

SWISS KRONO BLACK WOOD Worktop (Width 12 mm) Processing, Installation and Use Manual

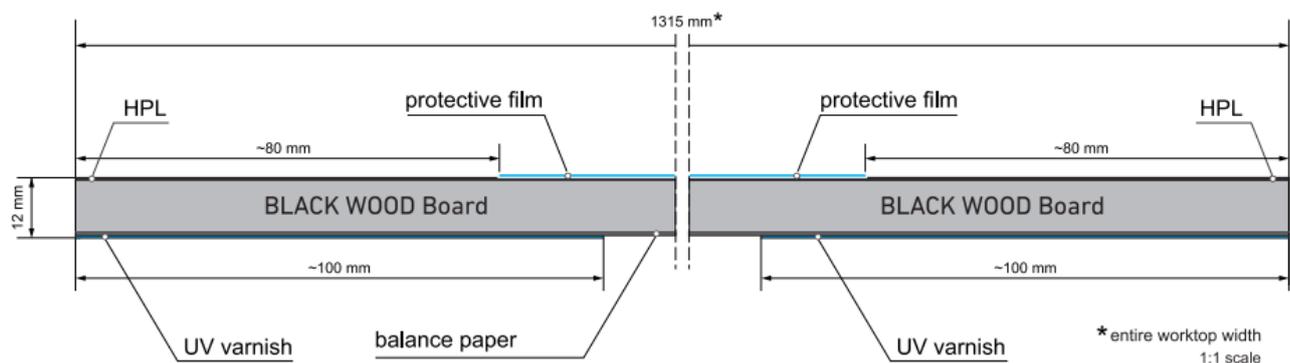
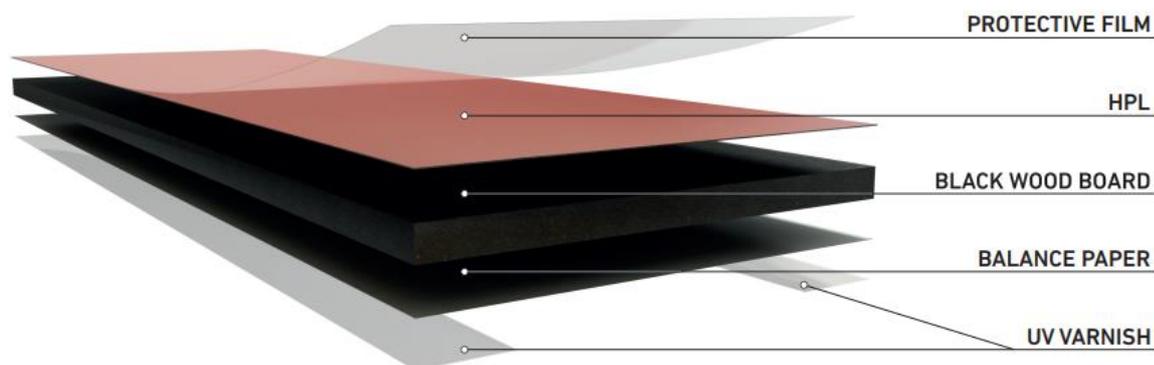
BLACK WOOD* Worktop is a wood-based product which has hygroscopic properties resulting from the properties of the raw material that it is made of. This means that it is a material that responds to changes of humidity within the environment that it is found in - it swells when air humidity increases and it evaporates water, shrinking, when air humidity decreases.

***BLACK WOOD** = HDF board made of wood fibres, of very big density, coloured black.

Suspended sinks should not be installed in BLACK WOOD Worktops.

BLACK WOOD Worktop structure:

- base board: BLACK WOOD (of very big density and great hardness, coloured black, made of wood fibres and synthetic resins),
- top layer - HPL with protective film,
- worktop underside - balance paper + UV varnish (which should always be towards the front of the worktop)



Storage and transport

- The worktops should be stored in a horizontal position and supported entirely upon a flat surface.
- The worktops should be stored in a dry and closed room, in stable temperature conditions above 5°C, relative air humidity from 45% to 65%, min., 1.5 m away from a direct source of heat.
- While loaded and unloaded, the worktops should be lifted. They should not be shoved about and their edges should not be pulled.
- The protective film should be removed only after completion of worktop installation.
- Any foreign bodies or pollutants causing friction found in the stack of worktops, may cause dents and surface damage.

IMPORTANT: Improper storage may lead to permanent deformation of the worktops.

