

BLACK WOOD LAMINATED BOARDS

BLACK WOOD laminated boards

1. Product description

BLACK WOOD laminated boards (SWISS KRONO BLACK WOOD laminated board) are refined on the surface by pressing resin-saturated decorative paper sheets (melamine films) onto them.

The base-board is BLACK WOOD raw board – very high density fibre boards (HDF) with a homogeneous raw material composition throughout, which ensures good machinability in the machining process. The boards are dyed black in the mass.

BLACK WOOD boards have a low swelling. They are also flame retardant.



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PLYTA SUROWA **BLACK WOOD**
BLACK WOOD RAW BOARD

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Types of surfaces of laminated BLACK WOOD:

OW – ONE Wood

PE – pearl surface (orange peel)

SM – smooth

VL – mat

Standard collection – size 2800 x 2070 x 12 mm:

Lp.	Decor	Surface	Name
1	K101	PE	WHITE
2	U570	VL	WHITE PORCELAIN
3	U119	PE	LIGHT BEIGE
4	U6933	VL	CASHMERE
5	U112	PE	GREY
6	U3057	VL	LAVA GREY
7	U164	PE	ANTHRACITE
8	U190	PE	BLACK
9	D1041	OW	ETERNAL OAK
10	D3821	OW	STOCKHOLM OAK
11	D4878	VL	SOPHISTICATED GREY ROCK

2. Application

BLACK WOOD laminated boards can be used for the production of furniture and as a decorative material for interior finishing, in residential and public buildings. The low swelling of the boards allows them to be used also in rooms with high air humidity, such as bathrooms and kitchens, but the boards cannot be exposed to direct contact with water.

Humid conditions, i.e. characterized by material humidity specific to a temperature of 20°C and relative humidity of the surrounding air, which is higher than 85% only for a few weeks a year.

3. Technical data

Size (mm): 2800 x 2070

Thickness (mm): 6, 8, 10, 12

Physical and mechanical parameters of BLACK WOOD laminated boards: Standard EN 14322

Parameter	Unit	Standard EN 14322	Testing standard
Scratch resistance	N	≥ 3	EN 14323
Abrasion resistance	rotation	Class 1* (IP≥50, IP+FP/2≥150)	EN 14323
Stain resistance	scale	5	EN 14323
Crack resistance	scale	5	EN 14323
Color matching	scale	R4	EN 14323
Thickness swelling	%	8 - 11	EN 14323
Formaldehyde emission		Class E1 / ED2020	EN 717-1
Reaction to fire	class	C-s1,d0 (flame retardant)	EN 13501
Thickness tolerance	mm	+/- 0,3	EN 14323
Length and width tolerance	mm	+/- 5	EN 14323
Flatness	mm/m	≤ 2 (for flat surfaces only)	EN 14323
Surface defects	mm ² /m ²	spot ≤ 2	EN 14323
	mm/m ²	at length ≤ 20	EN 14323

* for Unicolors - **Class 3A** (IP≥150, IP+FP/2 ≥ 350)

BLACK WOOD laminated boards have **antibacterial properties**.

Maintenance:

Use a soft, dry or moist cloth for the care and maintenance of BLACK WOOD laminated boards. Larger dirt can be removed using a solution of washing-up liquid. Then, wipe it with a damp, soft cloth, and keep wiping until it dries. Do NOT use any aggressive cleaning agents (e.g. solvents) or polishing agents on the laminated surface finish.

Physical and mechanical parameters of BLACK WOOD raw boards:

Parameter	Unit	Standards EN 622-1, EN 622-5, Tab.3				Testing standards
		6,0	8,0	10,0	12,0	
Thickness	mm	6,0	8,0	10,0	12,0	
Density	kg/m ³	940	940	930	930	EN 323
Bending strength	N/mm ²	50				EN 310
Integral bond	N/mm ²	≥ 2,0				EN 319
Modulus of elasticity - major axis	N/mm ²	5000				EN 310
Swelling after 24h	%	< 7		< 5		EN 317
Tearing off	N/mm ²	> 2,5				EN 311
Formaldehyde emission	ppm	E1				EN 717-1
Mineral particle content	%	< 0,1				sample combustion and HCl etching method
Moisture content	%	3 - 7				EN 322
Reaction to fire	class	C-s1,d0 (flame retardant)				EN 13501
Thickness tolerance	mm	+/- 0,20				EN 324-1
Density tolerance	%	+/- 5				EN 323
Length and width tolerance	mm	+/- 5				EN 324-1
Squareness tolerance	mm/m	2				EN 324-2
Edge straightness tolerance	mm/m	1,5				EN 324-2

4. Certificates

- Hygienic Atestation – class E1
- Certificate ED2020
- Reaction to fire - class C-s1,d0
- DoP – Declaration of Performance
- Certificate confirming antibacterial properties

5. Packaging, storage and transport

Packaging material:

- nailed or glued bottom spacers (made of chipboard), 72 mm high,
- bottom cover board (made of chipboard or MDF), thickness: ≥ 25 mm
- top non-nailing spacers, 10-20 mm thick - single,
- protective cardboard,
- polyester tape 16 mm wide,
- info label.

Warning: The boards should be stored and transported in horizontal position, on a dry and flat surface, in a way preventing them from getting wet or mechanically damaged.

Thickness	Size 2800 x 2070 mm			
	Number of pieces per pallet	Package height	Pallet gross weight*	Number of pallets per truck
mm	pcs.	mm	kg	pcs.
6	10	60	420	57
8	10	80	530	45
10	10	100	630	38
12	35**	420	2360	10

* weight tolerance +/-5%

** - for custom packaging