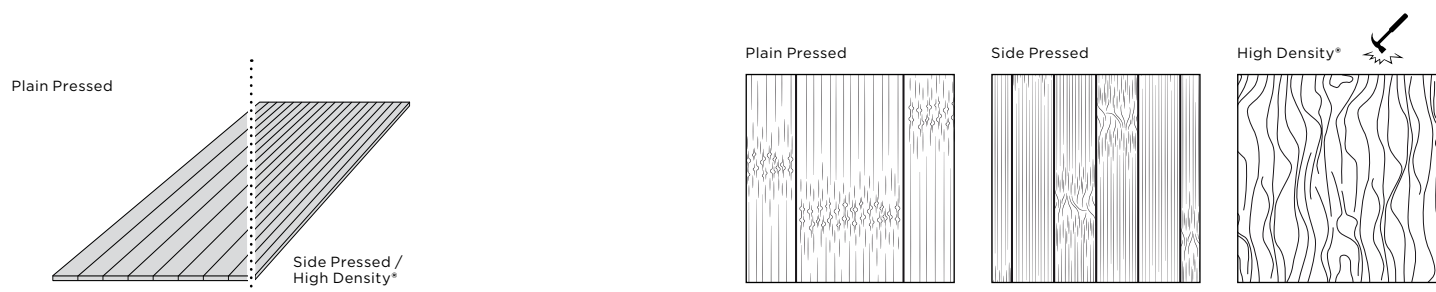


MOSO® bamboo 1-ply panel

MOSO® Bamboo 1-Ply Panel is mainly used as a panel covering material, where the bamboo is pressed, double sided, on a base (for example MDF or chipboard). Most applications require pressing on both sides of the base, to prevent possible bending. The result is a “sandwich panel”.



PP: Plain Pressed, SP: Side Pressed, HD: High Density*
 *) Mix of natural and caramel strips, **) Thermo treated

Natural	Caramel	Chocolate**	Tiger*	Style	Thickness (mm)	Construction (mm)	Dimensions (mm)
BP-1P800	BP-1P850			PP	3	1x3	2440x1220
BP-1P802	BP-1P852			PP	5	1x5	2440x1220
BP-SP300	BP-SP350			SP	3	1x3	2440x1220
BP-SP302	BP-SP352			SP	5	1x5	2440x1220
BP-DT400	BP-DT450	BP-DT450-DC	BP-DT450-NP	HD	4	1x4	2440x1220

processing instructions summary

(full version available on www.moso.eu/1-ply-panel)

When pressed under high pressure and high temperature a considerable cooling time should be allowed before stacking the cooled (max. 60°C) panels.

- Advised room conditions: temperature approx. 21°C. Air humidity 40-65%.
- The MOSO® 1-ply panels and MOSO® solid multilayer panels are oversized in length and width and are not calibrated (fine sanded).
- The MOSO® 1-ply panels and MOSO® solid multilayer panels have an A- and B-side. The backside (B) generally contains more colour variation than the surface side (A) and can show small seams between the strips. The backside is marked with a pencil line or sticker.
- In most cases the MOSO® 1-ply panels/veneer need to be pressed on a carrier material in a "sandwich"- construction (3-ply) to maintain the balance in the total panel and avoid bending. Make sure that the type and thickness of panels on both sides of the carrier are the same.

technical characteristics and certifications

- Density (Product): +/- 700 kg/m³ (SP/PP), +/- 1050 kg/m³ (HD)
- Top layer thickness / Wear layer: 3-5 mm¹⁾ (SP/PP), 4 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)
- Formaldehyde emission: Class E1 (< 0.124 mg/m³, EN 717-1) / Class E0 (< 0.025 mg/m³)³⁾
- Use Class: Class 1 (EN 335)
- Glue: D3 water resistant
- CO₂ neutral: LCA report TU Delft (ISO 14040/44) (www.moso.eu/lca)
- 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 4.4 (if requested as E0)
- Contribution BREEAM: HEA 2, MAT 1, MAT 3 (FSC®), MAT 5 (HD)

¹⁾ Depending on thickness version.

³⁾ Available on request - E0 class is an unofficial formaldehyde emission class, but it is commonly used to indicate that the product is produced with No Added Formaldehyde (NAF) glues. E0 products automatically qualify for the official E1 class according to EN 717-1.