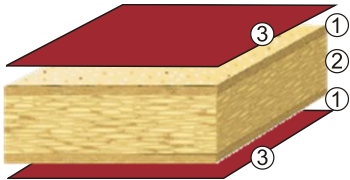








# SWISSSPAN ECO DECOR

## Melamine faced low emission particleboard

|                              |  |
|------------------------------|--|
| <p>Characteristics</p>       | <p>The <b>SWISSSPAN ECO DECOR</b> is a wide range of decorative melamine faced particleboards for furniture and indoor surfaces.</p> <p>The decor papers impregnated with melamine resin are applied to the <b>SWISSSPAN</b> base boards on short cycle presses to form a robust, diffusion tight, easy care surface with a high quality look. All raw papers are made free of chlorine.</p>   |
| <p>Application</p>           | <p><b>SWISSSPAN ECO DECOR</b> is suitable for classical, furniture and non-load-bearing indoor applications in dry areas:</p> <ul style="list-style-type: none"> <li>- as decorative, robust, and high quality furniture elements (body, fronts, shelving)</li> <li>- as horizontal and vertical faces on indoor surfaces</li> </ul>   |
| <p>Technical class</p>       | <p>Melamine faced board for indoor uses according to EN 14322; particleboard according to EN 312, type P2 (indoor fitments, including furniture) for use in dry conditions</p>   |
| <p>Product structure</p>     | <div style="display: flex; align-items: center;">  <div style="margin-left: 20px;"> <p>Low emission furniture board for various applications:</p> <ul style="list-style-type: none"> <li>- Melamine resin impregnated decor papers (3) are pressed on both sides of the particleboards. Under heat and pressure, the resins cure completely, forming a tight bond between the board and paper. The result is a largely diffusion tight surface.</li> <li>- The base board is a multi layered structure of coarse, flat particles in the centre layer (2) and fine particles in the top layer (1).</li> </ul> </div> </div>   |
| <p>Processing</p>            | <ul style="list-style-type: none"> <li>- <b>SWISSSPAN ECO DECOR</b> can be processed with the common woodworking tools.</li> <li>- Matching ABS edgebands are available (23/1 mm x 100 m).</li> <li>- Storage conditions: Boards must be placed flat over their whole surfaces at 15–25 °C and 45–65% relative air humidity.</li> <li>- The constant action of heat is permitted at temperatures below 50 °C. Over brief periods (max 1 hour), temperatures as high as 90 °C are permitted.</li> <li>- Clean the surface with a damp cloth with mild, nonabrasive cleaning agent. No acids, lyes, or abrasive agents.</li> </ul>   |
| <p>Certificates / labels</p> | <div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">  <p>Swiss Made<br/>Swiss Quality</p> </div> <div style="text-align: center;">  <p>Certified Quality and<br/>Environmental Management</p> </div> <div style="text-align: center;">  <p>Low CO<sub>2</sub>-<br/>production</p> </div> <div style="text-align: center;">  <p>Swiss Wood</p> </div> <div style="text-align: center;">  <p>from sustainable forestry<br/>(certificates can be provided upon request)</p> </div> <div style="text-align: center;">  <p>The Mark of<br/>responsible forestry<br/>FSC® C014686<br/>Ask for FSC®<br/>certified products</p> </div> </div> |

## Product range und Technical Data

### Product range

#### ONE WORLD SWISS COLLECTION

|             |                        |   |
|-------------|------------------------|---|
| On request: | 2800 mm x 2070 mm x    | 8, 10, 13, 16, 19, 22, 25, 30, 40 mm      |
|             | 5600 mm x 2070 mm x    | 8, 10, 13, 16, 19, 22, 25, 30, 40 mm      |
|             | <i>Panels per pack</i> | <i>25, 25, 25, 25, 25, 20, 20, 15, 10</i> |

Delivery of single or packaged boards in accordance with our terms and conditions. [www.swisskrono.ch](http://www.swisskrono.ch)