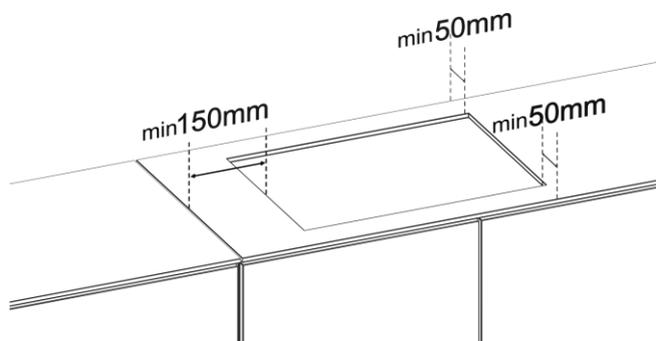
Preparation:

- Before installation, we recommend acclimatisation of the worktops to room temperature. It is recommended to season them in the room where they will be installed for min. 24 h.
- The worktops should be installed and used in heated, closed and ventilated rooms, guaranteeing their protection against high humidity, extreme temperatures or direct intensive operation of sunlight.
- It is recommended to install the worktops after completion of all other renovation works in the place of the target use of the worktop.
- We recommend checking each worktop in terms of its dimensions, mechanical damages, as well as visible defects and colour differences before proceeding to its processing.
- The BLACK WOOD Worktop is a product of high density and weight (1 piece weighs about 60 kg), so we recommend worktop lifting by two persons. To avoid damages, the worktops should be lifted in a vertical position, with their longer side supported.
- Thin BLACK WOOD Worktops may be processed on CNC machine and with the use of carpentry tools, e.g. panel saw, holesaw, router. The tools should be sharp, which significantly affects edge quality. Before proceeding to the processing, it is recommended to perform trial tests to adjust the tool parameters properly. Due to hardened external surface and density of the material, BLACK WOOD Worktop processing may lead to faster wear and tear of the tools.

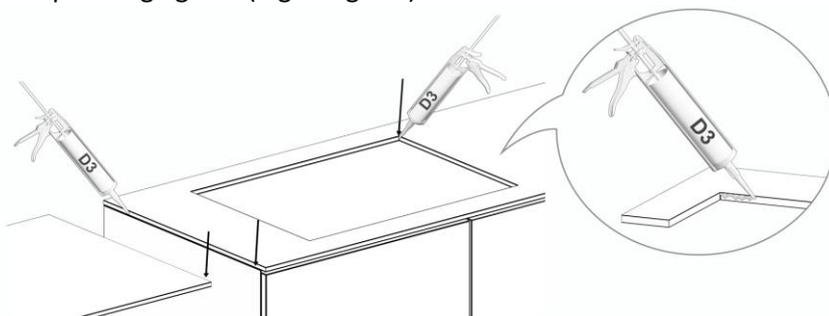
Cutting to size

- Sharp tools should be always used for worktop cutting.
- Bore the corners of the mould (sink, cooktop) with the use of a drill, e.g. the one for metal, and then, cut the hole to size with the use of router or plunge-cut saw. We recommend using guides for making straight cuts.
- After mechanical processing, each edge should be abraded with the use of fine sandpaper.

Warning: The distance between the cut and the adjacent worktop joint has to be minimum 150 mm and minimum 50 mm from the front of the worktop.



- After cutting, the internal edges should be protected (holes, worktop joining places) with the use of waterproofing agents (e.g. D3 glues).

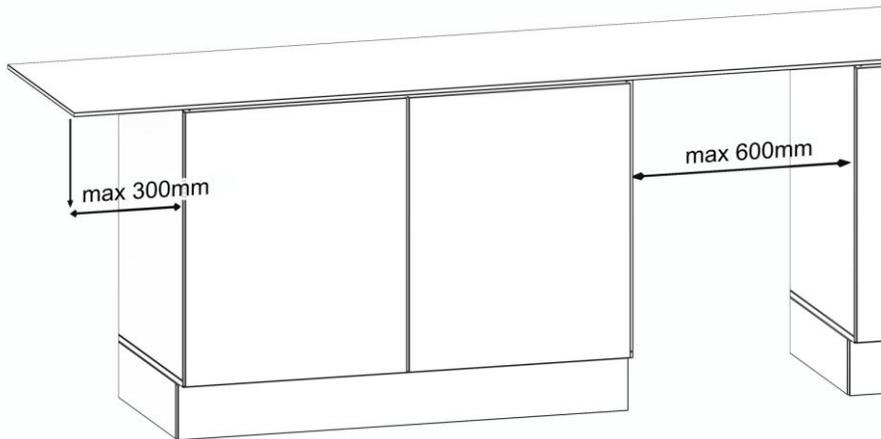


Joining

- For BLACK WOOD Worktop joining, we recommend:
 - a) special fasteners for thin compact worktops + 'domino system',
 - b) SWISS KRONO PUZZLE LOCK SYSTEM.

In both cases, the joined edges have to be protected by waterproofing agents (e.g. D3 glues).

- Non-supported parts of the BLACK WOOD Worktops may not exceed 600 mm. Overhangs should not be greater than 300 mm.
- The worktops may be joined solely in supported places.



