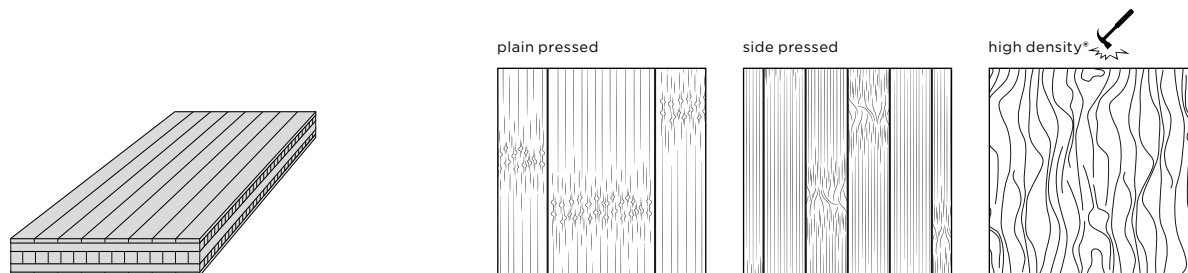


# solid panel

MOSO® solid panel is a visually appealing board product that consists of multiple layers of bamboo, available in multiple 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.



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

Natural	Caramel	Chocolate*	Tiger**	Style	Thickness (mm)	Construction (mm)	Dimensions (mm)
BP-MP1230	BP-MP1280			PP	16	3.5-9-3.5	2440x1220
BP-MP1210	BP-MP1260			PP	20	4-12-4	2440x1220
BP-5P131	BP-5P181			PP	20	5x4	2440x1220
BP-MP1215	BP-MP1265			PP	25	4-17-4	2440x1220
BP-MP1240	BP-MP1290			PP	30	5-20-5	2440x1220
BP-5P105	BP-5P155			PP	40	4-8-16-8-4	2440x1220
BP-5P140	BP-5P190			PP	40	4-6-20-6-4	3000x700
BP-5P145	BP-5P195			PP	40	4-6-20-6-4	4000x620
BP-MP400	BP-MP450			SP	7	2-3-2	2440x1220
BP-MP1430	BP-MP1480			SP	16	3.5-9-3.5	2440x1220
BP-SP800	BP-SP850			SP	19	1x19	2440x1220
BP-MP1410	BP-MP1460			SP	20	4-12-4	2440x1220
		BP-MP1660*		SP	20	4-12-4	2440x1220
BP-MP1415	BP-MP1465			SP	25	4-17-4	2440x1220
BP-MP1440	BP-MP1490			SP	30	5-20-5	2440x1220
BP-5P205	BP-5P255			SP	40	4-8-16-8-4	2440x1220
BP-5P240	BP-5P290			SP	40	4-6-20-6-4	3000x700
BP-5P245	BP-5P295			SP	40	4-6-20-6-4	4000x620
BP-DT1000	BP-DT1050			HD	20	4-12-4	2440x1220
			BP-DT1050-NP	HD	20	4-12-4	2440x1220
BP-DT5000	BP-DT5050			HD	38	3-6-20-6-3	2440x1220

## application

- Advised room conditions: temperature approx. 21°C. Air humidity 40-65%.
- The MOSO® solid panels are oversized in length and width and are NOT calibrated (fine sanded).
- The standard MOSO® solid panels have an A- and B-side. The backside (B) generally contains more colour variation than the surface side (A).
- The inner layers of MOSO® solid panels consist of multiple, separated cross segments, which create some small voids in these layers. This construction is made to optimize the stability of the panels. The voids normally will be filled during further processing.
- The length positioned middle layers of panels longer than 2440mm can have finger jointed segments.
- The surface of the solid High Density\* panels may contain small seams and open pores. Depending on the finishing requirements, the surface can be closed using a (color matching) filler.

## technical characteristics

- Density (Toplayer): +/- 700 kg/m<sup>3</sup> (SP/PP), +/- 1050 kg/m<sup>3</sup> (HD)
- Top layer thickness / Wear layer: 3,5-5mm<sup>1)</sup> (SP/PP), 3-4mm<sup>1)</sup> (HD)
- Shrink/Swell: 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)
- Reaction to fire: Class D-s1<sup>2)</sup> (SP/PP) (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: +/- 4300 N/mm<sup>2</sup> (40mm)<sup>4)</sup> (EN 789)
- Glue: D3 water resistant
- 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> For 40mm version.

<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.



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