

BE.YOND - SWISSSPAN P2 NAF

Application

Low-emission 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. Unrestricted compatibility with MinerIE ECO.



Technical class

Formaldehyde-free bonded chipboard panel for interiors (including furnishings) for use in dry areas, type P2 (EN 312).

Technical data

Properties						Unit	Standard
Nominal thickness	8-13	> 13-20	> 20-25	> 25-32	> 32-40	mm	EN 324-1
Density	690-750	640-690	610-640	610-640	590-630	kg/m ³	EN 323
Internal bond strength	0.40	0.35	0.30	0.25	0.20	N/mm ²	EN 319
Bending strength	11.0	11.0	10.5	9.5	8.5	N/mm ²	EN 310
Modulus of elasticity	1800	1600	1500	1350	1200	N/mm ²	EN 310
Surface soundness	0.8	0.8	0.8	0.8	0.8	N/mm ²	EN 311
Formaldehyde emission	≤ 0.01	≤ 0.01	≤ 0.01	≤ 0.01	≤ 0.01	ppm	EN 717-1
Final sanding	100	100	100	100	100	Grain size	
PCP Lindane	< 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		EN 13986 VKF (CH)
Thermal conductivity	0.15	0.13	0.13	0.13	0.12	W/mK	EN 13986
Water vapour resistance [humid dry]	17 50	16 50	15 50	15 50	15 50		EN 13986
Airborne sound insulation	25	27	29	30	31	dB	EN 13986

Tolerances (EN 312)

Thickness	± 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	mm	EN 324-1
Edge straightness	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	mm/m	EN 324-2
Moisture content	5-13	5-13	5-13	5-13	5-13	%	EN 322
Density	± 10	± 10	± 10	± 10	± 10	%	EN 323

Ecological information (SIA 493)

Renewable energy > 90 % | Natural raw materials and binding agents 98 % | Swiss wood from fresh wood, thinning and sawmill residue | Wood contains neither chlorides and biocides nor any other halogens | Materials are 100 % recyclable.