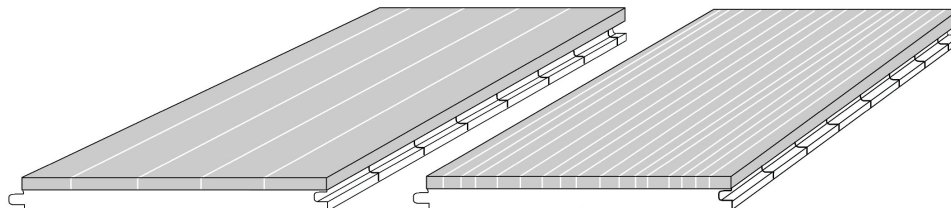


# Moso® 2-Ply flooring

## Product

MOSO 2-Ply flooring consists of a 4 mm top layer and a cross pressed (bamboo) backing. The boards are connected by means of a tongue and groove.



2-Ply flooring plain pressed

2-Ply flooring side pressed

## Product line

Code Natural	Code Caramel	Style	Edges	Finish	Dimensions (mm)	Box Content (Pcs.)	Box Content (m <sup>2</sup> )
BF-LA401	BF-LA451	PP	SE	-	920x92x10	36	3,047
BF-LA421	BF-LA471	SP	SE	-	920x92x10	36	3,047
BF-LA403	BF-LA453	PP	SE	O	920x92x10	36	3,047
BF-LA423	BF-LA473	SP	SE	O	920x92x10	36	3,047
BF-LA409	BF-LA459	PP	SE	L	920x92x10	36	3,047
BF-LA429	BF-LA479	SP	SE	L	920x92x10	36	3,047
BF-DT409	BF-DT459	DT	SE**	LN	920x92x10	24	2,031
BF-LA411	BF-LA461	PP	SE	-	450x75x10*	80	2,7
BF-LA431	BF-LA481	SP	SE	-	450x75x10*	80	2,7
BF-LA413	BF-LA463	PP	SE	O	450x75x10*	80	2,7
BF-LA433	BF-LA483	SP	SE	O	450x75x10*	80	2,7
BF-LA419	BF-LA469	PP	SE	L	450x75x10*	80	2,7
BF-LA439	BF-LA489	SP	SE	L	450x75x10*	80	2,7

PP = Plain pressed

SP = Side pressed

DT = Density

SE = Sharp edge

L = Lacquered Bona 125 gr/m<sup>2</sup>

LN = Lacquered Bona Naturale

O = Pre-oiled Woca Air dried (has to be re-oiled after installation)

\*) With left and right tongue it is suitable to create a herringbone pattern and a block pattern (50% with left tongue and 50% with right tongue).

\*\*) Equiped with "mini bevel", approx. 0.1mm (barely visible).

## Installation

Please read the full installation instructions on the backside.

This floor type can be installed – under certain conditions – on warm water floor heating. See "MOSO flooring and floor heating".

## Technical characteristics

- Hardness: 4,0 kg/mm<sup>2</sup> (Brinell)
- Shrink/swell: 0,14% per 1% change in moisture content
- Equilibrium MC: 10% at 20 °C and 65% Rel. Air Humidity  
8% at 20 °C and 50% Rel. Air Humidity
- Density: 700 kg/ m<sup>3</sup>
- Fire class: EN 13501-1: Cfl-s1
- Thermal conductivity:  $\lambda = 0,17 \text{ W / (m}\cdot\text{K)}$
- Thermal resistance:  $R = 0,058 \text{ m}^2\cdot\text{K/W}$
- Emission formaldehyde: <0,124 mg/m<sup>3</sup> (E1 norm)

Density version (top layer):

- Hardness: 9,5 kg/mm<sup>2</sup> (Brinell)
- Shrink/swell: 0,14% per 1% change in moisture content
- Equilibrium MC: 3-4% (Darr-test) at 20 °C and 50-65% Rel. Air Humidity



www.moso.eu

# Installation instruction MOSO® 2-Ply flooring

## 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, in its sealed foil packaging or box, at a room temperature of 18°-20°C (50-65% air humidity).
- 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%.

## Please note

- 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.
- Before installation, we advise you to inspect the flooring for moisture content, size, colour differences and damage. We cannot accept any complaints 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, a walk-off mat has to be placed before and after the entrance of the room.

## Ideal room conditions

- Room temperature approx. 18-20°C; Air humidity 50 - 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 will 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.
- Advised adhesive: a 2-component polyurethane. Please note that hardened adhesive can only be removed from the varnished surface using mechanical means, which may lead to damage to the protective finish.
- 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 only can be used, when:
  - Shear strength  $T_s > 1.4 \text{ N} / \text{mm}^2$  (3 days balanced at 23 degrees Celsius / 50% Air Humidity)
  - Shear elongation  $\gamma >= 0.5$  (3 days balanced at 23 degrees Celsius / 50% Air Humidity)Please ask your glue supplier for more information.

## Floor heating

This floor type can be installed – under certain conditions – on warm water floor heating. See “MOSO flooring and floor heating”.

## Finish untreated flooring

- After the glue has hardened, the floor can be sanded and filled (with a mixture of sanding dust – 100 grit- and floor filler).
- Bamboo flooring can be lacquered, oiled or waxed. For oil: note that bamboo has a dense surface structure, therefore apply oil thinly and allow to dry between applications.

## Maintenance and cleaning

- Initial maintenance: in case of a pre finished floor (lacquered or oiled), initial maintenance should be carried out after installation is complete.
- In case of a pre-oiled WOCA floor: this floor has to be re-oiled after installation to create a better protection.
- Cleaning and care: The useful life of your bamboo floor will be considerably increased with suitable cleaning and maintenance.
- For further information, look at [www.woodcaredenmark.com](http://www.woodcaredenmark.com) for pre-oiled and [www.bona.com](http://www.bona.com) for pre-lacquered finishes.

## Additional note

Whilst all due care is taken to ensure the accuracy of the installation instructions, individual circumstances (location, sub floor 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](http://www.moso.eu).

