



**BOARDS. FLOORS. IDEAS.**

# KAINDL Optiboard

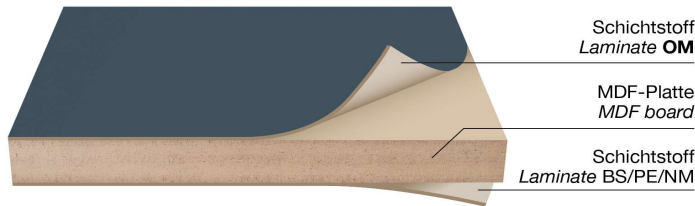
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## Technical Data Sheet

### Areas of use / Application

Kaindl Laminates with Anti-Fingerprint finish for numerous applications as furniture and other applications of interior decoration. Highly resistant anti-fingerprint finish.

### Construction



### Standard Size

2790 / 1300mm

### Properties

Raw MDF	unit	classification acc. to EN 622-5 MDF				test method
		value <mm>				
		>6 - 9	>9 - 12	>12 - 19	>19 - 30	
density:	kg/m <sup>3</sup>	≥ 700kg / m <sup>3</sup> *				
bending strength:	N/mm <sup>2</sup>	23	22	20	18	EN 310
bending elasticity module:	N/mm <sup>2</sup>	2700	2500	2200	2100	EN 310
cross tensile strength:	N/mm <sup>2</sup>	0,65	0,60	0,55	0,55	EN 319
expansion thickness 24h:	%	17	15	12	10	EN 317

Surface	unit	value <mm>	test method
Spots, dirt	mm <sup>2</sup> / m <sup>2</sup>	≤ 1	EN 438-2:2016
Fibres, scratches, hair	mm / m <sup>2</sup>	≤ 10	EN 438-2:2016

Size	unit	value <mm>	test method
Thickness tolerance	mm	± 0,4	EN 438-2:2016
Length and width	mm	± 5	EN 14323
Squareness	mm/m	2	EN 438-2:2016
flatness:	mm/m	≤ 2	EN 14322

Surface Properties	unit	value <mm>	test method
Abraision resistance	revolutions	IP 350	EN 438-2:2016
Resistance to water vapour		≥ 4	EN 438-2:2016
Resistance to dry heat (180°C)		≥ grade 4	EN 438-2:2016
Resistance to wet heat (100°C)		≥ grade 4	EN 438-2:2016
Scratch resistance		grade 3	EN 438-2:2016
Resistance to staining		group 2: grade 5* group 1 and 3 :grade 5*	EN 438-2:2016
Light fastness (Xenon-arc)		≥ 6	EN 438-2:2016
Resistance to microscratches	method A	grade 2	EN 16094
	method B	grade 2	EN 438-2:2016
Gloss level		at 60° : 2,5 ± 1,5	EN 438-2:2016

\* Testing was carried out with the five normatively required substances

Physical Properties	unit	value <mm>	test method
Resistance to impact small ball	mm	≥ 20N	EN 438-2:2016

Emissionen	unit	value <mm>	test method
Formaldehyde		E1	EN 16516 <sup>1)</sup>
		Requirements fulfilled	CARB / EPA TSCA Title <sup>2)</sup>

<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.

Food safety / hygiene	unit	value <mm>	test method
Hygiene		harmless in direct contact with food	EN1186 / EN13130

## Storage tips

Kaindl Optiboards should always be stored flat and level.

The air temperature in storage room should always be at 18-22°C, the relative air humidity at 50-60%.

See also standard CEN/TS 12872:2006.

## Cleaning and care

Kaindl Optiboards are very hygienic and easy to clean. In general, dirt should be removed straight from the surface of your Kaindl Optiboard with a damp cloth.

The following agents can cause considerable damage to the surface of your Kaindl Optiboard and must therefore not be used for cleaning:

- No abrasive or scouring agents (e.g. stainless steel pads, sponges with abrasive fleece, cleaning milk, cleaning powder, etc.)
- No highly concentrated acids and alkalis
- No cleaning agents such as sanitary cleaners or chlorine cleaners
- No polishing agents

Always use cleaning agents sparingly, carefully and only in dirty areas.

Do not leave on for a longer period of time.

Direct cutting with knives on the decor can lead to cutting marks. Always use a backing.

Always wipe away water (moisture) in the joint area.

Detailed information on cleaning and care can be found in the information sheet "Cleaning and care of Kaindl Optiboards".

## Further processing

Kaindl Optiboards can be processed by common wood working machines.

Detailed tool information can be found in the Kaindl information sheet "Processing Kaindl Optiboards".

Before processing Kaindl Optiboards please inspect for any visible damages.

The edges of the Kaindl Optiboard should be permanently protected from moisture by edging.

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

The recommendations and information given in this Data 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.