

# KAINDL - FUMAKO veneered solid wood board, Charismo

FUMAKO 03/18-03

## Areas of use / Application

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

## Construction

 wooden veneer  
 solid wood substrate  
 wooden veneer


## Size

 solid oak finger-joint panel with 0.6 mm standard veneer  
 3000 x 1250 x 20/39mm


 solid oak finger-joint panel with 0.9 mm thick veneer  
 3000 x 1250 x 21/40mm

## Quality description

	<b>wooden veneer</b>
Quality N/NB* <sup>1)</sup>	"Nature Mix": Created from all quarters and crown-cut patterns, including flake and other specific features of wood
Quality S/SB*	"Structure": Created from numerous crown-cut patterns, interspersed with half crowns
Quality E/EB*	"Elegant": Created from numerous quarters and half crowns with only small distinctive wood characteristics (e.g. little or no flake)
<sup>1)</sup> wood species: knotty oak, rustic oak and historic oak are only available in quality N/NB	
* Front and reverse side of the same board may differ from each other in structure, features of wood, veneer sheet sequence and wood colour.	

	<b>Solid wood substrate</b>
Quality C/C	Wood species oak: not sorted by colour, sapwood, discolouration, knots, wood-typical characteristics allowed. the lamellas are finger-jointed in length, blunt-glued in width (D3-DIN/EN 204)

## Surface

	<b>Wood veneer</b>	
Characteristics	Standard Mismatch Character 	
Surface Attributes	The surfaces of the veneered boards are delivered surface sanded (K 100/120) after production	
Veneer Groove Glue	All veneer sheets are glued at joints to assure an excellent joint quality	
Veneer Glue	C2: Interior humidity resistant	Ö-Norm EN 12765
	Standard gluing with black or transparent glue possible. The colour of the glue has to be fixed together with your responsible salesperson before placing an order!	
See Kaindl factsheets for descriptions of individual wood species.		

## Properties

	classification	
formaldehyde release:	E1*	EN 13986
board moisture content at despatch:	6 - 10 %	EN 13353
wood species:	oak	

\* moving half year average values  $\leq 8,0$  mg HCHO / 100 gr. absol. dry chipboard

## Tolerances

	unit	classification	
thickness tolerance:	mm	+/- 1,0	
tolerance length	mm	+20	
tolerance width	mm	+5	

## Construction physical properties

	unit	classification acc. to EN 13986	test method
fire class: minimum-density > 400kg/m <sup>3</sup> minimum-thickness > 12mm		D-s2,d0	(2003/43/EG)
water vapour - coefficient of resistance: middle-density 500kg/m <sup>3</sup>	$\mu$ wett $\mu$ dry	70 200	EN ISO 12524
airborne sound insulation: frequency range 1 kHz to 3 kHz areal density > 5 kg/m <sup>2</sup>		$R = 13 \times \lg(m_a) + 14$	EN ISO 140-3
grade of acoustical absorption: frequency range 250 to 500 Hz frequency range 1000 to 2000 Hz		0.1 0.3	EN ISO 354
heat conductivity: middle-density 500kg/m <sup>3</sup>	W/(m·K)	$\lambda = 0.13$	EN 12664

## Storage tips

KAINDL - FUMAKO veneered solid wood board, Charismo are delivered with protective film around the edges to protect them from moisture.  
KAINDL - FUMAKO veneered solid wood board, Charismo must be stored fully flat and horizontally in closed and dry rooms.  
The bottom side of the pallet must be protected from undesirable moisture (e.g. chipboard). 5 skids are recommended.  
KAINDL - FUMAKO veneered solid wood board, Charismo 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 65%.  
See also Standard CEN/TS 12872:2007  
KAINDL - FUMAKO veneered solid wood board, Charismo should be processed quickly to avoid colour changes etc. through prolonged storage.

## Further processing

KAINDL - FUMAKO veneered solid wood board, Charismo can be processed using standard woodworking machinery and must be acclimatised for approx. 48 hours prior to processing.  
When processing Kaindl FUMAKO veneered solid wood panels, the general rules of processing solid wood has to be considered.  
Dovetails keys and other stabilizing measures need to be followed at the planning/ construction, especially for large-area applications.  
KAINDL - FUMAKO veneered solid wood board, Charismo is delivered with a surface sanding (K 100/120) after production.  
Before processing any further surface treatment (varnishing, staining etc.) please remove all residues such as 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 undulation and slight tears do not represent quality defects. They are caused by differences in position of the annual rings on solid wood strips and are a natural property of solid wood.  
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.