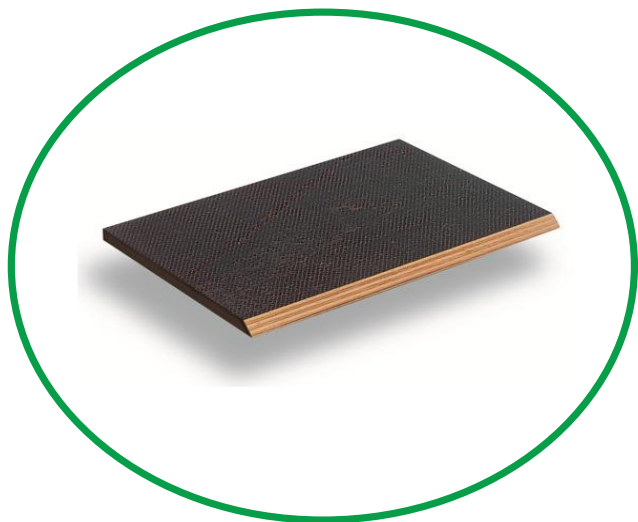


Resined Beech Plywood

Revision Nr:
03

BELLOTTI
L'EVOLUZIONE DEL LEGNO



Plywood panel constructed exclusively with steamed Beech wood and surfaces covered by fire retardant resin. The coat resin increases the hardness performances, impermeability and durability of the surfaces. The edges protected by not hydroscopic vanish increase further the resistance of the water absorption. The superficial resin is available with smooth and/or knurled anti-slip finishing, also adapt to any other finishing application.

Thickness	Ref.		mm	8	10	12	15	20	25	30
Weight	EN 323	ECO	kg/m ²	6,30	7,87	9,44	11,81	15,74	19,68	23,61
RW index	EN 13986	ECO	dB	24	25	26	27	29	30	31
Fire Reaction	EN 45545-2	R10 IN15	Class	HL2*	HL2*	HL2*	HL2*	HL2*	HL2*	HL2*

STANDARD SIZES

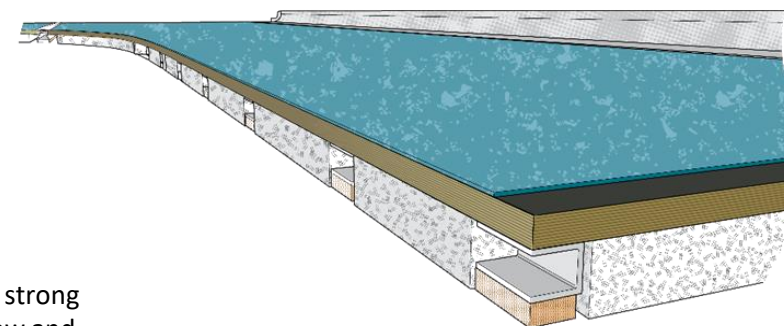
2500x1250 mm

Special dimensions to be confirmed on demand

* = with ^{RL}/_{RZ} finishing

** = with ^{RL}/_. and ^{RL}/_{RZ} finishing

(a) = Measure subject to a minimum batch order to be confirmed by Sales Dept



Designed according to the **RAILWAY SECTOR** specifications and requirements, thanks to the solid **BELLOTTI**'s strong expertise in design, testing and supply integrated systems, our Customer can take profit of Bellotti's know-how and **co-design** with us the complete floor system.



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Note: The data shown in the following technical data sheet are to be considered indicative and subject to change without prior notice. It is the responsibility of the purchaser to determine that Bellotti products are suitable for the desired applications and to ensure that the places and methods of use comply with the provisions of the supplier and the normatives in force.



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STANDARD SIZES

2500x1250 mm

Special dimensions to be confirmed on demand

Beech plywood offers the following **CONFIGURATION OPTIONS**:

RL = surface **smooth** resined

RZ = surface **knurled** resined

- = surface without resin (i.e: **RL/-** means one smooth resined face and one raw wood face)

+B = Edges moisture ingress protected by non-hygroscopic paint

		Properties	Standard	Unit		Values					
G E N E R A L	Nominal Thickness	[]	mm	8	10	12	15	20	25	30	
	Thickness Tolerance	[]	mm	+0,2/-0,4	+0,2/-0,5	+0,2/-0,6	+0,2/-0,8	+0,2/-0,8	+0,2/-0,8	+0,2/-0,8	
	Edge Straightness and Panel Squareness Tolerances	EN 315	mm/m	1	1	1	1	1	1	1	
	Length and Width Tolerances	[]	mm	±2	±2	±2	±2	±2	±2	±2	
	Surface weight	[]	kg/m ²	6,3	7,9	9,4	11,8	15,7	19,7	23,6	
	M E C H A N I C A L	Bonding Quality	EN 314-2	Class	3	3	3	3	3	3	3
Bending Strength: Long Grain		EN 310	MPa	≥100	≥80	≥70	≥57	≥80	≥70	≥54	
Bending Strength: Cross Grain		EN 310	MPa	≥60	≥59	≥53	≥70	≥56	≥54	≥53	
E-Modulus: Long grain		EN 310	MPa	≥10000	≥7000	≥8600	≥7800	≥7900	≥7900	≥6100	
E-Modulus: Cross grain		EN 310	MPa	≥4000	≥4200	≥5000	≥6700	≥5400	≥6100	≥5700	
Screw withdrawal axial resistance		EN 320	daN	N.D.	N.D.	≥230	≥300	N.D.	N.D.	≥350	
	Airborne Sound Insulation (by Calculation)	EN 13986	dB	24	25	26	27	29	30	31	
	Thermal Conductivity (by Calculation)	EN 13986	W/(m ² ·K)	0,17	0,17	0,17	0,17	0,17	0,17	0,17	
	Fire reaction	EN 45545-2 for R10 IN15	Class	HL2*	HL2*	HL2*	HL2*	HL2*	HL2*	HL2*	
Notes:		* = with ^{RL} / _{RZ} finishing ** = with ^{RL} / _{RL} and ^{RL} / _{RZ} finishing (a) = Measure subject to a minimum batch order to be confirmed by Sales Dept									

ATTENTION: in case of cuts and millings the carved parts have to be protected with appropriate varnish in order to keep unchanged the waterproof characteristics on the panel edge

The information contained in this technical data sheet is given as a pure indication and can be modified without prior notice. The purchases is responsible for verifying the product's adequacy to the end uses and for making sure that the use's place and criteria comply with the Manufacturer's prescriptions and with the laws in force

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