

# BLACK WOOD RAW BOARDS

## BLACK WOOD raw boards

### 1. Product description

**BLACK WOOD raw board** (SWISS KRONO BLACK WOOD raw board) is a wood-based product produced by pressing wood fibers with the addition of synthetic resins under high pressure and temperature conditions. It is a material with homogeneous, high density (HDF) and raw material composition throughout. Thanks to this, it has good machinability in the machining process. The high-quality surface of the boards allows for refinement by lamination, varnishing and covering with artificial or natural veneer. BLACK WOOD boards are dyed black in the mass.

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

### 2. Application

**BLACK WOOD raw 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; however, the boards cannot be exposed to direct contact with water.

Raw BLACK WOOD boards can be varnished, waxed, covered with HPL laminates and natural or artificial veneers.

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 raw boards:

Parameter	Unit	Standards EN 622-1, EN 622-5, Tab.3				Testing standards
Thickness	mm	6,0	8,0	10,0	12,0	
Density	kg/m <sup>3</sup>	940	940	930	930	EN 323
Bending strength	N/mm <sup>2</sup>	50				EN 310
Integral bond	N/mm <sup>2</sup>	≥ 2,0				EN 319
Modulus of elasticity - major axis	N/mm <sup>2</sup>	5000				EN 310
Swelling after 24h	%	< 7		< 5		EN 317
Tearing off	N/mm <sup>2</sup>	> 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-s2,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
- Reaction to fire - class C-s2,d0
- DoP – Declaration of Performance

## 5. Packaging, storage and transport

Packaging material:

- bottom spacers, height 90mm x width 82mm, with a length equal to the width of the pallet,
- cover board (made of chipboard or MDF), thickness:  $\geq 25$  mm,
- top spacers, height 16 mm x width 150 mm, with a length equal to the width of the pallet,
- 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.

### Packaging of BLACK WOOD raw boards:

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	72	432	2450	9
8	54	432	2450	9
10	44	440	2460	9
12	36	432	2420	9

\* weight tolerance +/-5%