



BOARDS. FLOORS. IDEAS.

KAINDL Laminate-Solid White

Technical Data Sheet

SHTSW 10/13-01

Areas of use / Application

Kaindl Laminate Solid White 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. Postforming: Kaindl Laminate Solid White are not deformable.

Construction

decorative paper
coloured core paper



Size

Laminate sheets		
length:	2800 mm	special length on demand
width:	1350 mm	
thickness:	0,8mm	

Properties

	unit		test method
general surface properties		thermosetting, fade resistant, easy to clean	
manufacturing process		CPL Continuous pressure laminate	
density	kg/m ³	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

Surface properties

	unit		classification acc. to EN 438		test method
	Kennzahl	ex Overlay UNI, White	abrasion point at start IP	abrasion value (IP+FP)/2	
abrasion durability	1		grade 3/ ≥ 150	grade 3/ ≥ 350	EN 438-2:2005
			classification acc. to EN 438		
behaviour against shock loading (small diameter)	characteristic 2	thickness ≥ 0,70 mm	grade 3 / ≥ 20 N		EN 438-2:2005
scratch resistance	characteristic 3		grade 3 / 2 N		EN 438-2:2005
surface irregularities	mm ² /m ² mm/m ²		dirt, blotches < 1 fibres, hairs and scratches < 10		EN 438-3:2005
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 4	moderate change of gloss level and/or colour	EN 438-2:2005
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

Storage tips

Kaindl Laminate Solid White should always be stored fully flat and horizontally on suitably level and stable pallets and protected by a cover panel. The air temperature in storage room should be at 18-22°C, the relative air humidity at 50 to 60%.

Processing

Laminates must be checked for visible damage prior to processing.

- Bonding

Kaindl Laminate Solid White is used for laminating common wood-based materials.

Due to the undulations in Blockboard and possible deformations on plywood-boards we recommend the use of chipboard P2/E1 or MDF E1 as substrate in visually crucial areas (e.g. fronts, table tops, etc...).

Work with cold bonding processes only (tension-free as possible). Thermoplastic bonding systems (PVAC adhesives) are particularly suitable.

For optical reasons and avoid visible bond joints we suggest to choose adhesives selectively.

We recommend discussing special cases with the adhesive supplier.

Please pay attention to achieving a balanced composition of the final product.

- Postforming

Kaindl Laminate Solid White $\geq 0.7\text{mm}$ is not formable due to its special chemical setting.

- Cutting

The specific properties of the product construction and the special kind of bonding system used (resins) reduce the flexibility of the laminate.

The use of carbide metal or diamond-tipped saw blades and drills is recommended for processing steps such as drilling, milling, etc.

Feed speed should be regulated accordingly (see the machine supplier's recommendations).

Tips tried and tested in practice:

- Correct saw blade projection
- Correct saw tooth shape (trapeze-shaped toothing is recommended)
- Tooth pitch, speed of rotation (RPM), cutting speed
 - Number of teeth : approx. 50 – 60
 - Cutting speed: approx. 40 – 60 m/sec.
 - RPM : approx. 3,000 – 4,000 R/min.

- Cutting-outs

The material is not suitable for sharp corners, which may lead to crack formation due to shrinkage tension in the laminate.

This property is enhanced in areas of use with frequent heat.

We recommend the use of CNC cutting machines or hand routers for the best crack-free cut-out results.

When using jigsaws, predrill the the corners of the cut-out and cut from radius to radius.

Edge post-processing (chamfering) via sandpaper, file, hand milling, etc., is mandatory.

Cleaning and care

Kaindl Laminate Solid White are very hygienic and easy to clean.

All domestic cleaning agents can be used for cleaning Kaindl Laminates. - Do not use scouring agents .

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. Always use a kind of underlay or protective mat.

Test the cleaning agent always at an inconspicuous area.

When using any kind of computer mouse - a mouse mat must always be used!

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.