

# KAINDL REALwood wood veneer Board

FU 04/07-10

## Areas of use / Application

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

## Construction

wood veneer  
substrate  
wood veneer



## Size

### Chipboard P2:

2800 x 2070 x 8/15/18mm

### Blockboard:

2800 x 2070 x 18mm

### MDF board:

2800 x 2070 x 16/18mm

### Birch Plywood:

2500 x 1250 x 18mm

Different substrates and thicknesses on demand.

## Quality description

	<b>Wood Veneer</b>
Quality 1A	<p>Veneers of quality class "A" sorted according to customer specification:</p> <p><u>Definitions:</u></p> <p>S - Quarter: plain - striped</p> <p>B - Crown: cathedral crown - flaked</p> <p>A - Sequence: - min. 6 boards from the same sequence or the same side of the sequence - sequence structure formed with packets of figures; also available in frieze (genuine rift) in beech and oak sequence structure only</p> <p>Sheet width: Produced with fixed widths (except first and last sheet), tolerance <math>\pm 2</math> mm Price on request</p>
Quality A	<p>Face veneer in different structures (quarter, half crown, crown), mostly clean or with the wood features typically occurring on front veneers (e.g. sugar maple)</p> <p>No residual sheets</p>
Quality B	<p>Homogenous colour, varied structures</p> <p>can be used as carcass face side as reverse side of front panels</p> <p>few natural wood features, may include residual sheets with similar structure</p>
Quality C	<p>Wood (veneer) with all natural features (small knots, sapwood, mirroring etc.) but with no open defects</p> <p>Residual sheets with significant colour differences</p>

<b>Wood Veneer</b>	
Quality GZ	Veneer balancer Blind veneer depending on factory; Wood species may vary towards the front side Small open defects or notches, adhesions etc. are permissible. As product with asymmetrical structure: distortion from > 2.0 mm to 5.0 mm possible
Quality KP	Paper balancer only for size 2800 x 2070 mm ; >16mm we recommend using heavy gauge paper for thickness 16 mm or higher As product with asymmetrical structure: distortion from > 2.0 mm to 5.0 mm possible
Quality AB Basic	Has both A and B veneers on the front and B and C qualities on the back. Joining pattern can deviate to the front side. Little sorting required, so easy to handle and ideal for use in furniture carcasses and interior design. Some sections also suitable for use on fronts. For Quality AB Basic there is no choice of appearance in colour and wood graining. Bigger deviations in colour and graining within one wood species are possible.
Qualities 1A to KP can be combined in any combination.	

## Surface

<b>Wood Veneer</b>		
Characteristic	Customer can choose from different veneer-matching options (Book Match, Slip Match, Mismatch)	
Surface Attributes	The surface of the wood veneer board is delivered surface sanded (K 100/120) after production	
Veneer Groove Glue	All veneer sheets are glued to assure an excellent joint quality.	
Veneer Glue:	C2: Interior humidity resistant	Ö-Norm EN 12765
See Kaindl factsheets for descriptions of individual wood species.		

**BOOK MATCH**



**SLIP MATCH**



**MISMATCH**



## Tolerances

	unit	classification acc. to EN 14322			test method
		thickness range <mm>			
		< 15	≥ 15 - 20	> 20	
length- and width tolerance: - standard size - cut sizes	mm mm		+/- 5 +/- 2,5		EN 324-1
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

## Properties chipboard P2 E1/CA

		classification acc. to EN 312			
		Thicknesses <mm>			
	unit	>6to13	>13to20	>32to40	test method
density:	kg/m <sup>3</sup>	raw chipboard ≥ 600kg /m <sup>3</sup> *			
bending strength:	N/mm <sup>2</sup>	11	11	8,5	EN 310
bending elasticity module:	N/mm <sup>2</sup>	1800	1600	1200	EN 310
cross tensile strength:	N/mm <sup>2</sup>	0,4	0,35	0,2	EN 319
surface soundness:	N/mm <sup>2</sup>	0,8	0,8	0,8	EN 311
formaldehyde release:		E1			EN 16516 <sup>1)</sup>
		Requirements fulfilled			CARB / EPA TSCA Title VI <sup>2)</sup>
board moisture content at despatch:		5 - 13 %			EN 322
pentachlorophenol:		< 0,5 ppm			ChemVerbotsVO
bonding:		free of chloride			
wood species:		mainly conifers, oak/beechn < 5% pre and post consumer wood			
manufacturing process:		System ContiRoll			

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

<sup>2)</sup> 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

## Properties MDF E1/CA board

		classification acc. to EN 622-5 MDF			
		thickness range <mm>			
	unit	>12 - 19			test method
density:	kg/m <sup>3</sup>	at factory specification			
bending strength:	N/mm <sup>2</sup>	20			EN 310
bending elasticity module:	N/mm <sup>2</sup>	2200			EN 310
cross tensile strength:	N/mm <sup>2</sup>	0,55			EN 319
expansion thickness 24h:	%	12			EN 317
formaldehyde release:		E1			EN 16516 <sup>1)</sup>
		Requirements fulfilled			CARB / EPA TSCA Title VI <sup>2)</sup>
board moisture content at despatch:		4 - 11 %			EN 322
bonding:		free of chloride			
wood species:		mainly conifers			
manufacturing process:		System ContiRoll			

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

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## Storage tips

Kaindl wood veneer Board should always be stored flat, level and completely covered.

Kaindl wood veneer Board should be covered for protection against ultraviolet light (sunlight)

The air temperature in the 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 wood veneer Board can be processed with common wood working machines.

Kaindl wood veneer Board is delivered with a surface sanding (K 100/120) after production.

Before processing any further surface treatment (varnishing, staining etc.) please remove all residues like glue, fat, oil, etc. with a final sanding of the surface.

In every case a colour or reference sample has to be made before a further surface treatment like varnishing, staining, oiling etc. to avoid any surface mistakes.

Surface treatments must always be carried out equally on both sides.

In the case of non-observance, no supplementary claims under warranty can be accepted.

## Recommended use

Slight undulations in the surface of STAB 5-ply block-board do not represent quality defects. They are caused by differences in the position of the annual rings on solid wood strips and are a natural property of solid wood. Due to the undulations in STAB 5-ply block-board we recommend the use of chipboard P2E1/CA or MDF E1/CA core-boards in visually crucial areas (e.g. fronts, table tops, etc..).

STAB 5-ply block-board is recommended for use in constructional areas (e.g. cabinet construction, etc.).

The ideal room climate is at around 18-22°C and 50-65% relative air humidity.

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.