MOSO® Bamboo Elite is a floor board that is relatively long and wide (compared to other MOSO® floors) and is made from three layers of solid bamboo, equipped with a tongue/groove connection.

installation summary

- 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 (for glue details see full version of installation instruction) and can also be installed floating (max width 6 m, max length 12 m, using expansion gaps).
- Elastic adhesive systems like 1-component Polyurethane or silan type of adhesives only can be used, when:
  - Shear strength Ts > 1.4 N/mm² (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.
- 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/m³ (SP/PP), +/- 1050 kg/m³ (HD)
- Top layer thickness / Wear layer: approx. 5 mm (SP/PP), approx. 3 mm (HD)
- 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/mm² (SP/PP), ≥ 9.5 kg/mm² (HD) (EN 1534)
- Reaction to fire: Class Cfl-s1 (EN 13501-1)
- Formaldehyde emission: Class E0 (< 0.025 mg/m³) 2) Class E1 (< 0.124 mg/m³, EN 717-1)
- Slip resistance 1): USRV 22 (SP/PP), USRV 26 (HD) (CEN/TS 15676) / R 10 (DIN 51130)
- Thermal conductivity: 0.17 W/mK (SP/PP), 0.19 W/mK (HD) (EN 12667)
- Thermal resistance: 0.0882 m²K/W (SP/PP), 0.0784 m²K/W (HD) (EN 12667)
- Use Class: Class 1 (EN 1335)
- Environmental Product Declaration - EPD (EN 15804) (www.moso.eu/epd)
- FSC®: Products available with FSC® certification on request.
- Contribution LEED BD+C - v4: MR 1, MR 2, MR 3 (FSC®), EQ2 v2009: MR 6, MR 7 (FSC®), IEQ 4.3
- Contribution BREEAM: HEA 2, MAT 1, MAT 3 (FSC®), MAT 5 (HD)
- Guarantee: 30 years

1) Only for lacquered versions.
2) E0 Class is an unofficial formaldehyde emission class, but it is commonly used to indicate that the product has a very low emission, not dectactable (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.