

SWISSSPAN P2

✓ CARB II / TSCA Title VI ✓ E1-D2020 (ChemVerbotV) ✓ E1

Application

Base panel for surface coatings used in furnishings and interior design. The panels are suitable for non-load-bearing applications on floors, walls and ceilings.



Technical class

Particleboard for interior fitments (including furniture) for use in dry conditions (Type P2, EN 312).

Technical data

Properties							Unit	Standard
Nominal thickness	> 6-13	> 13-20	> 20-25	> 25-32	> 32-40	> 40	mm	EN 324-1
Density	680-760	630-680	600-630	600-630	580-620	560-610	kg/m ³	EN 323
Internal bond strength	0.40	0.35	0.30	0.25	0.20	0.20	N/mm ²	EN 319
Bending strength	11.0	11.0	10.5	9.5	8.5	7.0	N/mm ²	EN 310
Modulus of elasticity	1800	1600	1500	1350	1200	1050	N/mm ²	EN 310
Surface soundness	0.8	0.8	0.8	0.8	0.8	0.8	N/mm ²	EN 311
Formaldehyde emission E1	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	ppm	EN 717-1
Formaldehyde emission	≤ 0.09	≤ 0.09	≤ 0.09	≤ 0.09	≤ 0.09	≤ 0.09	ppm	ASTM D 6007
CARB II / TSCA Title VI compliant	✓	✓	✓	✓	✓	✓		
Final sanding	100	100	100	100	100	100	Grain size	
PCP Lindane	< 5 0	< 5 0	< 5 0	< 5 0	< 5 0	< 5 0	mg/kg	CEN/TR 14823
Reaction to fire	E RF4	D-s2, d0 RF3	D-s2, d0 RF3	D-s2, d0 RF3	D-s2, d0 RF3	D-s2, d0 RF3		EN13986 VKF (CH)
Thermal conductivity	0.15	0.13	0.13	0.13	0.12	0.12	W/mK	EN 13986
Vapour diffusion resistance [humid dry]	17 50	16 50	15 50	15 50	15 50	15 50		EN 13986
Airborne sound insulation	25	27	29	30	31	32	dB	EN 13986

Tolerances (EN 312)

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

Ecological information (SIA 493)

Renewable energy > 90% | Wood 85-90% | UF adhesive 4-8% | Emulsion < 1% | Swiss wood from thinning and sawmill residue | No chlorides and no biocides | Thermally recyclable.