

SWISSCDF Melamine Faced WB03

Application

SWISSCDF is ideal for the construction of furniture and objects subjected to severe surface stresses and high demands in terms of its robustness, such as office & school furniture, kitchen & bathroom fronts, lockers in sports & spa areas, CNC milling/cutting of lettering, logos & ornaments.

Technical class

High-density fibreboard (>1'000 kg/m³) for non-load-bearing purposes in humid conditions (EN 622-5), melamine faced according to EN 14322.



Technical Specifications

Properties							Unit	Standard
Material thickness	6.4	8.4	10.4	12.4	16.4	19.4	mm	
Certificate Code	MF-CDF-03	MF-CDF-03	MF-CDF-03	MF-CDF-03	MF-CDF-03	MF-CDF-03		
Thickness swelling	7	7	7	7	7	7	%	DIN EN 13329
Formaldehyde emission (ppm) E1	≤ 0.03	≤ 0.03	≤ 0.03	≤ 0.03	≤ 0.03	≤ 0.03	ppm	EN 717-1
Reaction to fire (EU)	C-s1, d0	C-s1, d0	C-s1, d0	C-s1, d0	C-s1, d0	C-s1, d0		DIN EN 13501-1
Wear resistance	3A	3A	3A	3A	3A	3A		DIN EN 14323
Resistance to scratching	3.5	3.5	3.5	3.5	3.5	3.5	N	DIN EN 14323
Resistance to cracking	Level 5 - No cracking	Level 5 - No cracking	Level 5 - No cracking	Level 5 - No cracking	Level 5 - No cracking	Level 5 - No cracking		DIN EN 14323
Resistance to water vapor	4	4	4	4	4	4		DIN EN 14323
Colour/surface matching	Level 4 - minor differences possible	Level 4 - minor differences possible	Level 4 - minor differences possible	Level 4 - minor differences possible	Level 4 - minor differences possible	Level 4 - minor differences possible		DIN EN 14323
Impact resistance big ball	1000	1000	1000	1000	1000	1000	mm	DIN EN 14323
Resistance to staining (group 1)	Level 4	Level 4	Level 4	Level 4	Level 4	Level 4		DIN EN 14323
Resistance to color change in xenon arc light	> 4	> 4	> 4	> 4	> 4	> 4		DIN EN 14323
Antibacterial	true	true	true	true	true	true		

Tolerances

Properties							Unit	Standard
Material thickness	6.4	8.4	10.4	12.4	16.4	19.4	mm	
Thickness tolerance	± 0.2	± 0.2	± 0.2	± 0.2	± 0.2	± 0.2	mm	DIN EN 14323
Thickness lower bound	- 0.3	- 0.3	- 0.3	- 0.3	- 0.3	- 0.3	mm	DIN EN 14323
Thickness upper bound	0.5	0.5	0.5	0.5	0.5	0.5	mm	DIN EN 14323
Length tolerance	± 5	± 5	± 5	± 5	± 5	± 5	mm	DIN EN 14323
Width tolerance	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	mm	DIN EN 14323
Edge damage	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10	mm	DIN EN 14323
Edge damage (for trim)	≤ 3	≤ 3	≤ 3	≤ 3	≤ 3	≤ 3	mm	DIN EN 14323
Surface defects (points)	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2	mm ² /m ²	DIN EN 14323
Surface defects (length)	≤ 20	≤ 20	≤ 20	≤ 20	≤ 20	≤ 20	mm/m	DIN EN 14323
Edge straightness	1.5	1.5	1.5	1.5	1.5	1.5	mm/m	EN 324-2
Squareness	2	2	2	2	2	2	mm/m	EN 324-2