

**Okoumé** Plywood is made of Veneer sheets bonded by melamminic adhesive; it has good durability and mechanical properties.

In addition, the thermosetting resin applied on surfaces gives higher hardness, durability and assures improved fire performances.

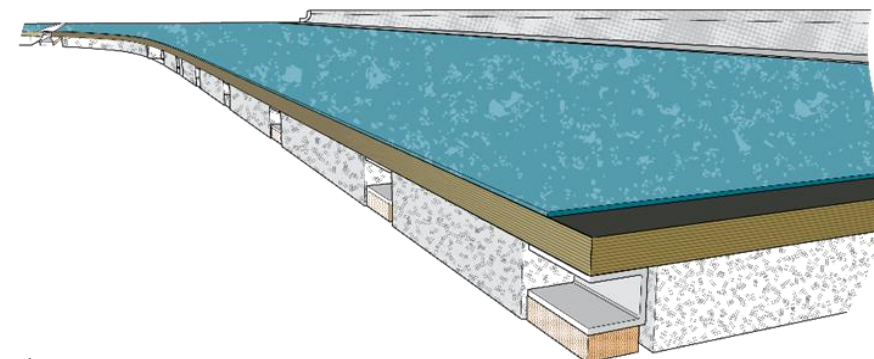
Thickness	Ref.	mm	15	18	20	25
<b>Weight</b>	EN 323	kg/m <sup>2</sup>	7,9	9,4	10,4	12,9
<b>RW index</b>	EN 13986	dB	25	26	27	28
<b>Fire Reaction</b>	EN 45545	R10	*HL3	*HL3	*HL3	*HL3

#### STANDARD SIZES

( 2500X1220; 3100X1530 ) mm

Special dimensions to be confirmed on demand

\* = with RL/RZ finishing



## APPLICATIONS

**Okoumé Plywood** application fields are on High-Speed Trains, Trains, Subways, Trams, Trucks and Buses.

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



**BELLOTTI S.p.A.**

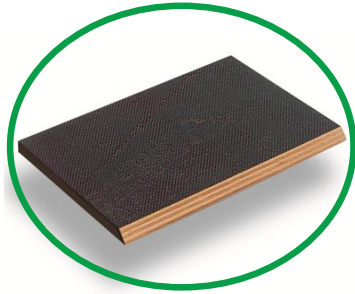
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**Okoumé Plywood** is made of Veneer sheets bonded by melamminic adhesive; it has good durability and mechanical properties.

In addition, the thermosetting phenolic resin applied on surfaces gives higher hardness, durability and assures improved fire performances.

### STANDARD SIZES

( 2500X1220; 3100X1530 ) mm

Special dimensions to be confirmed on demand

Because of its particular production process, **Okoumé Plywood** offers excellent mechanical performances, offering additional **CONFIGURATION OPTIONS**, such as:

**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	<b>15</b>	<b>18</b>	<b>20</b>	<b>25</b>
	Thickness Tolerance	[ ]		mm	+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
	Lenght and Width Tolerances	[ ]		mm	±2	±2	±2	±2
	Surface weight	[ ]		kg/m <sup>2</sup>	7,9	9,4	10,4	12,9
M E C H A N I C A L	Bonding Quality	EN 314-2		Class	3	3	3	3
	Bending Strenght: Long Grain	EN 310		MPa	≥42	≥28	≥26	≥30
	Bending Strenght: Cross Grain	EN 310		MPa	≥37	≥35	≥28	≥25
	E-Modulus: Long grain	EN 310		MPa	≥5200	≥3680	≥3500	≥4700
	E-Modulus: Cross grain	EN 310		MPa	≥4650	≥5170	≥5400	≥3850
	Screw withdrawal axial resistance	EN 320		daN	NA	NA	NA	NA
	Airborne Sound Insulation	EN 13986		dB	25	26	27	28
Thermal Conductivity	EN 13986		W/(m·K)	0,13	0,13	0,13	0,13	
Fire reaction	EN 45545 for R10 IN15		Class	<b>*HL3</b>	<b>*HL3</b>	<b>*HL3</b>	<b>*HL3</b>	
Notes: * = with <sup>RL</sup> / <sub>RZ</sub> finishing								

Designation Example: **Okoumé 15 RL/RZ +B** meaning: Okoumé Plywood 15 mm thick, bottom face smooth resined, top face knurled resined, edges protected against moisture

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