



**BOARDS. FLOORS. IDEAS.**

# KAINDL Laminate

## Technical Data Sheet

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### Areas of use / Application

Kaindl Laminates for numerous applications in vertical and horizontal areas as kitchen- and office furniture, ceiling liners, shelves and furniture elements as well as many other applications of interior decoration (excepting sales counter).  
According to the specifications the top side of Kaindl Laminates require an additional Overlay.  
Postforming: see further processing

### Construction

decorative paper  
core paper  
balancer



### Size

Standard size	Coils on demand
length: 3050 mm and 2150 mm	
width: 1350 mm and 1020 mm	
thicknesses: 0.3 to 1.2 mm	special sizes on demand

### Properties

	unit		test method
general surface properties		thermosetting, fade resistant, easy to clean	
manufacturing process		CPL Continuous pressure laminate	
density	kg/m <sup>3</sup>	ca. 1350-1500	EN 323

### Tolerances

	unit	classification acc. to EN 438	test method
evenness tolerance*	mm/m	60	EN 438-2:2005
thickness tolerance	mm	± 0.1	EN 438-2:2005
tolerance length and width	mm	+ 10/ - 0	EN 438-2:2005
edge-straightness tolerance	mm/m	1.5	EN 438-2:2005
rectangular tolerance	mm/m	1,5	EN 438-2:2005

\*for laminates with thickness ≤ 0,3 mm deviations acc. to the tolerances are possible

## Surface properties

	unit			test method
abrasion durability	characteristic		abrasion point at start IP	abrasion value (IP+FP)/2
		ex Overlay Print Dekor	< 50	≥ 50
	1	with Overlay Print Dekor	grade 3/ ≥ 150	grade 3/ ≥ 350
	1	with Overlay UNI, White	grade 3/ ≥ 150	grade 3/ ≥ 350
		classification acc. to EN 438		
behaviour against shock loading (small diameter)	characteristic	thickness ≤ 0,40 mm	≥ 10 N	EN 438-2:2005
	2	thickness ≥ 0,40 mm	grade 2 / ≥ 15 N	
		thickness ≥ 0,70 mm	grade 3 / ≥ 20 N	
scratch resistance	characteristic	grade 3* / 2 N		EN 438-2:2005
surface irregularities	mm <sup>2</sup> /m <sup>2</sup>	dirt, blotches	< 1	EN 438-3:2005
	mm/m <sup>2</sup>	fibres, hairs and scratches	< 10	
resistance to staining	grade 5	group 1+2: no visible changing		EN 438-2:2005
	grade 4	group 3: moderate changing of gloss level and/or colour		
behaviour against cigarette burning	grade 3	moderate change of gloss level and/or moderate brown spots		EN 438-2:2005
behaviour against vapours	grade 3	for GL-structure: moderate changing of gloss level and/or colour		EN 438-2:2005
	grade 4	moderate change of gloss level and/or colour		
behaviour against dry heat	grade 4	moderate change of gloss level and/or colour		EN 438-2:2005
lightfastness (Xenon arc lamp)	grade	gray scale 4-5		EN 438-2:2005

\* excepting SM, NM and GL grade 2

## Storage tips

Laminates should always be stored flat, level and completely covered with a protection plate.  
The air temperature in storage room should be at 18-22°C, the relative air humidity at 50 to 60%.

## Cleaning and care

Kaindl Laminates are very hygienic and easy to clean.  
All domestic cleaning agents can be used for cleaning Kaindl Laminates. - Do not use scouring agents (see also the technical data sheet).  
For daily care it is only necessary to clean Kaindl Laminate with a damp cloth. Handle in the same way as conventional wooden boards.  
Sanding, sealing or polishing the surface are not necessary because of the special surface of Kaindl Laminate.  
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 Laminates will lead to scratches on the surface.  
Test the cleaning agent always at an inconspicuous area.  
Always use a kind of underlay or protective mat.  
When using any kind of computer mouse - a mouse mat must always be used!

## Further processing

Kaindl Laminates can be applied onto products derived from timber such as chipboards, MDF-boards, plywood and block boards.  
Kaindl Laminates can be bonded by using customary urea resin glue and dispersion adhesives by following the manufacturer instruction.  
Laminates can be bonded onto the substrate in a cold or hot pressing process.  
When using any kind of **contact adhesives** the respective application has to be approved by the adhesive supplier.  
The following parameters must be considered – max.room temperature, application quantity, shearing force, flexibility, etc...  
Metallic-Laminate: Temperature not over 60°C, forming pressure max. 1,5 to 2,0 kg/m<sup>2</sup>  
Please note:  
By the used Overlay with printed decors slight colour divergences, caused by the product construction, in comparison to products without additional Overlay are possible!  
Postforming:  
Kaindl Laminates ≤ 0.7 mm are basically longitudinal deformable.  
However, the deformability of Kaindl Laminates ≤ 0.7 mm depends on various parameters (e.g. profile radius, profile geometry, technical preconditions, etc.)  
Storage duration and storage conditions (see Storage tips) influence the deformability of Kaindl Laminates.  
A test deformation should always be carried out.  
In the case of non-observance, no supplementary claims under warranty can be accepted.  
Standard stock goods are NOT suitable for postforming.

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.