

SWISSMDF SF-B

✓ 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

Dry-manufactured fire-retardant fibreboard for general purpose (non-load-bearing) use in dry areas (type MDF, EN 622-5).

Technical data

Properties						Unit	Standard
Nominal thickness	12	16	19	22	25	mm	EN 324-1
Density	840-860	840-860	840-860	840-860	840-860	kg/m ³	EN 323
Internal bond strength	0.60	0.55	0.55	0.55	0.55	N/mm ²	EN 319
Bending strength	22.0	20.0	20.0	18.0	18.0	N/mm ²	EN 310
Modulus of elasticity	2500	2200	2200	2100	2100	N/mm ²	EN 310
Thickness swelling 24 h	15	12	12	10	10	%	EN 317
Formaldehyde emission E1	≤ 0.1	≤ 0.1	≤ 0.1	≤ 0.1	≤ 0.1	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	B-s2, d0 B1 RF2	B-s2, d0 B1 RF2	B-s2, d0 B1 RF2	B-s2, d0 B1 RF2	B-s2, d0 B1 RF2		EN 13501-1 DIN 4102 VKF (CH)
Thermal conductivity	0.13	0.13	0.13	0.13	0.13	W/mK	EN 13986
Water vapour resistance [humid dry]	21 31	21 31	21 31	21 31	21 31		EN 13986
Airborne sound insulation	27	29	30	30	31	dB	EN 13986

Tolerances (EN 622-1)

Thickness	± 0.2	± 0.2	± 0.2	± 0.3	± 0.3	mm	EN 324-1
Length and 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	4-11	4-11	4-11	4-11	4-11	%	EN 322
Density	± 7	± 7	± 7	± 7	± 7	%	EN 323

Ecological information (SIA 493)

Renewable energy > 90% | Wood 68-73% | UF adhesive 13-15% | Emulsion < 1% | Red dye < 0.05% | Swiss conifer wood from thinning and sawmill residue | No post-consumer recycled content | No chlorides and no biocides | Thermally recyclable | Burning material ≤ 10%.