

BauBuche Panel

Information

BauBuche Panel is the new hardwood panel made of beech laminated veneer lumber providing architects, interior and furniture designers and craftsmen with an exceptional material. The high-performance material BauBuche is made of wood from regional and sustainably managed beech forests. BauBuche Panel presents the traditional furniture wood beech in a completely new and modern visual appearance. Its upright laminations provide for a fashionable and at the same time very robust surface.

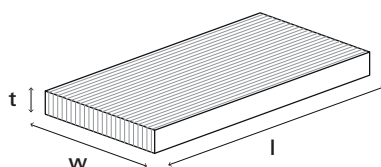


Panel made of phenolic resin glued beech laminated veneer lumber with upright laminations, surfaces have a slim line appearance with dark joints, surfaces are sanded with 80 grit, edges are sharp.

BauBuche Panel

Technical data sheet

BauBuche Panel



Surface	Surfaces sanded with 80 grit; The surface shows natural wood features of the beech laminations, e.g. small gaps caused by knots or cracks. Mended surface on one face of the Panel: Gaps which are longer than 2 cm and at least as wide as the thickness of one veneer are mended with a wood filler on one face of the Panel.
Application	Furniture making, non-load-bearing elements for interior finishing, stair making, booth and store construction
Panel thicknesses t	20, 35, 45 mm
Width w	640, 1080 mm
Lengths l	2250, 3000, 3600 mm
Tolerances	Thickness ± 1 mm, length ± 5 mm, width $\pm 1\%$
Durability	Service class 1 (EN 1995-1-2)
Density	800 kg/m ³
Wood moisture content at time of despatch	6% \pm 2%
Differential shrinkage value (change in dimension in percent per percent of change in wood moisture)	$\Delta t = 0.40\%/%$ $\Delta w = 0.45\%/%$ $\Delta l = 0.01\%/%$
Fire resistance	Euro class D-s2, do (corresponds to fire class B2 as per Din 4102)
Charring rate β_0	0.65 mm/min (EN 1995-1-2)
Formaldehyde	E1 (EN 717-1)
Thermal conductivity λ	0.17 W/(m K) (EN ISO 10456)
Thermal inertia, specific heat storage capacity cp	1600 J/(kg k) (EN ISO 10456)
Water vapour diffusion resistance μ	90/220 (EN 13986)
Sound absorption coefficient 250–500 Hz	0.1 (EN 13986)
Sound absorption coefficient 1000–2000 Hz	0.3 (EN 13986)
Proof of origin	PEFC