

SWISSSPAN P2 SF-B

✓ E1-D2020 (ChemVerbotsV) ✓ E1

Application

Non-load-bearing panel for use in walls, floors and ceilings as well as in the construction of buildings and trade fair stands.

Base panel for surface coatings used in furnishings and interior design.



Technical class

Fire-retardant particleboard for interior fitments (including furnishings) for use in dry areas (type P2, EN 312).

Reaction to fire: B-s1, d0 compliant with EN 13501-1 | B1 compliant with DIN 4102 | RF2 compliant with VKF.

Technical data

Properties					Unit	Standard
Nominal thickness	12	16	19	22; 25	mm	EN 324-1
Density	700-730	700-730	700-730	690-720	kg/m ³	EN 323
Internal bond strength	0.40	0.35	0.35	0.30	N/mm ²	EN 319
Bending strength	11.0	11.0	11.0	10.5	N/mm ²	EN 310
Modulus of elasticity	1800	1600	1600	1500	N/mm ²	EN 310
Surface soundness	0.8	0.8	0.8	0.8	N/mm ²	EN 311
Formaldehyde emission E1	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	ppm	EN 717-1
Formaldehyde emission	≤ 0.09	≤ 0.09	≤ 0.09	≤ 0.09	ppm	ASTM D 6007
Final sanding	100	100	100	100	Grain size	
PCP Lindane	< 5 0	< 5 0	< 5 0	< 5 0	mg/kg	CEN/TR 14823
Reaction to fire	B-s1, d0 B1 RF2	B-s1, d0 B1 RF2	B-s1, d0 B1 RF2	B-s1, d0 B1 RF2		EN 13501-1 DIN 4102 VKF (CH)
Thermal conductivity	0.14	0.14	0.14	0.14	W/mk	EN 13986
Water vapour resistance [humid dry]	17 50	17 50	17 50	17 50		EN 13986
Airborne sound insulation	26	27	28	29	dB	EN 13986

Tolerances (EN 312)

Thickness	± 0.3	± 0.3	± 0.3	± 0.3	mm	EN 324-1
Length, width	± 5.0	± 5.0	± 5.0	± 5.0	mm	EN 324-1
Edge straightness	1.5	1.5	1.5	1.5	mm/m	EN 324-2
Squareness	2.0	2.0	2.0	2.0	mm/m	EN 324-2
Moisture content	5-13	5-13	5-13	5-13	%	EN 322
Density	± 10	± 10	± 10	± 10	%	EN 323

Ecological information (SIA 493)

Renewable energy > 90% | Wood 75-80% | (M)UF adhesive 4-8% | Emulsion < 1% | Phosphate-based fire retardant 8-11% | Red dye < 0.05% | Swiss wood from thinning and sawmill residue | No chlorides and no biocides : thermally recyclable if ≤ 10% of combustible material