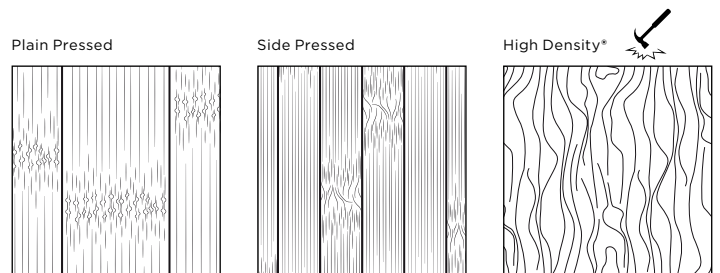
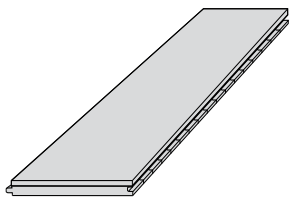


# MOSO® bamboosupreme (2-ply flooring)

MOSO® Bamboo Supreme is made from two layers of bamboo, with a 4 mm toplayer and a cross pressed bamboo backing. The total thickness is 10 mm which is relatively thin compared to other wood floors. However, as with any wood species the basic rule is: the thicker, the less stable the wood (shrink/swell). The 10 mm thickness and 4 mm toplayer is an ideal compromise between durability and stability and therefore offers a perfect solution for heavy duty conditions, like installation on floor heating and/or installation in heavy traffic areas.



**PP:** Plain Pressed, **SP:** Side Pressed, **HD:** High Density\*, **L:** Lacquered Bona 125 g/m<sup>2</sup>, **LN:** Lacquered Bona Naturale (extra matt) 225 g/m<sup>2</sup>, **O:** Pre-oiled Woca Air Dried (to be re-oiled after installation), **SE:** Sharp Edge, **NB:** "Nano" bevel, approx. 0,1 mm (barely visible).

Natural	Caramel	Style	Finish	Edges	Dimensions (mm)	Box Content (pcs.)	Box Content (m <sup>2</sup> )
	BF-LA451	PP	-	SE	970x95x10	36	3.317
	BF-LA471	SP	-	SE	970x95x10	36	3.317
BF-LA403	BF-LA453	PP	O	SE	970x95x10	36	3.317
BF-LA423	BF-LA473	SP	O	SE	970x95x10	36	3.317
BF-DT403	BF-DT453	HD	O	NB	920x96x10	24	2.120
BF-LA409	BF-LA459	PP	L	SE	970x95x10	36	3.317
BF-LA429	BF-LA479	SP	L	SE	970x95x10	36	3.317
BF-DT409	BF-DT459	HD	LN	NB	920x96x10	24	2.120

## installation summary (full version available on www.moso.eu/bamboo-supreme)

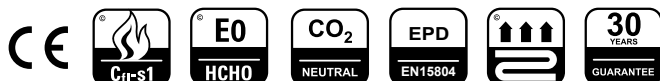
- Check room climate conditions (room temp. 18-21°C, air humidity 40-65%).
- Check subfloor: this should be flat/clean/stable and should not exceed the maximum allowed moisture content (for example 1.8% for sand cement).
- The floor should be fully glued.
- Elastic adhesive systems like 1-component Polyurethane or silan type of adhesives only can be used, when:
  - Shear strength Ts > 1.4 N/mm<sup>2</sup> (3 days balanced at 23 degrees Celsius/50% Air Humidity)
  - Shear elongation y >= 0.5 (3 days balanced at 23 degrees Celsius/50% Air Humidity)
 Please ask your glue supplier for more information.
- This floor type can be installed - under certain conditions - on floor heating / cooling.
  - [www.moso.eu/floorheating-cooling](http://www.moso.eu/floorheating-cooling)
- After installation: make sure proper cleaning and maintenance is done, fitting to the chosen finish. For oiled finish: the floor has to be re-oiled after installation. Polish the oil with a red pad or patina disc (possibly afterwards with white pad).

## technical characteristics and certifications

- Density (Toplayer): +/- 700 kg/m<sup>3</sup> (SP/PP), +/- 1050 kg/m<sup>3</sup> (HD)
- Top layer thickness / Wear layer: approx. 4 mm
- Shrink/Swell bamboo: 0.14% per 1% change in Moisture Content (SP/PP)
- Equilibrium MC: 10% at 20°C and 65% rel. Air Humidity (SP/PP) 8% at 20°C and 50% rel. Air Humidity (SP/PP)
- Resistance to Indentation - Brinell Hardness: ≥ 4 kg/mm<sup>2</sup> (SP/PP), ≥ 9.5 kg/mm<sup>2</sup> (HD) (EN 1534)
- Wear resistance <sup>1)</sup>: ≥ 5000 Revolutions (WR2) (SP/PP), ≥ 7000 Revolutions (WR3) (HD) (EN 13696)
- Reaction to fire: Class Cfl-s1 (EN 13501-1)
- Formaldehyde emission: Class E1 (< 0.124 mg/m<sup>3</sup>, EN 717-1), Class E0 (< 0.025 mg/m<sup>3</sup>) <sup>2)</sup> (HD)
- Slip resistance <sup>1)</sup>: USRV 22 (SP/PP), USRV 26 (HD) (CEN/TS 15676) / R 10 (DIN 51130)
- Thermal conductivity: 0.17 W/mK (SP/PP), 0.21 W/mK (HD) (EN 12667)
- Thermal resistance: 0.0588 m<sup>2</sup>K/W (SP/PP), 0.0471 m<sup>2</sup>K/W (HD) (EN 12667)
- Use Class: Class 1 (EN 335)
- Critical radiant flux: Class 1 (SP/PP), Class 1 (HD) (ASTM E 648)
- CO<sub>2</sub> neutral: LCA report TU Delft (ISO 14040/44) (www.moso.eu/lca)
- Environmental Product Declaration - EPD (EN 15804) (www.moso.eu/epd)
- FSC<sup>®</sup>: Products available with FSC<sup>®</sup> certification on request.
- Contribution LEED BD+C - v4: MR 1, MR 2, MR 3 (FSC<sup>®</sup>), EQ2 v2009: MR 6, MR 7 (FSC<sup>®</sup>), IEQ 4.3
- Contribution BREEAM: HEA 2, MAT 1, MAT 3 (FSC<sup>®</sup>), MAT 5 (HD)
- Guarantee: 30 years

<sup>1)</sup> Only for lacquered versions.

<sup>2)</sup> E0 Class is an unofficial formaldehyde emission class, but it is commonly used to indicate that the product has a very low emission, not detectable (n.d.) emission or is produced with No Added Formaldehyde (NAF) glues. E0 products automatically qualify for the official E1 Class according EN 717-1.



breeam