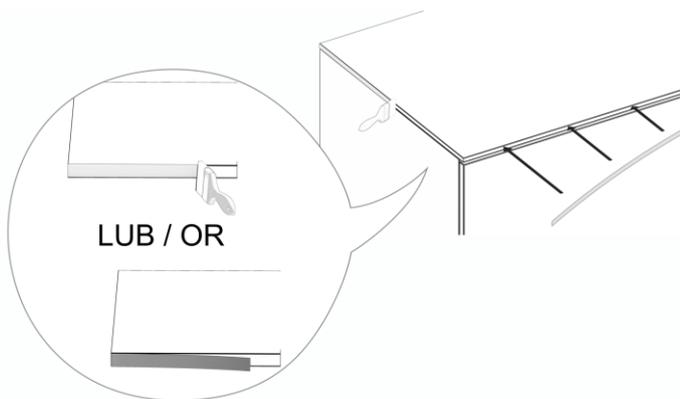
Finishing processing

- **All visible (external) worktop edges** necessarily have to **be protected** in order to close their surface and protect them against dirt, abrasion and water penetration, as well as for aesthetic reasons (use of wax deepens the black colour of the base board). For this purpose, we recommend:

a) use of colourless coatings like: hard wax, varnish.

Warning: We particularly recommend use of OSMO hard wax – applying 2 layers with the use of a roller in about an 8-hour interval – in compliance with the wax manufacturer's manual.

b) edgeband, e.g. ABS one, glued with the use of polyurethane glue.



- In case of another application than for kitchen worktop (e.g. tables, shelves, desks), the edges may be shaped freely by means of milling.

Worktop installation

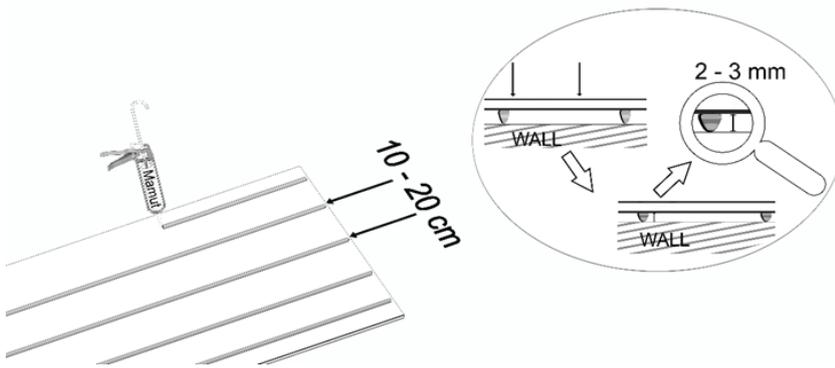
- The BLACK WOOD Worktops should be mounted to the base cabinet tops ready kits for compact worktop installation.

- Use reinforcement (e.g. supporting laths or rims) if the unsupported part of the worktop is longer than 600 mm.

- **Installation of BLACK WOOD Worktops on walls (e.g. as backsplash)** – we recommend the use of Mamut glue.

Warning: Apply the glue by holding the cartridge perpendicular to the surface. The glue should be applied in strips at gaps of 10 to 20 cm, depending on the weight of the component to be glued. After pressing the

components together, a ventilation gap of 2 to 3 mm should remain. The glue should be applied to the item to be glued in a vertical direction, in relation to the floor.



- After completion of the installation works, remove all protections from the worktop surface (protective film).

Warnings:

The sink should be installed in compliance with the manufacturer's recommendations, with the use of stay tapes, as well as additional protection in the form of waterproofing agents (e.g. D3 glues). Additionally, distance strips, adapted for assembly the sink on a thin worktop, should be glued (using, for example, cyanoacrylate instant glue).

Household appliances should be installed in compliance with the manufacturer's manual. In case of household appliances installed under the worktop (dishwasher), remember that its bottom side has to be additionally and effectively protected against the generation of water steam.

Occupational health & safety

While performing any works connected with the BLACK WOOD Worktops, observe the occupational health & safety principles, as well as use proper personal protective equipment (e.g.: hearing protection, dust masks, safety goggles, etc.). Due to hardness of the BLACK WOOD Board, be particularly careful while cutting the material.

Use and care

- It is recommended to use a soft, dry or damp cloth for the cleaning of the BLACK WOOD Worktops. Greater dirtiness may be removed e.g. with dishwashing liquid solution. Afterwards, rinse the worktop with clean water and allow it to dry completely.
- Do not use any cleaning agents containing aggressive or caustic substances or agents containing abrasive or gloss additives - as they may permanently damage the worktop surface.
- Before using any cleaning agent, read the description attached thereto, to be sure whether it is suitable for the surface of this type (HPL).
- Remove greater dirtiness, e.g.: that caused by felt-tip pen, nicotine, nail polish or shoe polish, with the use of spirit or organic solvent (e.g. acetone) and rinse the worktop surface with clean water and allow it to dry completely.

To avoid damages of the worktop surface, it is recommended to observe the following principles:

- use generally available mats to protect the worktop against the effects of heat in case of hot pots, frying pans and other dishes, in particular, ones immediately taken off the cooker or directly taken out of the oven,
- do not open the dishwasher just after the washing cycle has ended, since very hot steam affecting the underside of the worktop may lead to its irreversible damage,
- use cutting boards, so that the knife or another sharp tool used does not scratch the surface of the worktop,
- do not expose the worktop to water at its joints and edges,
- equip household appliances used on the surface of the worktop with soft pads; their lack may cause permanent scratching of the worktop during operation of the equipment.