

## Technical details

Product		Fire Protection Melamine Faced Chipboard				
Specification				Unit		Standard
<b>Core board</b>	Fire-retardant chipboard, type P2					EN 312
<b>Surface</b>	Melamine impregnated paper in single or double sheet construction (max. 160 g/m <sup>2</sup> )					EN 14322
<b>Nominal thickness</b>	6 to <15	≥15 to 20	>20 to 40	mm		
<b>Thickness tolerances</b>	± 0,3	+ 0,5 - 0,3	± 0,5	mm		EN 14323
<b>Length/width tolerances</b>	Format boards: ± 5,0 Cut sizes: ± 2,5			mm		EN 14323
<b>Squareness</b>	± 2			mm/m		EN 324
<b>Edge straightness</b>	± 1,5			mm/m		EN 324
<b>Edge nicks</b>	Format boards: ≤ 10 Cut sizes: ≤ 3			mm		EN 14323
<b>Flatness</b>	-	≤ 2 (if symmetrical construction)	≤ 2	mm/m		EN 14323
<b>Density</b>	600 - 700			kg/m <sup>3</sup>		EN 323
<b>Moisture content</b>	5 - 13			%		EN 323
<b>Abrasion resistance</b>	Plain colours: 2-3 (depending on paper thickness) Printed designs: 1			class		EN 14323
<b>Scratch resistance</b>	Smooth textures: approx. 1,5 Medium textures approx. 2 Deep textures approx. 3 (the lighter the design, the better the scratch resistance)			degree		EN 14323
<b>Susceptibility to cracking</b>	min. 3			degree		EN 14323
<b>Porosity</b>	No open pores					
<b>Stain resistance</b>	min. 3			degree		EN 14323
<b>Chemical resistance</b>	Resistant to organic solvents, weak acids and lyes, benzine and oils					
<b>Surface defects</b>	≤ 2			mm <sup>2</sup> /m <sup>2</sup>		
<b>Colour fastness (xenon arc lamp)</b>	min. 4 (except metallic designs)			degree		EN 14323

Thickness	>6 - 13	>13 - 20	>20 - 25	mm	
<b>Bending strength</b>	≥ 13	≥ 13	≥ 11,5	N/mm <sup>2</sup>	EN 310
<b>Bending modulus of elasticity</b>	≥ 1800	≥ 1600	≥ 1500	N/mm <sup>2</sup>	EN 310
<b>Perpendicular tensile strength</b>	≥ 0,4	≥ 0,35	≥ 0,30	N/mm <sup>2</sup>	EN 319
<b>Screw withdrawal strength</b>	Ø ≥ 700			N	GKV
<b>Construction material class</b>	B1			class	DIN 4102
<b>Formaldehyde emission</b>	E1			class	EN 120
<b>Cleaning</b>	Surfaces may be cleaned with water and a gentle cleaning product. To remove more stubborn dirt and marks, please follow the recommendations given by the GKV in their information sheet "Cleaning HPL surfaces" ( <a href="http://www.laminate-info.biz">www.laminate-info.biz</a> ).				
<b>Hazardous material</b>	Not a hazardous material as per the Ordinance on Hazardous Substances.				
<b>Toxicity</b>	The surface is physiologically safe and approved for direct contact with food.				
<b>Processing</b>	Fire retarding additives may cause deposits on tools and thereby shorten service life. In exceptional cases certain glues may be affected. We recommend that tests be carried out by the user.				
<b>Fitting and installation</b>	The product is suitable for use in dry conditions. Before assembly ensure that the item has been conditioned appropriately. The rooms used should also be air-conditioned as appropriate for the subsequent utilisation. Please ensure that the material is processed correctly.				
<b>Storage</b>	Store in dry ventilated rooms on level supports (e.g. pallets). The boards must be protected from any direct contact with water.				
<b>Disposal</b>	We recommend energetic recycling.				

Changes and errors excepted.

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