


SWISSSPAN P2

Particleboard for interior fitments (including furniture) for use in dry conditions

Characteristics	<p>SWISSSPAN P2 is a Swiss made particleboard. The use of wood from sustainably managed Swiss forests and an environmentally friendly production process provide the basis for a product of Swiss quality.</p> <p>The flat pressed particleboard is made up of three plies with a full, high strength particle ply at the centre.</p> <p>The adhesive used is a UF resin that provides good mechanical properties and low emissions.</p>
Application	<p>SWISSSPAN P2 is suitable for non- load-bearing use in dry conditions:</p> <ul style="list-style-type: none"> → For interior fitments → In buildings and stands → as base board for lining furniture surfaces
Technical class	Particleboard for interior fitments (including furniture) for use in dry conditions, Type P2, EN 312
Product structure	<div>  <p>Layered product structure:</p> <ul style="list-style-type: none"> → Even and uniform surface layers ① made of fine particles → Compact, high strength core layer ② made of larger particles </div>
Processing	<ul style="list-style-type: none"> → SWISSSPAN P2 can be processed with the usual woodworking tools. → The boards are suitable for lining with laminate, veneer, and decorative paper. → Fittings can be secured to the sides or on the surface, depending on the board thickness. Drilling, screwing, or gluing is possible. → Before/after processing (prior to installation), the board can be stored horizontally over its whole surface (optimal storage room conditions: 15–25 °C, 45–65% air humidity).
Certificates / labels	<div>       </div> <p>Swiss Made Swiss Quality Certified Quality and Environmental Management Low CO₂-production Swiss Wood Sustainable forest management (certificates can be provided upon request)</p> <p><small>The Mark of responsible forestry FSC® C014686 Ask for FSC® certified products www.fsc.org</small></p>

Product range und specifications

Product range

Standard edge

Ex stock:	2800 mm x 2070 mm x	8, 10, 12, 13, 15, 16, 18, 19, 22, 25, 28, 30, 33, 36, 38, 40, 46, 50
	5600 mm x 2070 mm x	8, 10, 12, 13, 15, 16, 18, 19, 22, 25, 28, 30, 33, 36, 38, 40
	3250/4100 mm x 2070 mm x	16, 19
	<i>Boards per package</i>	25, 25, 25, 25, 25, 25, 25, 20, 20, 15, 15, 15, 10, 10, 10, 10, 10

Tongue and groove

Ex stock:	2550 mm x 670 mm	16, 19, 22, 25, 30, 40 mm
	<i>Boards per package</i>	50, 40, 35, 30, 25, 20

Delivery of single or packaged boards in accordance with our terms and conditions.

Technical specifications **SWISSSPAN P2**

General and mechanical properties (EN 312)

Thickness	3-4	5-7	8-13	15-19	22, 25	28, 30	33-40	>40	mm	EN 324-1
Final surface sanding (Grit size)	100	100	100	100	100	100	100	100		
Density	740-780	740-780	680-760	630-680	600-630	600-630	580-620	560-600	kg/m ³	EN 323
Bending strength	13.0	12.0	11.0	11.0	10.5	9.5	8.5	7.0	N/mm ²	EN 310
Modulus of elasticity	1800	1950	1800	1600	1500	1350	1200	1050	N/mm ²	EN 310
Internal bond strength	0.45	0.45	0.40	0.35	0.30	0.25	0.20	0.20	N/mm ²	EN 319
Surface soundness	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	N/mm ²	EN 311
Moisture content	5-6	5-6	5-6	5-6	5-6	5-6	5-6	5-6	%	EN 322
Lindane Pentachlorophenol (PCP)	n.d n.d mg/kg (n.d. = not detected)									ChemVerbotV
Formaldehyde content	E1: ≤ 6.5 mg/100 g abs. dry board									EN 120
Formaldehyde emission	E1: ≤ 0.124 mg/m ³ air									EN 717-1
Tolerances	Thickness sanded board ±0.3 mm									EN 324-1
	Length x width for 2.80 x 2.07 m and for 5.60 x 2.07 m ±5.0 mm									EN 324-1
	Edge straightness 1.5 mm/m Squareness 2.0 mm/m									EN 324-2
	Density (deviation from mean density within board) ±10%									EN 323

Building physics characteristics (EN 13986)

Thermal conductivity	0.16	0.16	0.15	0.13	0.13	0.13	0.12	0.11	W/(mK)	EN 13986
Water vapour resistance μ [humid dry]	18 50	18 50	17 50	16 50	15 50	15 50	15 50	14 50		EN 13986
Airborne sound insulation	-	-	25	27	29	30	31	32.5	dB	EN 13986
Sound absorption	0.10 (250-500 Hz) 0.25 (1'000-2'000 Hz)									EN 13986
Reaction to fire	D-s2,d0 Normal combustibility, (medium smoke generation, no burning droplets)									EN 13501-1
thickness > 10 mm	B2									DIN 4102
	RF3 acceptable contribution to fire									VKF (CH)
Ecological characteristics	Renewable energy > 90% Wood fibres 86% UF-Resin 8-10% Swiss wood soft- and hard-wood from forest thinnings and sawmill residues no post-consumer recycled content no chlorides, no biocides thermally recyclable									SIA 493.05

Outstanding Properties



Safety and other 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. However, there is scarcely 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 P2** is a product from sustainable forest management. The wood used comes from forest thinnings, and so helps to keep Swiss forests healthy.
- The product can be recycled after the first lifecycle or converted into CO₂ neutral energy in a suitable plant.