

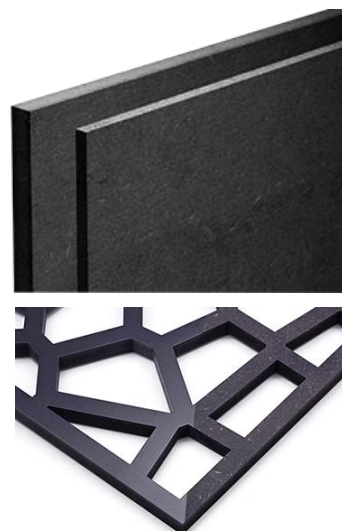
# SWISSCDF

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

## Application

SWISSCDF can be used as extremely compact, robust support board. Thanks to its black colouring 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/m<sup>3</sup>) for non-load-bearing purposes for interior applications in humid conditions, Type MDF.H acc. EN 622-5.

## Technical Data

Properties									Unit	Standard
Nominal thickness	6.0	8.0	10.0	12.0	12.4	16	19	mm	EN 324-1	
Density	1000	1000	1000	1000	1000	1000	1000	kg/m <sup>3</sup>	EN 323	
Internal bond strength	2.0	2.0	2.0	2.0	2.0	1.8	1.6	N/mm <sup>2</sup>	EN 319	
Bending strength	55	50	50	50	50	45	45	N/mm <sup>2</sup>	EN 310	
Modulus of elasticity	5'000	5'000	5'000	5'000	5'000	4'500	4'500	N/mm <sup>2</sup>	EN 310	
Surface soundness	2.3	2.3	2.3	2.3	2.3	2.3	2.3	N/mm <sup>2</sup>	EN 311	
Thickness swelling 24 h	<7	<7	<5	<5	<5	<5	<5	%	EN 317	
Formaldehyde emission E1	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	ppm	EN 717-1	
Formaldehyde emission	≤ 0.13	≤ 0.13	≤ 0.11	≤ 0.11	≤ 0.11	≤ 0.11	≤ 0.11	ppm	ASTM D 6007	
CARB II / TSCA Title VI compliant	✓	✓	✓	✓	✓	✓	✓			
PCP   Lindane	not detected	not detected	not detected	not detected	not detected	not detected	not detected	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	B-s2, d0 B1 RF2	B-s2, d0 B1 RF2		EN 13986 DIN 4102 VKF (CH)	
Thermal conductivity	0.18	0.18	0.18	0.18	0.18	0.18	0.18	W/mK	EN 13986	
Airborne sound insulation	23	25	26	27	27	28	29	dB	EN 13986	

## Tolerances (EN 622-1)

Thickness	±0.2	±0.2	±0.2	±0.2	±0.2	±0.2	±0.2	mm	EN 324-1
Length, width	±5.0	±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	1.5	mm/m	EN 324-2
Squareness	2.0	2.0	2.0	2.0	2.0	2.0	2.0	mm/m	EN 324-2
Moisture content	≥5	≥5	≥5	≥5	≥5	≥5	≥5	%	EN 322
Density	±7	±7	±7	±7	±7	±7	±7	%	EN 323

## Ecological information (SIA 493)

Renewable energy > 90 % | Wood 65-75 % | MUF adhesive 20-30 % | Swiss conifer wood from thinning and sawmill residue | No post-consumer recycled content | No chlorides and no biocides | Thermally recyclable.