green
greener
greenest
Imagine a new carbon neutral building product, based on sustainably sourced renewable resources, which grows faster than the fastest growing softwood species yet combines this with hardwood properties. This solution is now available: MOSO bamboo products for indoors and outdoors are greener than competing products, and now also available with even additional environmental benefits through the MOSO Green Premium label, offering the greenest building solution in the market: FSC certified bamboo made with special adhesives with no added formaldehyde.

### Carbon Footprint

<table>
<thead>
<tr>
<th>In CO₂eq/kg, depending on MOSO product assessed</th>
<th>Production</th>
<th>Growth</th>
<th>Use</th>
<th>End of Life</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eucalyptus 35 years</td>
<td>-0.6</td>
<td>-0.1</td>
<td>-1.1</td>
<td>-0.6 to 0.0</td>
</tr>
<tr>
<td>Beech 40 years</td>
<td>-0.6</td>
<td>-0.1</td>
<td>-1.1</td>
<td>-0.6 to 0.0</td>
</tr>
<tr>
<td>Teak 70 years</td>
<td>-0.6</td>
<td>-0.1</td>
<td>-1.1</td>
<td>-0.6 to 0.0</td>
</tr>
<tr>
<td>Bamboo 5 years</td>
<td>-0.6</td>
<td>-0.1</td>
<td>-1.1</td>
<td>-0.6 to 0.0</td>
</tr>
<tr>
<td>Total</td>
<td>-0.6</td>
<td>-0.1</td>
<td>-1.1</td>
<td>-0.6 to 0.0</td>
</tr>
</tbody>
</table>

### Harvesting Age

- Full grown plants in years:
  - Eucalyptus: 35 years
  - Beech: 40 years
  - Teak: 70 years
  - Bamboo: 5 years

### MOSO Bamboo: The fastest growing plant in the world.

The giant bamboo species MOSO (length up to 20 meters high) is ready for harvest for use in durable products after 5 years, which stands in sharp contrast with the growing time of hardwood species which often take over 50 years to mature and are increasingly scarce and, consequently, more expensive.

### MOSO Bamboo: Sustainability advantages in all stages of its life cycle

#### Production

- All MOSO products are made in production facilities that are ISO 9001 and ISO 14001 certified.
- CO₂ neutral over full life cycle - Through the fast growing process and the potential use for bioenergy in the End of Life phase, a large amount of CO₂ is fixed which more than compensates for CO₂ released during production.
- Credits for sustainable building programs such as BREEAM (HEA 2, MAT 5) and LEED (MR 6, IEQ 4.3) because of the rapid renewability, robustness and low emissions.
- Green Premium: Use of special adhesive with no added formaldehyde complying with E0 norm (EU requisite = E1).

#### Growth

- Made from the extremely rapidly renewable giant bamboo species “MOSO”; renowned for its CO₂ absorbing and O₂ producing capacity.
- Abundantly available in China (approx. 4 mio ha) and always sourced from sustainably managed forests and plantations.
- The MOSO bamboo plant consists of multiple stems. As a result, several stems may be harvested each year without killing the mother plant.
- Green Premium: MOSO Bamboo Chain of Custody fully FSC®-certified.

#### Use

- Durable = Sustainable: Because of the high hardness, density and stability, MOSO bamboo products last very long even in tough circumstances.
- Proven Quality: All MOSO bamboo flooring products are CE marked and guaranteed up to 30 years.
- Healthy indoor climate: Very low emissions of volatile organic compounds (VOCs). MOSO floors have been rated A and A+ in France with respect to VOC emissions: the best classification possible!
- Green Premium: Additional credits for BREEAM (MAT 3) and LEED (MR 7, IEQ 4.4) because of FSC®-certification and use of adhesives with no added formaldehyde.

#### End of Life

- As a non toxic, natural material, MOSO bamboo products offer no restrictions in the end-of-life phase.
- If maintained well, MOSO bamboo products may be reused in similar applications (upcycling). If this is not possible, MOSO products may be safely used as input material for the chipboard industry (downcycling).
- If up- or downcycling is not possible, it is recommended to use the bamboo material as sustainable substitute for fossil fuels in a biomass energy plant for the production of bioenergy.

### FSC® C002063
Besides our exceptionally broad assortment in building solutions for indoors & outdoors, we are able to go even further. For industrial clients we develop unique customized solutions. Furthermore, MOSO bamboo products have been installed in leading green building projects in Europe such as Centro Palmas Altas in Sevilla (LEED Platinum) and in the head office of NIBE, ranked as the greenest building in the Netherlands and Belgium following the Green building software tool GreenCalc (GreenCalc score of 1029).

Be inspired on our website for the more examples of application possibilities for leading clients such as BWM, Shell, Madrid International Airport, Toyota, Philips, Guggenheim Museum, ING, Artek, Randstad, Salomon skis, Zara, Starbucks, Dell, CitizenM Hotels, Bodyshop and many others.