

SWISSCDF

Application

SWISSCDF can be used as extremely compact, robust support board. Thanks to its black coloring and the compact product structure, the board can also be used as an attractive surface without additional coating. The excellent machinability into the depth of the panel allow for the creation of various three dimensional elements for creative furniture and building design. SWISSCDF is ideally suited for applications requiring ecologically sustainable material due to its environmentally compatible manufacturing.



Technical class

High-density wood fibreboard (>1,000 kg/m³) for non-load-bearing purposes for interior applications in humid conditions, Type MDF.H acc. EN 622-5.

Technical Specifications

Properties								Unit	Standard
Material thickness	6	8	10	12.4	12	16	19	mm	
Certificate Code	CDF	CDF	CDF	CDF	CDF	CDF	CDF		
Density min	930	930	930	930	930	930	930	kg/m ³	EN 323
Density max	1070	1070	1070	1070	1070	1070	1070	kg/m ³	EN 323
Internal bond strength	2	2	2	2	2	1.8	1.6	N/mm ²	DIN EN 319
Bending strength	55	50	50	50	50	45	45	N/mm ²	DIN EN 310
Modulus of elasticity	5000	5000	5000	5000	5000	4500	4500	N/mm ²	DIN EN 310
Surface soundness	2.3	2.3	2.3	2.3	2.3	2.3	2.3	N/mm ²	DIN EN 311
Thickness swelling	7	7	5	5	5	5	5	%	DIN EN 317
Formaldehyde emission (ppm) E1	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	ppm	EN 717-1
Formaldehyde emission (ppm) CARB II / TSCA Title VI	≤ 0.13	≤ 0.13	≤ 0.11	≤ 0.11	≤ 0.11	≤ 0.11	≤ 0.11	ppm	ASTM D-6007
Pentachlorophenol (PCP)	≤ 3	≤ 3	≤ 3	≤ 3	≤ 3	≤ 3	≤ 3	mg/kg	CEN/TR 14823
Lindane	≤ 1	≤ 1	≤ 1	≤ 1	≤ 1	≤ 1	≤ 1	mg/kg	
Reaction to fire (EU)	B-s2, d0	B-s2, d0	B-s2, d0	B-s2, d0	B-s2, d0	B-s2, d0	B-s2, d0		DIN EN 13986
Thermal conductivity	0.18	0.18	0.18	0.18	0.18	0.18	0.18	W/(mK)	DIN EN 13986
Airborne sound insulation	23	25	26	27	27	28	29	dB	DIN EN 13986

Tolerances

Properties								Unit	Standard
Material thickness	6	8	10	12.4	12	16	19	mm	
Thickness tolerance	± 0.2	± 0.2	± 0.2	± 0.2	± 0.2	± 0.2	± 0.2	mm	EN 324-1
Length tolerance	± 5	± 5	± 5	± 5	± 5	± 5	± 5	mm	EN 324-1
Width tolerance	± 5	± 5	± 5	± 5	± 5	± 5	± 5	mm	EN 324-1
Edge straightness	1.5	1.5	1.5	1.5	1.5	1.5	1.5	mm/m	EN 324-2
Squareness	2	2	2	2	2	2	2	mm/m	EN 324-2
Moisture content Min	4	4	4	4	4	4	4	%	EN 322
Moisture content Max	5	5	5	5	5	5	5	%	EN 322
Tolerance density	± 7	± 7	± 7	± 7	± 7	± 7	± 7	%	EN 323