

KAINDL Worktop BOARDS

Technical Data Sheet

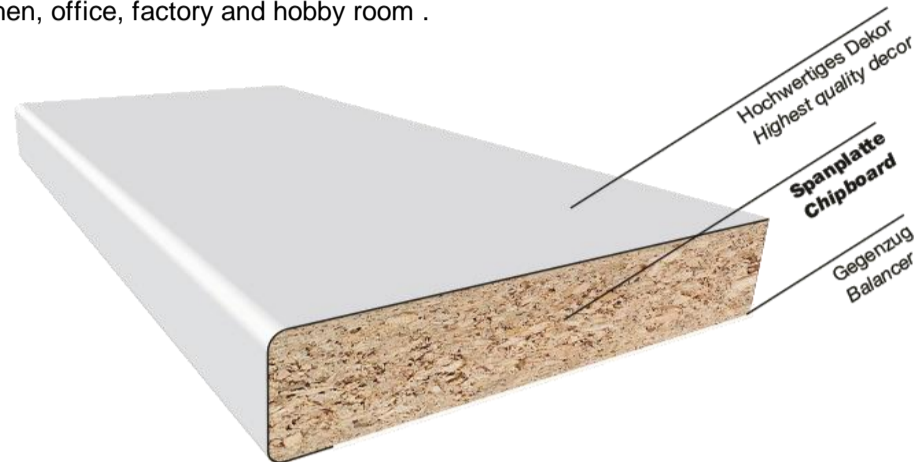
APLS 03/12-08

Areas of use / Application

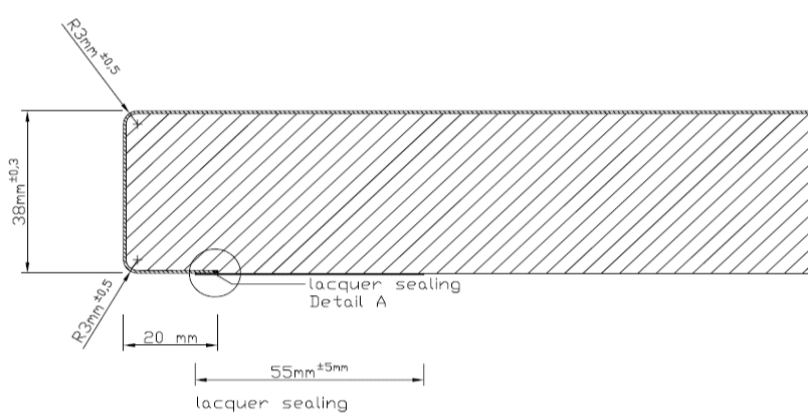
Kaindl Worktops will be used for kitchen, office, factory and hobby room .

Construction

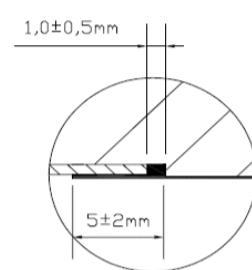
lamine
substrate: chipboard P2 E1/CA
balancer
reverse side with lacquer sealing



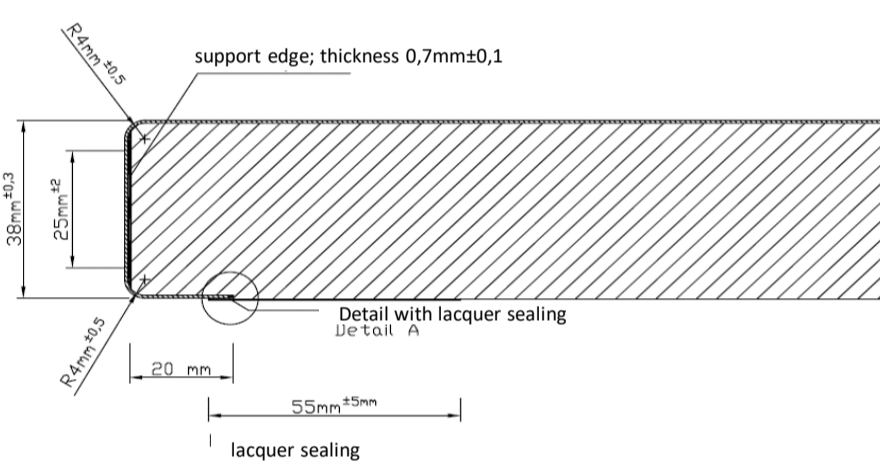
G03-profile:



