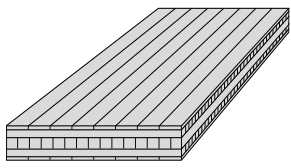
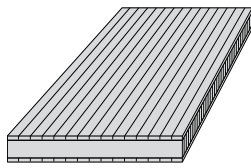


MOSO® bamboo solid panels

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.

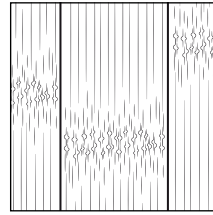


Plain Pressed

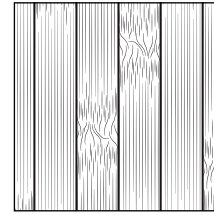


Side Pressed

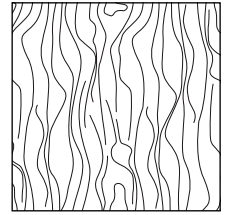
Plain Pressed



Side Pressed



High Density*



See next page

PP: Plain Pressed, SP: Side Pressed

| Natural | Caramel | 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-5P146 | BP-5P196 | PP | 40 | 4-6-20-6-4 | 4000x700 |
| 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-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-5P246 | BP-5P296 | SP | 40 | 4-6-20-6-4 | 4000x700 |

processing instructions summary

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

- 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.

technical characteristics and certifications

- Density : +/- 700 kg/m³
- Top layer thickness / Wear layer: 3,5-5 mm¹⁾
- 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/mm²
- Reaction to fire: Class D-s1-d0²⁾ (EN 13501-1)
- Formaldehyde emission: Class E1 (< 0.124 mg/m³, EN 717-1) / Class E0 (< 0.025 mg/m³)³⁾
- Modulus of Elasticity: 4530 N/mm² (40mm)⁴⁾ (mean value - EN 789)
- 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®)

¹⁾ Depending on thickness version.

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

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 EN 717-1.

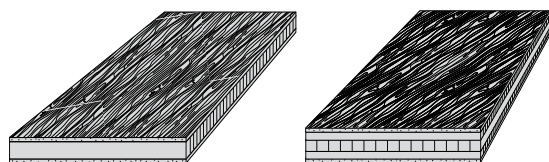
⁴⁾ Modulus of Elasticity of other panels available on request.



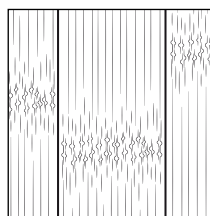
The mark of responsible forestry
FSC® C002063

MOSO® bamboo solid panels

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.

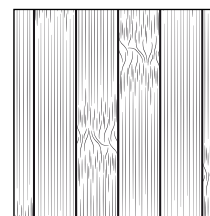


Plain Pressed



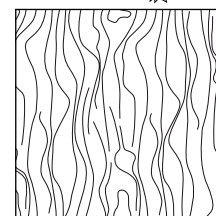
See previous page

Side Pressed



See previous page

High Density®



HD: High Density® (outer layers). *) 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 | HD | 20 | 4-12-4 | 2440x1220 |
| BP-DT5000 | BP-DT5050 | | HD | 38 | 3-6-20-6-3 | 2440x1220 |
| | BP-DT6050** | | HD | 38 | 3-6-20-6-3 | 3100x700 |
| | BP-DT6060** | | HD | 38 | 3-6-20-6-3 | 4000x700 |

processing instructions summary

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

- 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.

technical characteristics and certifications

- Density (Toplayer): +/- 1050 kg/m³
- Top layer thickness / Wear layer: 3-4 mm¹⁾
- Resistance to Indentation - Brinell Hardness: ≥ 9.5 kg/mm² (EN 1534)
- Reaction to fire: Class D-s1-d0²⁾ (EN 13501-1)
- Formaldehyde emission: Class E1 (< 0.124 mg/m³, EN 717-1) / Class E0 (< 0.025 mg/m³)³⁾
- Modulus of Elasticity: 4318 N/mm² (38 mm)⁴⁾ (mean value - EN 789)
- 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.

²⁾ Tested on 40 mm thickness Side Pressed, as panel, with ventilation space behind boards.

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.

⁴⁾ Modulus of Elasticity of other panels available on request.



breeam



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