

KAINDL Chipboard P2/E1

SP2 04/07-03



Areas of use / Application

Numerous applications for non load-bearing purposes in dry areas for the interior decoration.
As substrate as well as laminate (CPL), real wood veneer etc (classification acc. to **EN 312**).

Construction



Size

length:	2800 and 5600 mm	thickness	8 to 39 mm
width:	2070 mm		

Properties

	classification acc. to EN 312	test method
formaldehyde release:	E1* 0,18ppm CARB Phase 1*	EN 120 ASTM 1333
board moisture content at despatch:	5 - 13 %	EN 322
pentachlorophenol:	< 0,5 ppm	
bonding:	free of chloride	
wood species:	mainly conifers, oak/beech < 5%	
manufacturing process:	System ContiRoll	

* moving half year average values $\leq 6,5$ mg HCHO / 100 gr. absol. dry chipboard

* compliant with CCR-17-93120.2(a) Phase 1

Tolerances

	unit	gen. requirements acc. to EN 312	test method
density limit-deviation within a board - average value:	%	+/- 10	EN 323
thickness tolerance, sanded board:	mm	+/- 0,3	EN 324-1
tolerance length and width:	mm	+/- 5	EN 324-1
edge-straightness tolerance:	mm/m	1,5	EN 324-2
rectangularity tolerance:	mm/m	2	EN 324-2

Average values

	unit	classification acc. to EN 312					test method
		Thicknesses <mm>					
		<6to13	<13to20	<20to25	<25to32	<32to40	
density:	kg/m ³	at factory specification					
bending strength:	N/mm ²	11	11	10,5	9,5	8,5	EN 310
bending elasticity module:	N/mm ²	1800	1600	1500	1350	1200	EN 310
cross tensile strength:	N/mm ²	0,4	0,35	0,3	0,25	0,2	EN 319
surface soundness:	N/mm ²	0,8	0,8	0,8	0,8	0,8	EN 311

Construction physical properties

	unit	classification acc. to EN 13986	test method
fire class: minimum-density > 600kg/m ³ minimum-thickness > 9mm		D-s2,d0	EN 13988
water vapour - coefficient of resistance: middle-density 600kg/m ³	μ moist μ dry	15 50	EN ISO 12572
airborne sound insulation:		$R = 13 \times \lg(m_A) + 14$	EN ISO 140-3
grade of acoustical absorption: frequency range 250 to 500 Hz frequency range 1000 to 2000 Hz		0,10 0,25	EN ISO 354
heat conductivity: middle-density 600kg/m ³	W/(m·K)	$\lambda = 0,12$	EN 12664

Storage tips

Kaindl Chipboard P2/ E1 should always be stored flat, level and completely covered.
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 Chipboard P2/ E1 can be processed by common wood working machines.
Kaindl Chipboard P2/ E1 should always be calibrated before coating the surface

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

The recommendations and information given in this Product Sheet are to the best of our knowledge in keeping with the present state of the art.
However, they are intended purely for information purposes and as noncommittal guide-lines. As such they cannot constitute grounds for any claim under warranty.