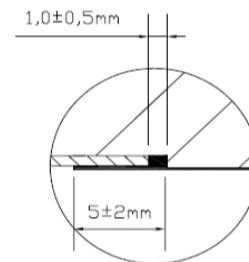
Detail A:



GS3-profile:



Detail A:



Size

length: 4100 mm
width: 900 mm and 600 mm
thickness: 38 mm

Panel characteristics

	unit	classification acc. to EN 312	
		Thicknesses <mm> > 32to40	test method
density:	kg/m ³	at factory specification	
bending strength:	N/mm ²	8,5	EN 310
bending elasticity module:	N/mm ²	1200	EN 310
cross tensile strength:	N/mm ²	0,2	EN 319

	unit	classification acc. to EN 312	
		Thicknesses <mm> > 32to40	test method
surface soundness:	N/mm ²	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 Chemikalienverbotverordnung 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.

Tolerances

	unit	classification	test method
length- and width tolerance: - length tolerance - width tolerance >500mm	mm mm	-5/+ 10 ± 0,5 (plus ± 0,05 per 100mm)	EN ISO 13894
thickness (based on the finished size)*:	mm/m	38 ± 0,4	EN ISO 13894
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.

Flatness

product length /- width	unit	max. deviation	test method
≤ 600mm	mm	0,9	EN 13894
601 - 700mm		1,1	
701 - 800mm		1,3	
801 - 900mm		1,6	
901 - 1000mm		2,0	
1001 - 5600mm		2,0/meter	

Surface properties

	unit	classification acc. to EN 438-3	test method
classification: laminate		0,6 mm	EN 438-3:2016
general surface properties		thermosetting and easy to clean	
manufacturing process		CPL Continuous pressure laminate	
scratch resistance	characteristic 3	grade 3* / 2 N	EN 438-2:2016
behaviour against shock loading (small diameter)		≥ 15 N	EN 438-2:2016
surface irregularities	mm ² /m ² mm/m ²	dirt, blotches < 1 fibres, hairs and scratches < 10	EN 438-2:2016
resistance to staining	grade 5 grade 4	group 1+2 no visible change group 3 moderate change of gloss level and/or colour	EN 438-2:2016
behaviour against vapours	grade 4	moderate change of gloss level and/or colour	EN 438-2:2016
behaviour against dry heat	grade 4	moderate change of gloss level and/or colour	EN 438-2:2016
light fastness (Xenon arc lamp)	grade 4-5	gray scale	EN 438-2:2016
abrasion durability		abrasion point at start IP ≥ 150 revolutions	EN 438-2:2016

* except: GL, SM and NM: grade 2

Storage tips

Kaindl Worktops should always be stored flat, level and completely covered.
The air temperature in storage room should be at 18-22°C, the relative air humidity at 50 to 60%.
See also Standard prCEN/TS 12872:2006

Cleaning and care

Kaindl Worktops are very hygienic and easy to clean.
All domestic cleaning agents can be used for cleaning Kaindl Worktops. - Do not use scouring agents or anti-scaling agents.
For daily care it is only necessary to clean Kaindl Worktops 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 Worktops.
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 Worktops with ABS edging tape 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!
• **The surface is heat resistant to 180°C** (Do not directly put down hot pots or pans from the oven onto the working top).
Do not place burning cigarettes on the surface.

Further processing

Kaindl Worktops can be processed by common wood working machines.
Before processing Kaindl Worktop please inspect for any visible damages.
Edges of Kaindl Worktops should be protect against moisture by application with an edging tape:

Application of the provided melamine edging tape:

The provided melamine edging tape can be bonded by using common edging tape machines and dispersion adhesives by following the manufacturer instructions. Edging tapes can be bonded onto the working top edge in a cold or hot process.

Application of an **accessory hot-melt edging tape**:

The accessory hot-melt edging tape can be bonded by using a common iron. Temperature adjustment: Wool/Silk.
- Apply moderate pressure on the edge until cool

Excess edging can be removed by using a chisel or a timber file.

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.