

KAINDL Decor Chipboard P2 E1/CA

Technical Data Sheet

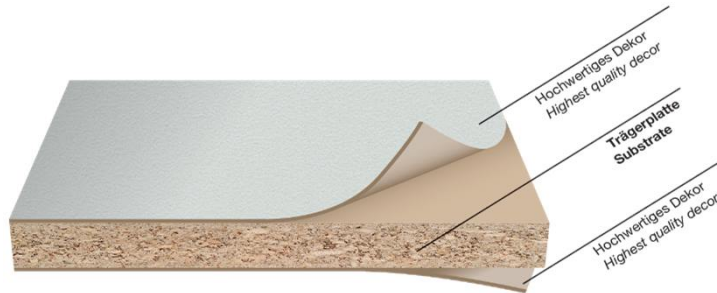
DSP2E1 01/20-03

Areas of use / Application

Numerous applications for non load-bearing purposes in dry areas for interior decoration

Construction

decorative paper
chipboard P2 E1/CA
decorative paper



Standard size

standard size: 2800 x 2070 mm
thickness range: 8 - 38 mm

Properties

	unit	classification acc. to EN 312					test method
		Thicknesses <mm>					
		>6to13	>13to20	>20to25	>25to32	>32to40	
density:	kg/m ³	raw chipboard ≥ 600kg /m ³ *					
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
formaldehyde release:		E1					EN 16516 ¹⁾
		Requirements fulfilled					CARB / EPA TSCA Title VI ²⁾
board moisture content at despatch:		5 - 13 %					EN 322
pentachlorophenol:		< 0,5 ppm					ChemVerbotsVO
bonding:		free of chloride					
wood species:		mainly conifers, oak/beech < 5% pre and post consumer wood					
manufacturing process:		System ContiRoll					

¹⁾ Determination according to German Chemikalienverbotsverordnung according to procedure published in Bundesanzeiger on 26.11.2018; Annex 1. Valid as of 1.1.2020.

²⁾ Meets testing and monitoring requirements acc. to Airborne Toxic Control Measure (ATCM) to Reduce Formaldehyde Emission from Composite Wood Products - § 93120 - 93120.12, title 17, California Code of Regulations - by the California Air Resources Board (CARB), as well as US EPA TSCA Title VI - 40 CFR Part 770 - Formaldehyde Emission Standards for Composite Wood Products.

* except 38mm

Tolerances

	unit	classification acc. to EN 14322			test method
		thickness range <mm>			
		< 15	≥ 15 - 20	> 20	
thickness tolerance (based on finished size)*					EN 14323
standard setup or abrasion class 1:	mm	+/- 0,3			
multiple setup or abrasion class 3A, 3B:	mm	+ 0,5/- 0,3			
length- and width tolerance: - standard size - cut sizes	mm mm	+/- 5 +/- 2,5			EN 14323
distortion:	mm/m	≤ 2 (only for balanced assembling of the surface)			EN 14323
edge disruption: - standard size - cut sizes	mm/m mm/m	≤ 10 ≤ 3			EN 14323

* Finished size: Thickness of the finished product; raw board including coated top and bottom.

Surface properties

	unit	classification acc. to EN 14322			test method	
		thickness range <mm>				
scratch resistance:	N	≥ 1,5			EN 14323	
surface imperfections:	mm ² /m ² mm/m ²	punctiform imperfection < 2 prolate imperfection < 20			EN 14323 EN 14323	
resistance to stains:	group	≥ 3			EN 14323	
cracking risk:	group	≥ 3			EN 14323	
resistance to steam:	grade	4 = moderate change of gloss level and/or colour			EN 14323	
light fastness (xenon arc):	group	> 6			EN 14323	
resistance to surface wear:			Print Decor without overlay: Wood, Fantasy and Metallic	Print Decor with overlay, Uni Decor 70-110g	Uni Decor ≥ 120g	EN 14323
	class		1	3A	3B	
	IP rotations		< 50	> 150	≥ 250	

Reaction to fire classification

decor chipboard	substrate chipboard	minimum thickness	classification acc. to EG decision (2007/348/EG)*	
			end use condition	class
KAINDL Decor Chipboard P2 E1/CA	raw density ≥ 600kg/m ³	9mm	without an air gap between the wood-based panel	D-s2, d0
		9mm	with a closed or a open air gap not more than 22mm behind the wood-based panel	D-s2, d2
		15mm	with a closed air gap behind the wood based panel	D-s2, d0
		18mm	with an open air gap behind the wood based panel	D-s2, d0
		3mm	any	E

*further information can be found in the Official Journal of the European Union and the Kaindl Info Sheet No. 9

Storage tips

Kaindl Decor Chipboards P2 E1/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 CEN/TS 12872:2006

Cleaning and care

Kaindl Decor Chipboards P2 E1/CA are very hygienic and easy to clean.
All domestic cleaning agents can be used for cleaning Kaindl Decor Chipboards P2 E1/CA. Do not use scouring agents.
For daily care it is only necessary to clean Kaindl Decor Chipboards P2 E1/CA with a damp cloth. Handle in the same way as conventional wooden boards. Sanding, sealing or polishing the surface is not necessary because of the special surface.
Stubborn stains such as paint, adhesive, nail polish or oil can be cleaned off with acetone, vinegar concentrate, nail polish remover and universal thinner. In either case please use those agents sparingly, carefully and only in polluted areas.
Those agents must not stay on the surface for any length of time.
Cutting with knives directly on Kaindl Decor Chipboards P2 E1/CA will lead to scratches on the surface.
Always use a kind of underlay or protective mat.
Wipe off moisture around seams.
When using any kind of computer mouse - a mouse mat must always be used!

Further processing

Kaindl Decor Chipboards P2 E1/CA can be processed by common wood working machines.
Before processing Kaindl Decor Chipboards P2 E1/CA please inspect for any visible damages.
To receive a proper cut quality various measures like e.g. feed rate, pitch and geometry of the saw tooth, chip room of the saw blade, excess of the saw blade etc.

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.