

Technical data sheet (2020)

Product: Kitchen Worktops (MF PB P2EN16516splashback) Particleboards with decorative laminate coating



1. Product identification

Splashback is constructed from raw particleboard PB P2 as a supporting substrate and decorative laminates.

Particleboard PB P2 is three-layer particleboard manufactured from specially selected wood chips and high quality synthetic resin. Particleboard, sanded on both sides, is covered with decorative HPL laminate on the both sides. Surface decorative layers are bonded to substrate by dispersion PVAC adhesive, type D3.

Splashbacks in combination with worktops provide the finishing touch to worktops in kitchens, offices or work areas. They protect the walls behind the work surface.

Splashbacks are intended for vertical installation by mounting to flat substrate.

Kitchen screens are designed for vertical installation by mounting on a flat surface.

Board size: 4100mm x 640 mm x 10 mm

Manufacturer identification:

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2. Technical production specification

Production tolerances of Kitchen splashbacks

Property		Test method	Attribute / unit	Requirement
Dimensional tolerances	Width	EN ISO 13894-1	Board width 640 mm	± 0,55 mm
	Length (unmachined board)	EN ISO 13894-1	Board length 4100 mm	-5/+10 mm
	Thickness	EN ISO 13894-1		± 0,5 mm
Edge straightness		EN ISO 13894-1		± 0,50 mm
Edge squareness		EN ISO 13894-1		≤ 2,0 mm/m

Production specification related to core particleboard

Bending strength	EN 310	N/mm ²	≥ 8,5
Modulus of elasticity in bending	EN 310	N/mm ²	≥ 1200
Internal bond	EN 319	N/mm ²	≥ 0,20
Surface soundness	EN 311	N/mm ²	≥ 0,8
Density tolerance	EN 323	kg/m ³	± 10 %
Moisture content	EN 322	%	2 - 12 %

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Production specification related to decorative laminate HPL			
Resistance to surface abrasion	EN 438-2.10	IP, number of revolutions	≥ 50
Resistance to impact with large diameter ball	EN 438-2.21	Drop height [mm]	≥ 600
Scratch resistance	EN 438-2.25	Appearance, grade	≥ 1 (SQ finishes) ≥ 2 (other finishes)
Resistance to staining	EN 438-2.26	Group a 1 + 2, grade Group 3, grade	≥ 4 ≥ 4
Resistance to water vapour	EN 438-2.14	Appearance, grade	≥ 2 (SQ finishes) ≥ 3 (other finishes)
Dry heat resistance ^c (exposition to 160°C for 20 minutes)	EN 438-2.16	Appearance, grade	≥ 3 (SQ finish) ≥ 4 (other finishes)
Resistance to elevated temperature ^d (exposition to 100°C for 1 hour)	EN ISO 13894-1	Appearance	No surface damaging, no cracks and colour changes

^c Determines the suitability for use in kitchens where contact with medium-hot kitchen utensils can be expected.

^d Determines the suitability for use in kitchens where the close proximity of a cooking ranges or oven can be expected.

3. Technical properties

Technical properties of Worktops		
Property	Test method, directives	Value
Reaction to fire	EN 13501-1	Class D _s 2-d0
Formaldehyde content	EN ISO 12460-5	Class E1 ≤ 8 mg/100 g
Formaldehyde emissions	EN 16516	< 0,1 ppm (0,124 mg/m ³)
	EN 717-1	< 0,05 ppm (0,062 mg/m ³)
Hygienic properties – materials for contact with foodstuff	EU regulation Commission No.10/2011 + No. 2016/1416 + No.2017/752; Directive ES no. 1935/2004	Decorative surface comply with requirement for materials intended for contact with foodstuff.

4. Instruction for transport and storage

Packing:

Each worktop is wholly wrapped in PE foil to protect against damage during transport and storage.

Transport

- Railway carriages intended for this type of transport (closed and secured against climatic influence). In the carriages there are movable obstruction and fixing device (courting) which protects the goods against the damage.
- By road trucks. Canvas covers are used to protect the goods against climatic influence and fixing device (courting) are used to disable the movement and consequent damage of the goods inside the truck.

Storage

Splashbacks should be stored on flat surface, preferably in the original packaging. The individual board packing must be interleaved, the bottom package should be placed at least 10 cm above the floor.

Boards without protective foil shall be stored in a dry and ventilated area at an optimal temperature of 15 - 25°C and a relative humidity of 40 - 65%, at distance of min. 1.5 m from the heat source.

Improper storage as well as damage to the protective PE foil can lead to irreversible changes and permanent deterioration of the boards.

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5. Instruction for handling and installation

Prior installation (after unwrapping) is essential the board conditioning. It means exposed to temperature and relative humidity of ambient air where the boards will be installed and used. The changes in temperature and relative humidity such as are encountered on building size, may cause panels to bow and twist irreversibly. These changes need to be avoided.

It is recommended to protect against the impact of high humidity and water all cut or milled edges and drilled holes. Exposure of the unprotected edge to moisture can lead to irreversible changes such as swelling in thickness. All cut-outs (for sockets etc.) in boards must be made with rounded corners with a minimum radius of 6 mm.

Installation on wall

The wall substrate must be compact and dry. The splashbacks can be fixed to the substrate by gluing or mechanical fastening (screws, rivets). In case of gluing it is recommended to use permanently elastic adhesives (e.g. PU-based or MS Polymer-based). As a gluing it is also possible to use double-sided adhesive foam mounting tape in thickness 1-2mm.

Installation in place of cookers

It is recommended to carefully consider the installation on wall behind the hob. Prolonged exposure to high temperatures can lead to changes in color and gloss. The minimum distance between the splashback and any cook top (electric or gas) is 50 mm or larger according to the hob manufacturer's instructions.

For gas cookers, the recommended distance of the burner from the hob surface is min. 200 mm, the flames must not come into contact with the splashback.

6. Protective equipment

Protective means fitting to the processing method and technical equipment of the processing plant (protective goggles, respirators, gloves, safety shoes).

7. Disposal of waste generated during worktops processing

With regards to general obligations imposed by the Act No.185/2001 Coll. (Czech law), on waste, the priority is to search for the material reuse of the respective waste in case that it was not possible to prevent its generation. In this respect those types of waste can be regarded as waste which complies with the requirements stipulated by Kronospan CR spol. s r. o. Jihlava concerning input raw material.

8. Related documents

- Cleaning and maintenance instructions for worktops
- Chemical resistance and hygienic properties of HPL