

# KAINDL Chipboard P3/E0/Option1

## Technical Data Sheet

RSP3 04/07-04

### Areas of use

Numerous applications per not load-bearing purposes in damp 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: 18 to 38 mm  
width: 2070 mm

### Properties

	classification acc. to EN 312	test method
formaldehyde release:	E1* F**** (E0)*	EN 120 JIS A 1460
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 (EN120) or 0.3 mg/L (JIS A 1460)

### Tolerances

	unit	gen. requirements acc. to EN 312	test method
density limit-deviation within a board - average value:	%	+/- 10	EN 323
thickness tolerance:	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 <sup>3</sup>	at factory specification					
bending strength:	N/mm <sup>2</sup>	-	14	12	-	9	EN 310
bending elasticity module:	N/mm <sup>2</sup>	-	1950	1850	-	1550	EN 310
cross tensile strength:	N/mm <sup>2</sup>	-	0,45	0,40	-	0,30	EN 319
thickness swelling 24 h:	%	-	14	13	-	12	EN 317
Internal bond after cyclic test:	N/mm <sup>2</sup>	-	0,13	0,12	-	0,09	EN 321
thickness swelling 24 h after cyclic test:	%	-	13	12	-	11	EN 321

## Building physical properties

	unit	classification acc. to EN 13986	test method
Reaction to fire: Board density > 600kg/m <sup>3</sup> Board thickness > 9mm		D-s2,d0 *	EN 13501
Water vapour permeability: mean density 670kg/m <sup>3</sup>		wet cup $\mu$ : 16 dry cup $\mu$ : 50	EN ISO 12572
Airborne sound insulation:		$R = 13 \times \lg(m_A) + 14$ ( $m_A$ = board surface weight kg/m <sup>2</sup> )	EN ISO 140-3
Sound absorption: Frequency range 250 to 500 Hz Frequency range 1000 to 2000 Hz		0,10 0,25	EN ISO 354
Thermal conductivity $\lambda$ : mean density 670kg/m <sup>3</sup>	W/(m·K)	$\lambda = 0,13$	EN 12664
Biological durability	class	use class 1+2	EN 335
Content of pentachlorophenol	ppm	< 5	CEN/TR 14823

\* end use conditions see technical data sheet

## Storage tips

Kaindl Chipboard P3/ E0 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 P3/ E0 can be processed by common wood working machines.  
Kaindl Chipboard P3/ E0 should always be calibrated before coating the surface

If you have any further questions please connect your salesperson or see [www.kaindl.com](http://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.