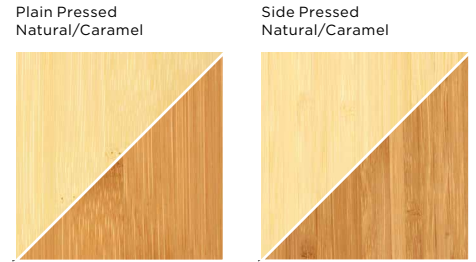
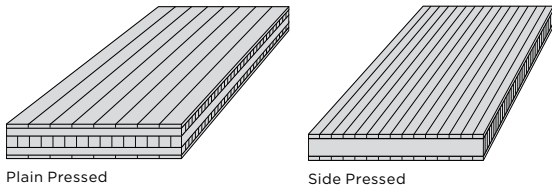


# MOSO® Bamboo Solid Panel

The MOSO® Bamboo Solid Panel consists of multiple layers of bamboo, available in many variations with respect to size, thickness, configuration, style and colour. These bamboo panels are especially interesting in those applications where the side of the panel remains visible, such as steps of a staircase, furniture and kitchen work tops.



Natural	Caramel	Style	Thickness (mm)	Construction (mm)	Dimensions (mm)
BP-MP1230	BP-MP1280	Plain Pressed	16	3.5-9-3.5	2440x1220
BP-MP1210	BP-MP1260	Plain Pressed	20	4-12-4	2440x1220
BP-5P131	BP-5P181	Plain Pressed	20	5x4	2440x1220
BP-MP1215	BP-MP1265	Plain Pressed	25	4-17-4	2440x1220
BP-MP1240	BP-MP1290	Plain Pressed	30	5-20-5	2440x1220
BP-5P105	BP-5P155	Plain Pressed	40	4-8-16-8-4	2440x1220
BP-5P140	BP-5P190	Plain Pressed	40	4-6-20-6-4	3000x700
BP-5P146	BP-5P196	Plain Pressed	40	4-6-20-6-4	4000x700
BP-MP400	BP-MP450	Side Pressed	7	2-3-2	2440x1220
BP-MP1430	BP-MP1480	Side Pressed	16	3.5-9-3.5	2440x1220
BP-SP800	BP-SP850	Side Pressed	19	1x19	2440x1220
BP-MP1410	BP-MP1460	Side Pressed	20	4-12-4	2440x1220
BP-MP1415	BP-MP1465	Side Pressed	25	4-17-4	2440x1220
BP-MP1440	BP-MP1490	Side Pressed	30	5-20-5	2440x1220
BP-5P205	BP-5P255	Side Pressed	40	4-8-16-8-4	2440x1220
BP-5P240	BP-5P290	Side Pressed	40	4-6-20-6-4	3000x700
BP-5P246	BP-5P296	Side Pressed	40	4-6-20-6-4	4000x700

## processing instructions summary

- Advised room conditions: temperature approx. 21°C. Air humidity 40-65%.
- The MOSO® solid multilayer panels are oversized in length and width and are not calibrated (fine sanded).
- The 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.
- Cutting the panel in smaller pieces may result in some bending.
- Solid multilayer panels should be well fastened/supported to avoid bending.
- The inner layers of MOSO® solid (multi-layer) panels consist of multiple, separated cross segments, which create some small voids in these layers. This construction optimizes the stability of the panels. The voids have to be filled during processing.
- Full version available at ▶ [www.moso-bamboo.com/solid-panel](http://www.moso-bamboo.com/solid-panel)

## technical characteristics and certifications

- Density : +/- 700 kg/m<sup>3</sup>
- Top layer thickness / Wear layer: 3,5-5 mm<sup>1)</sup>
- Shrink/Swell bamboo: 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
- Resistance to Indentation - Brinell Hardness: ≥ 4 kg/mm<sup>2</sup>
- Reaction to fire: Class D-s1-d0<sup>2)</sup> (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>3)</sup>
- Modulus of Elasticity: 4530 N/mm<sup>2</sup> (40mm)<sup>4)</sup> (mean value - EN 789)
- Glue: D3 water resistant
- CO<sub>2</sub> neutral: LCA report TU Delft (ISO 14040/44) ([moso-bamboo.com/lca](http://moso-bamboo.com/lca))
- Environmental Product Declaration - EPD (EN 15804) ([moso-bamboo.com/epd](http://moso-bamboo.com/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®)

<sup>1)</sup> Depending on thickness version.

