

Decor-Blockboard

Decorative faced blockboard with high bending strength, both sides melamine faced with a single or double paper construction.

Core layer made of urea glue bonded blockboard (IF 20 acc. to DIN 68705), surfaced with a particle board.



Specification							Unit	Standard
Nominal thickness	19	19	22	22	25	25	mm	
Length	2,750	5,500	2,750	5,500	2,750	5,500	mm	
Width	2,050	2,050	2,050	2,050	2,050	2,050	mm	
Thickness tolerance	+ 0.5 -0.3	+ 0.5 -0.3	+ 0.5 -0.3	+ 0.5 -0.3	+ 0.5 -0.3	+ 0.5 -0.3	mm	EN 14323
Length tolerance	± 5	± 5	± 5	± 5	± 5	± 5	mm	EN 14323
Length tolerance (pre-cut panels)	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	mm	EN 14323
Width tolerance	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	mm	EN 14323
Width tolerance (pre-cut panels)	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	mm	EN 14323
Flatness (length)	≤ 2 ¹	≤ 2 ¹	≤ 2 ¹	≤ 2 ¹	≤ 2 ¹	≤ 2 ¹	mm/m	EN 14323
Flatness (width)	≤ 2 ¹	≤ 2 ¹	≤ 2 ¹	≤ 2 ¹	≤ 2 ¹	≤ 2 ¹	mm/m	EN 14323
Edge defects	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10	mm	EN 14323
Edge defects (pre-cut panels)	≤ 3	≤ 3	≤ 3	≤ 3	≤ 3	≤ 3	mm	EN 14323
Surface defects	≤ 2 ² ≤ 20 ³	≤ 2 ² ≤ 20 ³	≤ 2 ² ≤ 20 ³	≤ 2 ² ≤ 20 ³	≤ 2 ² ≤ 20 ³	≤ 2 ² ≤ 20 ³	mm ² /m ² mm/m	EN 14323
Gross density	env. 590 ⁴	env. 590 ⁴	env. 585 ⁴	env. 585 ⁴	env. 580 ⁴	env. 580 ⁴	kg/m ³	EN 310
Bending strength (length)	≥ 35 ⁴	≥ 35 ⁴	≥ 35 ⁴	≥ 35 ⁴	≥ 35 ⁴	≥ 35 ⁴	N/mm ²	EN 310
Bending strength (width)	≥ 10 ⁴	≥ 10 ⁴	≥ 10 ⁴	≥ 10 ⁴	≥ 10 ⁴	≥ 10 ⁴	N/mm ²	EN 310
Modulus of elasticity in bending (length)	≥ 5,000 ⁴	≥ 5,000 ⁴	≥ 5,000 ⁴	≥ 5,000 ⁴	≥ 5,000 ⁴	≥ 5,000 ⁴	N/mm ²	EN 310
Modulus of elasticity in bending (width)	≥ 1,500 ⁴	≥ 1,500 ⁴	≥ 1,500 ⁴	≥ 1,500 ⁴	≥ 1,500 ⁴	≥ 1,500 ⁴	N/mm ²	EN 310
Resistance to cracking	min. 3	min. 3	min. 3	min. 3	min. 3	min. 3	rating	EN 14323
Resistance to abrasion (printed designs)	min. 1	min. 1	min. 1	min. 1	min. 1	min. 1	rating	EN 14323
Resistance to abrasion (plain colours)	min. 2	min. 2	min. 2	min. 2	min. 2	min. 2	rating	EN 14323
Resistance to scratching	≥ 1.5	≥ 1.5	≥ 1.5	≥ 1.5	≥ 1.5	≥ 1.5	N	EN 14323

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Width	2,050	2,050	2,050	2,050	2,050	2,050	mm	
Stain resistance (groups 1 & 2)	min. 3	min. 3	min. 3	min. 3	min. 3	min. 3	rating	EN 14323
Light fastness (xenon arc light)	min. 4 ⁵ min. 3 ⁶	min. 4 ⁵ min. 3 ⁶	min. 4 ⁵ min. 3 ⁶	min. 4 ⁵ min. 3 ⁶	min. 4 ⁵ min. 3 ⁶	min. 4 ⁵ min. 3 ⁶	grey scale rating	EN 14323
Reaction to fire	normally inflammable	normally inflammable	normally inflammable	normally inflammable	normally inflammable	normally inflammable		DIN 4102-1
Reaction to fire (Euro-class)	D-s2,d0	D-s2,d0	D-s2,d0	D-s2,d0	D-s2,d0	D-s2,d0		EN 13501-1, CWFT
Formaldehyde emission class	E1	E1	E1	E1	E1	E1		EN 120
Field of application	dry conditions	dry conditions	dry conditions	dry conditions	dry conditions	dry conditions		EN 13986
Durability	hazard class 1	hazard class 1	hazard class 1	hazard class 1	hazard class 1	hazard class 1		EN 335-3

¹ If symmetrical construction

² Dirt, spots and similar surface defects

³ Fibres, hairs and scratches

⁴ Core material

⁵ Except metallic designs

⁶ Metallic designs

Additional Information

Product safety	<ul style="list-style-type: none"> The material is not rated as hazardous material. The surface is physiologically safe, and approved for direct contact with food. The decorative coating consists of printed or dyed décor papers. They are saturated in the duroplast melamine-formaldehyde resin, which then hardens during the laminating process to form a highly resistant, non-reactive material. We manufacture the panels without the use of halogens, heavy metals, preservatives, wood protectors or organic solvents. This product is following the REACH regulation EG 1907/2006 an article. Following Article 7 it needs not to be registered.
Chemical resistance	<ul style="list-style-type: none"> Resistant to organic solvents, weak acids, petrol and oil.

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<p>Special</p>	<ul style="list-style-type: none"> • The coarser the structure and the lighter the decor, the greater the scratch resistance. • The smoother the structure and the the darker the decor, the more sensitive it gets to stains. • Holohedral metallic designs can show because of light refraction certain optical area effects which also can be directional and slightly higher differences in the colour connection in comparison to classic plain colours. • Please consider that metallic designs react more sensitive to scratching as well as to humidity as normal printed designs. The sensitivity of the surface increases with growing metallic content. Also the abrasion values of the relevant product standard are therefore only limited fulfilled.
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