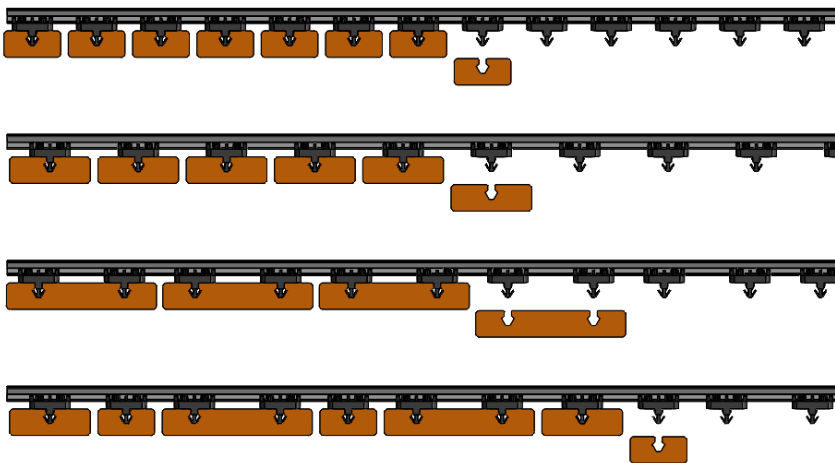


Bamboo X-treme[®] Outdoor Cladding

installation instructions

Grad profiles



MOSO® Bamboo X-treme® Outdoor Cladding

installation instructions Grad profiles

important

- Make sure that the installation of the cladding, including Bamboo X-treme® Outdoor Cladding boards, complies with local building regulations.
- The MOSO® Bamboo X-treme® outdoor cladding board is a natural product, 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 board ends can arise from the different drying characteristics of the surface and ends. The surface will also become rougher over time. This phenomenon is normal for most wood species and is minimized for this product through the unique 'Thermo-Density®' production method. Cracks on the ends can be further minimized by applying sealer.
- Slight dimensional changes or cupping of the boards can occur after installation. This phenomenon is normal for most wood species and is minimized for this product through the unique 'Thermo-Density®' production method.
- We recommend applying sealer on every (cut) end to prevent water penetration. A sealer is available from MOSO®.

before installation

- Fix the Grad installation system following the Grad Cladding Installation instructions and take the MOSO® general cladding instructions below into account. This creates a rigid/flat surface for installation of the boards.
- At the top of the façade, a rooftrim should be installed to avoid direct (rain)water behind the cladding installation.

general installation instructions

- Each board should be fixed to at least 3 rails: so the maximum centre-to-centre spacing between the battens is 616.7 mm (1850 mm/3). Always install the ends of the boards exactly on the Grad clips. Each cut board should be fixed to at least 2 rails.
- If a random joint pattern is desired, the spacing between rails can be maximum 300 mm. Each cut board should be fixed to at least 2 rails.
- Make sure a ventilation gap (7-10 mm) is kept on the edge of the cladding.
- Use stainless steel screws of minimum A2 quality for mounting, when you install a part of the cladding without the Grad system.

vertical installation

- Start with the first row of boards.
- Follow the Grad Installation Instructions and add polyurethane glue onto the lowest row of clips before installing the bottom row boards onto the Grad rails.
- If applicable, ensure the tongue of the board end is positioned upwards, to avoid water staying in the groove.
- Place boards next to the first row. In case manual pushing is not sufficient, use a rubber mallet to tap boards in place.

horizontal installation

- Start with the lowest row of boards.
- Place boards on top of the first row. In case manual pushing is not sufficient, use a rubber mallet to tap boards in place.
- Make sure the ends of the boards are completely closed and leave no gaps.

cleaning and maintenance

You can leave the cladding without any maintenance, but take into consideration that without maintenance and oiling the cladding will develop a rougher, fissured surface that will lighten quicker and become grey (similar to most timber).

If you want to keep a darker colour, regular application of Woca or Sikken's maintenance materials is needed:

- Clean the cladding with water.
- Let the cladding dry.
- When the cladding is completely dry apply the finish according to the supplier's instructions.

normal phenomena

Cracks on the surface and on the ends of the boards can occur due to the different drying characteristics of the surface and board ends.

This does not affect the stability or durability of the board. The surface side of the boards will become rougher over time and can form (small) splinters as a result of continuous water absorption and desorption due to dry and wet weather periods. Dimensional change or cupping of the boards can occur after installation. These phenomena are normal for most hardwood species and MOSO® Bamboo X-treme®.

After installation, there might be some bleeding or leaching of colour from the bamboo material when it gets wet, e.g. when it rains. This possible bleeding is typical for wood and will disappear over time.

The brownish liquid can easily be cleaned from the Bamboo X-treme® material, however controlled water drainage and prevention of splash water is required to prevent any discoloration of surrounding or underlying building components.

storing

Store MOSO® Bamboo X-treme® in a cool and dry place away from direct sunlight, and protected from weather influences, dirt and dust.

additional note

Whilst all due care is taken to ensure the accuracy of the installation instructions, individual circumstances (location, sub structure and installation procedures) may vary and are beyond the manufacturer's control. In case of doubt, therefore, consult the distributor. Always follow the local building code.

MOSO warrants the bamboo material and the mounting materials (screws) it supplies but does not warrantee the connection with other materials (such as sub frame joist/battens). It is the responsibility of the installer to make sure the used screw matches such materials during the full lifetime of the product.

These instructions are subject to change. For the latest version visit www.moso-bamboo.com/x-treme/cladding

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