<sup>2)</sup> Tested on 40 mm thickness, as panel, with ventilation space behind boards.

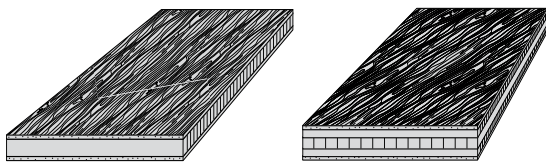
<sup>3)</sup> Available on request - E0 class is an unofficial formaldehyde emission class, but it is commonly used to indicate that the product is produced with No Added Formaldehyde (NAF) glues. E0 products automatically qualify for the official E1 class according EN 717-1.

<sup>4)</sup> Modulus of Elasticity of other panels available on request.



# MOSO® Bamboo Solid Panel

The MOSO® Bamboo Solid Panel in High Density® style has a toplayer made of compressed bamboo strips. This makes the Bamboo Solid Panel (HD) very hard and wear resistant and therefore interesting in demanding applications in terms of use or design.



\*) Mix of natural and caramel strips, \*\*) High Density® outer layers fingerjointed in length.

Natural	Caramel	Tiger*	Style	Thickness (mm)	Construction (mm)	Dimensions (mm)
BP-DT1000	BP-DT1050	BP-DT1050-NP	High Density® (outer layers)	20	4-12-4	2440x1220
BP-DT5000	BP-DT5050		High Density® (outer layers)	38	3-6-20-6-3	2440x1220
	BP-DT6050**		High Density® (outer layers)	38	3-6-20-6-3	3100x700
	BP-DT6060**		High Density® (outer layers)	38	3-6-20-6-3	4000x700

## processing instructions summary

- Advised room conditions: temperature approx. 21°C. Air humidity 40-65%.
- The MOSO® solid multilayer panels are oversized in length and width and are not calibrated (fine sanded).
- The 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.
- Cutting the panel in smaller pieces may result in some bending.
- Solid multilayer panels should be well fastened/supported to avoid bending.
- The inner layers of MOSO® solid (multi-layer) panels consist of multiple, separated cross segments, which create some small voids in these layers. This construction optimizes the stability of the panels. The voids have to be filled during processing.
- The surface of the solid High Density® panels may contain small seams and open pores. Depending on the finishing- and customer requirements, the surface can be closed using a (colour matching) filler.
- Full version available at ► [www.moso-bamboo.com/solid-panel](http://www.moso-bamboo.com/solid-panel)

## technical characteristics and certifications

- Density (Toplayer): +/- 1050 kg/m<sup>3</sup>
- Top layer thickness / Wear layer: 3-4 mm<sup>1)</sup>
- Resistance to Indentation - Brinell Hardness: ≥ 9.5 kg/mm<sup>2</sup> (EN 1534)
- 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>
- Modulus of Elasticity: 4318 N/mm<sup>2</sup> (38 mm)<sup>3)</sup> (mean value - EN 789)
- Glue: D3 water resistant
- CO<sub>2</sub> neutral: LCA report TU Delft (ISO 14040/44) ([moso-bamboo.com/lca](http://moso-bamboo.com/lca))
- Environmental Product Declaration - EPD (EN 15804) ([moso-bamboo.com/epd](http://moso-bamboo.com/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)

<sup>1)</sup> Depending on thickness version.

<sup>2)</sup> 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.

<sup>3)</sup> Modulus of Elasticity of other panels available on request.



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