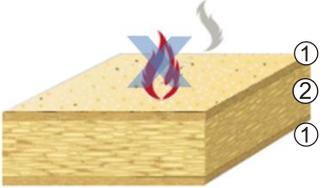


SWISSSPAN P2 SF-B

Fire retardant particleboard for use as non-structural component in dry conditions

<p>Characteristics</p>	<p>SWISSSPAN P2 SF-B is a flame retardant particleboard for use in dry conditions. The flat pressed board has a layered structure with a centre ply of flat particles for high strength between two top plies of cubic particles for an even, uniform surface.</p> <p>A flame retardant has been metered to the melamine formaldehyde urea resin (MUF). This reduces considerably the spread of flames and generation of smoke in the event of fire (flame retardant, low smoke levels).</p>
<p>Application</p>	<p>SWISSSPAN P2 SF-B is suitable for non-load-bearing applications in homes, buildings, and furniture outside of the vapour barrier in dry areas under higher fire behaviour requirements:</p> <ul style="list-style-type: none"> → In homes: Board element in wall, floor, and roof structures → In buildings and stands → As a base board for lining furniture and indoor surfaces
<p>Technical class</p>	<p>Fire retardant particleboard for internal use as non-structural component in dry conditions, Type P2 according to EN 312.</p> <p>Reaction to fire: B-s2, d0 (EN13501-1) RF2 (VKF)</p>
<p>Product structure</p>	 <ul style="list-style-type: none"> → layered structure with fine particles in the top plies ① and larger, flatter particles in the centre ply ②. → A phosphate based fire retardant is used in addition to the melamine reinforced urea formaldehyde resin. → The boards are dyed red.
<p>Processing</p>	<ul style="list-style-type: none"> → They can be processed with the usual woodworking tools. → The boards are suitable for lining with laminate, veneer, decorative paper, etc. This must observe the instructions under Lignatec, "Holzwerkstoffe in Innenräumen", Zürich 2008 (see "Recommended board linings"). → Fittings can be secured to the sides or on the surface, depending on the board thickness. → 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% relative air humidity). → Accumulating grinding dust can be converted into heat in a suitable incineration plant (fuel fraction 10%).
<p>Certificates / labels</p>	

Product range und Technical Data					
Product range					
Ex stock:	2800 / 5600 mm x 2070 mm x		16, 19, 25 mm		
	boards per package		25, 25, 20		
Delivery of single or packaged boards in accordance with our terms and conditions. www.swisskrono.ch					
Technical Data					
<i>General and mechanical properties (EN 312)</i>					Standard
Thickness	16	19	25	mm	EN 324-1
Density	700-730	700-730	690-720	kg/m ³	EN 323
Bending strength	11.0	11.0	10.5	N/mm ²	EN 310
Modulus of elasticity in bending	1'600	1'600	1'500	N/mm ²	EN 310
Internal bond strength	0.35	0.35	0.30	N/mm ²	EN 319
Surface soundness	0.80	0.80	0.80	N/mm ²	EN 311
Moisture content	6-10	6-10	6-10	%	EN 322
Formaldehyde content	E1: ≤ 6.5mg/100g dry board				EN 120 EN 717-1
Formaldehyde emission	E1: ≤ 0.124mg/m ³ air				
Pentachlorophenol Lindane	n.d. (not detected)				ChemVerbV
Tolerances	Thickness ±0.3mm Length x Width 5.6 / 2.80x2.07 ±5.0mm Edge straightness 1.5mm/m Squareness 2.0mm/m Density (deviation from mean density within board) ±10%				EN 324-1 EN 324-2 EN 323
<i>Building physics building physics characteristics (EN 13986)</i>					
Thermal conductivity	0.14	0.14	0.14	W/(mK)	EN 13986
Water vapour resistance [wet dry]	17 50	17 50	17 50		EN 13986
Airborne sound insulation	27	28	29	dB	EN 13986
Sound absorption coefficient	0.10 (at 250-500 Hz) 0.25 (at 1'000-2'000 Hz)				EN 13986
Reaction to fire	B-s1,d0	flame retardant (limited smoke, no dripping)			EN 13501-1
	RF2	low contribution to fire			VKF (CH)
Ecological characteristics	Renewable energy >90% Wood fibres 68% MUF-Resin 12% Wax 0.5% flame retardant 12% red (organic) color 0.02%				SIA 493.05
Safety and other information					
<ul style="list-style-type: none"> → 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 SF-B 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 heat in a suitable plant (CO2 neutral energy). The incineration process is unaffected when the fraction of SWISSSPAN P2 SF-B does not exceed 10%. 					