### Technical Data

| <i>General and mechanical properties of the particle board SWISSSPAN P2 ECO (EN 312)</i> |           |         |         |         |         | Unit                           |     | Standard    |
|--|-----------|---------|---------|---------|---------|--------------------------------|-----|-------------|
| Thickness  | 8-13      | 16, 19  | 22, 25  | 30      | 40      | mm                             |     | EN 324-1    |
| Density  | 630-740   | 620-680 | 580-640 | 570-620 | 540-610 | kg/m <sup>3</sup>              |     | EN 323      |
| Bending strength   | 11.0      | 11.0    | 10.5    | 9.5     | 8.5     | N/mm <sup>2</sup>              |     | EN 310      |
| Modulus of elasticity  | 1'800     | 1'600   | 1'500   | 1'350   | 1'200   | N/mm <sup>2</sup>              |     | EN 310      |
| Internal bond strength   | 0.40      | 0.35    | 0.30    | 0.25    | 0.20    | N/mm <sup>2</sup>              |     | EN 319      |
| Surface soundness  | 1.0       | 1.0     | 1.0     | 1.0     | 1.0     | N/mm <sup>2</sup>              |     | EN 311      |
| Moisture content   | 5-6       | 5-6     | 5-6     | 5-6     | 5-6     | %                              |     | EN 322      |
| Lindane   Pentachlorophenol (PCP)  | n.d   n.d |         |         |         |         | mg/kg (n.d. = not detectable)  |     | ChemVerbotV |
| Formaldehyde emission  |           |         |         |         |         | ≤ 0.03                         | ppm | EN 717-1    |
|  |           |         |         |         |         | ≤ 0.09                         | ppm | ASTM-D-6007 |
|  |           |         |         |         |         | CARB Phase II certified, TPC 4 |     |             |

### Specifications of the surface (EN 14322)

| Decor type                      | Values (for all board thicknesses)   |                       | Unit                         | Key  | Standard             |
|---------------------------------|--|-----------------------|------------------------------|--|----------------------|
|                                 | Plain decors   | Wood, Fantasy, Haptic |                              |  |                      |
| Abrasion resistance             | 3A   | 1                     | Class [1-4]                  |  |                      |
| IP   WP                         | ≥ 150   ≥ 350  | < 50   < 150          | Revolutions                  |  | EN 14323             |
| Scratch resistance              | 1.5  | 1.5                   | N                            |  | EN 14323             |
| Resistance to cracking          | 5  | 5                     | Level [1-5]                  | 5 – No visible change<br>1 – Surface cracks                | EN 14323             |
| Resistance to water vapour      | 4  | 4                     | Level [1-5]                  | 5 – No visible change<br>1 – Blisters and/ or delamination | EN 14323             |
| Color matching                  | 4  | 4                     | Level [2-5]                  |  | EN 14323             |
| Resistance to staining          | Group 1<br>Group 2   | 5<br>4                | Level [1-5]                  | 5- No visible change<br>1- damages / blisters              | EN 14323             |
| Light-fastness (xenon-arc-lamp) | ≥ 4  | ≥ 4                   | Level [3]                    |  | EN 14323             |
| Formaldehyde emission           | ≤ 1<br>≤ 0.02  |                       | mg/(m <sup>2</sup> h)<br>ppm |  | EN 717-2<br>EN 717-1 |
| Tolerances                      | Thickness ± 0.3 mm   Flatness ≤ 2 mm/m<br>Length x Width for 2.80 x 2.07 m ± 5.0 mm, pre-cut panels ± 2.5 mm<br>Edge chipping for 2.80 x 2.07 m ≤ 10 mm, pre-cut panels ≤ 3 mm<br>Surface defects ≤ 2 mm <sup>2</sup> /m <sup>2</sup> , Longitudinal defects ≤ 20 mm/m |                       |                              |  | EN 14323             |

### Safety and further information

- Due to the high weight, special care must be taken in handling the boards (proper way of lifting, risk of crushing, etc.).
- Processing can give rise to saw- and grinding dust. Do not breathe in this wood dust (protective equipment and suction)! Suction equipment should always be used to remove wood dust. The risk of explosion is therefore minimised.
- The product is not on the list of hazardous substances, nor is it subject to precise labelling requirements (Dangerous Substances Ordinance / Waste Traffic Ordinance).
- The adhesive used in the base board is urea formaldehyde resin. There is barely any free formaldehyde, and the correctly processed board releases virtually none (E1).
- The product is chemically stable and has no toxic effects. It is suitable for indoor applications.
- **SWISSSPAN ECO DECOR** is a product from sustainable forest management. FSC certified on request.
- The product can be recycled or thermally recovered in a suitable plant (CO<sub>2</sub> neutral energy).