




















FORMALDEHYDless Plywood

This technical datasheet is not a contract reference document. Given average values are linked to internal test carried out in our internal laboratories (unless specified differently) and may be subject to changes without any previous advice in accordance to production requirements.

APPLICATIONS	 FURNITURE	 CONSTRUCTION	 HOSPITALS & CLINICS	 MOTORHOMES & CARAVANS	 SHIPBUILDING	 RAILWAYS	PHYSICAL/MECHANICAL PROPERTIES ⁽¹⁾							
							REFERENCE STANDARD	MEASURING UNIT	THICKNESS (mm)					
							3, 4, 6	8, 10	12, 15	18, 20	25	30	38, 40	
	MINIMUM NUMBER OF LAYERS						3	5	7	9	11	13	17	
	DENSITY	EN 323	<i>Kg/m³</i>	380 - 440										
	BENDING STRENGTH (IN LENGTH DIRECTION)	EN 310	<i>N/mm²</i>	> 12 (min. detected value)										
	BENDING STRENGTH (IN WIDTH DIRECTION)	EN 310	<i>N/mm²</i>	> 20 (min. detected value)										
	MODULUS OF ELASTICITY IN BENDING (IN LENGTH DIRECTION)	EN 310	<i>N/mm²</i>	> 2000 (min. detected value)										
	MODULUS OF ELASTICITY IN BENDING (IN WIDTH DIRECTION)	EN 310	<i>N/mm²</i>	> 2000 (min. detected value)										
	MOISTURE CONTENT	EN 322	%	10±2										
	AVERAGE FORMALDEHYDE RELEASE	ASTM E 1333	<i>ppm</i>	< 0,01 ⁽²⁾										
	BONDING REQUIREMENT DETERMINATION	EN 314	Classe 1: bonding is made using NAF ⁽¹⁾ resins and meets the requirements provided by the Class 1 bonding type -Panels to be used in dry environments (EN 636 – Plywood – Specifications).											
	REACTION TO FIRE CLASS	EN 13501-1	D - s2, d0 / D FL- s1 (applies to panels with > 9 mm thickness and > 400 Kg/m ³ density)											
	LAYERS' COMPOSITION	EN 313-2	All outer faces and inner layers are composed exclusively of poplar wood veneers. Upon request, panels made with veneers coming from a sustainable forest management (FSC®/ PEFC) are available.											
	ENGINEERING TOLERANCES	EN 315	Length & Width: ± 3,5 mm Thicknesses ≥ 3 mm up to ≤ 25 mm: + 0,2 mm - 0,4 mm Thicknesses > 25 mm up to ≤ 40 mm: + 0,0 mm - 0,4 mm											
☆☆☆	CLASSIFICATION BY SURFACE APPEARANCE	EN 635-2	Italian poplar faces/back or, as alternative: I, II or III (A, B or BB)											
	CE MARKING	EN 13986	All Plywood panels are CE marked for internal use as non-structural components											
		EN 13986	CE 2+ marking (on request) for Internal use as structural components (applies to panels with > 9 mm thickness and > 400 Kg/m ³ density)											

(1) Technical properties report indicative average values of poplar plywood, **soy-based NAF (no-added formaldehyde) bonding**, referring to an average wood moisture content of 10% +/-2%. These values may vary if, though keeping the same relation between thickness and number of layers, a different clone is used, or whenever there is a variation in the panel's core composition (way the veneers are disposed, thickness of the various layers)

(2) Minimal formaldehyde residues are naturally contained in wood