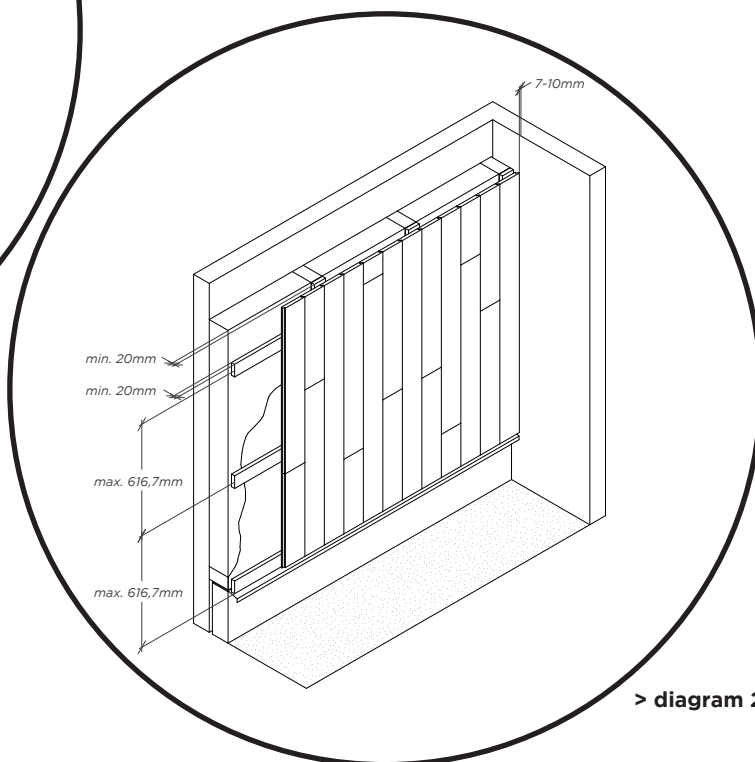
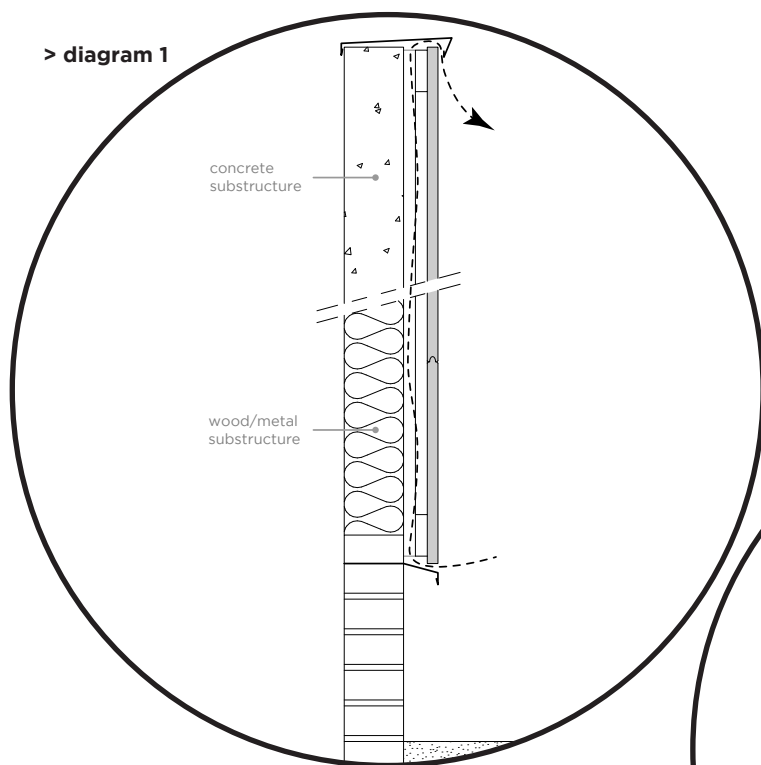
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> diagram 1

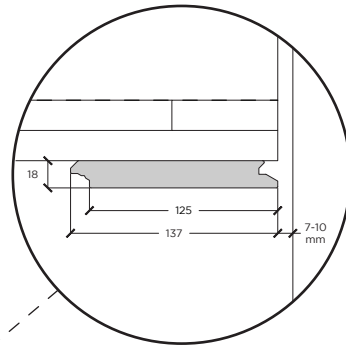
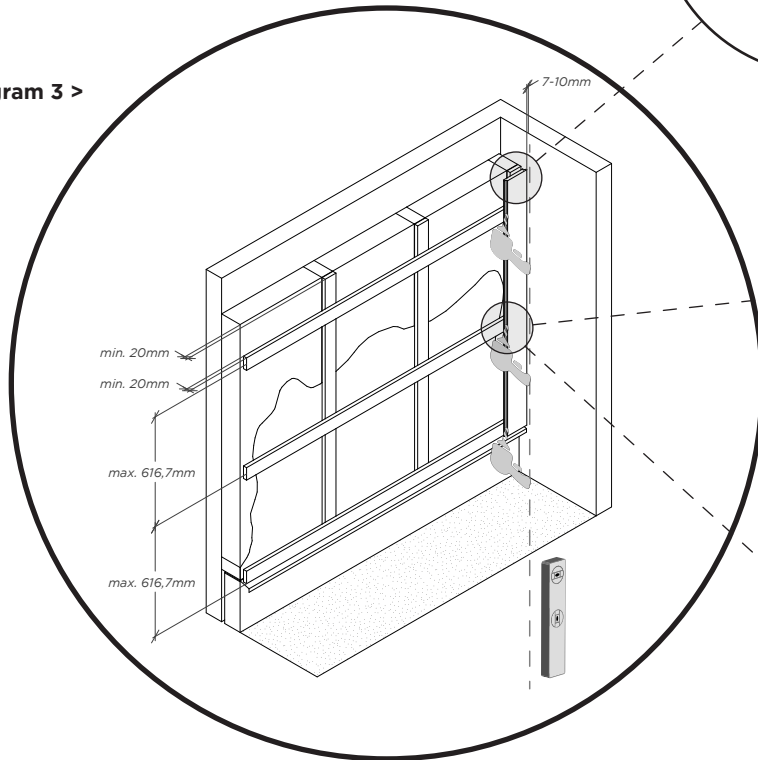


> diagram 2

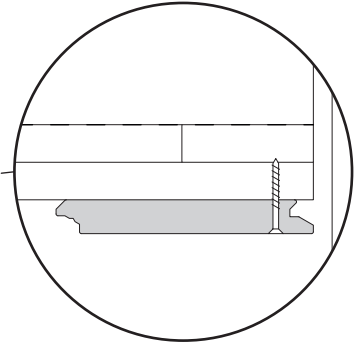
Step 2: Install next rows

- Place boards on top of the existing row and make sure no seams/gaps exist between the boards. In case manual pushing is not sufficient, use a rubber mallet to tap boards in place.
- Make sure the ends of the boards close fully and leave no gaps.

diagram 3 >



a.



b.

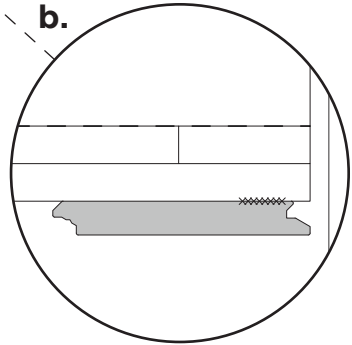


diagram 4 >

