

# MOSO® installation instruction bambooultradensity® flooring

## (for high traffic areas for installation with glue)

### before installation

- To allow acclimatisation, lay your bamboo flooring flat in the room in which it is to be installed for at least 48 hours, at a room temperature of 18°-21°C (40-65% air humidity). After opening the foil packaging or box, the boards have to be installed immediately.
- Please note that the surface to which the flooring is to be applied must have a minimum temperature of 18°C. The flooring may be installed on any sub floor which is level, without cracks, dry, clean and stable.
- Excessive humidity has a detrimental effect on the flooring. Maximum permitted humidity levels for sub floors are: sand cement 1.8%, chipboard 7-9%, anhydrite floors 0.3%.

### important

- Bamboo is a natural product! Therefore variations in colour and structure within a batch are possible. You should always mix the components from different boxes.
- Bamboo Ultra Density® comes with a slightly brushed surface to create a better slip resistance (often required in high traffic projects). The 18 mm glue down version has a smooth surface.
- Before installation, we advise you to inspect the flooring for moisture content, size, colour differences and damage. We cannot accept any claims regarding this once the material has been installed or further processed.
- Installation of the flooring should always be the final job in any building project, in order to avoid damaging the flooring surface. Take care when working with adhesive tape as this could damage the flooring finish.
- Felt pads must be attached to furniture and chairs to avoid damage to the flooring surface.
- To protect against dust and sand, walk-off mats should be placed at all entrances to the room.

### ideal room conditions

- Room temperature approx. 18-21°C; Air humidity 40-65%.
- During the winter months, room air can become extremely dry. To maintain a constant air humidity, ceramic humidifiers should be mounted on radiators (or stoves) and, for larger rooms, electric air humidifiers are required. In summer and autumn when air humidity is high, ensure that the room is well-ventilated. Where these conditions are not maintained, warping, shrinkage and movement may occur. Check the air humidity using a hygrometer.

### the gluing

- This flooring type should be fully glued on the sub floor. It can be glued directly on the screed (like sand cement or anhydrite) if it is level, without cracks, dry, clean and stable.
- This way of installation requires specialist materials and skills. Only a recognised contractor should be used for the installation.
- Recommended adhesive: a 2-component polyurethane. Please note that hardened adhesive can only be removed from the flooring surface using mechanical means, which may lead to damage to the surface.
- For porous surfaces dispersion glues (with a low water content) or synthetic resin adhesive with low solvent content can be used.
- Elastic adhesive systems like 1-component Polyurethane or silan type of adhesives can be used, if:
  - Shear strength  $T_s > 1.4 \text{ N/mm}^2$  (3 days balanced at 23 degrees Celsius / 50% Air Humidity).
  - Shear elongation  $\gamma \geq 0.5$  (3 days balanced at 23 degrees Celsius/50% Air Humidity). Please ask your glue supplier for more information.
- MOSO® Bamboo UltraDensity® itself can be installed glued down without expansion gap/joint, but with minimum 10 mm distance from the wall. When the building, where the floor will be installed, requires expansion gaps (for example in concrete subfloors), these expansion gaps needs to be taken over and also be made in the MOSO® Bamboo UltraDensity® floor.

### floor heating / cooling

This floor type can be installed - under certain conditions - on warm water floor heating / cooling.

► [www.moso.eu/floorheating-cooling](http://www.moso.eu/floorheating-cooling)

### finishing, cleaning and maintenance

- Bamboo flooring must be lacquered or oiled.
- Clean the floor and polish the surface with a green pad.
- Vacuum clean the floor.
- Once the floor is completely clean, follow the oil or lacquer supplier's instructions.
- Because of the ultra-high density, the penetration of oil is very low. For that reason, apply only a very thin layer of oil, appr. 50% of the recommended quantity.
- Cleaning and maintenance: the flooring's lifespan will increase significantly when it is cleaned and maintained adequately.
- Follow the oil or lacquer supplier's instructions for the maintenance.

### additional note

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

**These instructions are subject to change. For the latest version go to [www.moso.eu/ultradensity](http://www.moso.eu/ultradensity)**

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