KAINDL BOARDS. FLOORS. IDEAS.

KAINDL MDF CA

MDF in acc. with EPA TSCA Title VI and CARB

Technical Data Sheet

MDFCA 01/18-06

Areas of use / Application

Numeruos applications for non load-bearing purposes in dry areas for interior decoration
(Classification acc. to **EN 622-5 MDF**)

Construction

Size

length: 2800mm and 5600 mm
thickness: 16, 18 and 19mm; others on request
width: 2070 mm

Properties

	emission of formaldehyde	test method
emission of formaldehyde:	< 0,11ppm CARB Phase 2 / EPA TSCA Title VI	ASTM D 6007 ASTM E 1333

CARB Phase 2: The California Air Resources Board (CARB) regulation requires in the "Final Regulation Order Airborne Toxic Control Measure to Reduce Formaldehyde Emissions from Composite Wood Products" (California Code of Regulations 93120, Phase 2) a limit value of 0.11ppm formaldehyde measured according to the chamber test method ASTM E 1333.

EPA TSCA Title VI: The US Environmental Protection Agency (EPA) regulation "Formaldehyde Emission Standards for Composite Wood Products, Title VI to the Toxic Substances Control Act (TSCA) requires a limit value of 0.11ppm formaldehyde measured according to the ASTM E 1333 chamber test method.

	classification acc. to EN 622-5 MDF	test method
board moisture content at despatch:	4 - 11 %	EN 322
bonding:	free of chloride	
wood species:	mainly conifers	

Tolerances

	unit	gen. requirements acc. to EN 622-1 MDF					test method
density limit-deviation related to minimum density within one board	%	+/-7					EN 323
thickness tolerance:	mm	thickness range <mm>					
		≤ 6		> 6 -19		> 19	
		+/- 0,3		+/- 0,2		+/- 0,3	EN 324-1
tolerance length and width:	mm/m mm	+/- 2 +/- 5					EN 324-1
edge-straightness tolerance:	mm/m	1,5					EN 324-2
rectangularity tolerance:	mm/m	2					EN 324-2

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Average material values

		classification acc. to EN 622-5 MDF					
	unit	thickness range <mm>					test method
		>6 - 9	>9 - 12	>12 - 19	>19 - 30	-	
density:	kg/m³	at factory specification					
bending strength:	N/mm²	23	22	20	18	-	EN 310
bending elasticity module:	N/mm²	2700	2500	2200	2100	-	EN 310
cross tensile strength:	N/mm²	0,65	0,60	0,55	0,55	-	EN 319
expansion thickness 24h:	%	17	15	12	10	-	EN 317

Building physical properties

	unit	classification acc. to EN 13986	test method
Reaction to fire: Board density > 700kg/m3 Board thickness > 9mm		D-s2,d0 *	EN 13501
Biological durability	class	use class 1 (indoor, dry (20°C/65% RH))	EN 335
Content of pentachlorophenol	ppm	< 5	CEN/TR 14823

* end use conditions see technical data sheet

Storage tips

Kaindl MDF CA should always be stored flat and level.
The air temperature in storage room should be at 18-22°C, the relative air humidity at 50 to 60%.
See also Standard prCEN/TS 12872:2006.

Further Processing

Kaindl MDF CA boards can be processed by common wood working machines.
Kaindl MDF CA boards should always be calibrated before coating the surface.

If you have any further questions please connect your salesperson or see **www.kaindl.com**

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