

POP LAR PLYWOOD

“TWIN E-wood”



INVERNIZZI
Plywood Tradition

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	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	Kg/m³	400 - 450						
 BENDING STRENGTH (IN LENGTH DIRECTION)	EN 310	N/mm²	> 12 (min. detected value)						
 BENDING STRENGTH (IN WIDTH DIRECTION)	EN 310	N/mm²	> 20 (min. detected value)						
 MODULUS OF ELASTICITY IN BENDING (IN LENGTH DIRECTION)	EN 310	N/mm²	> 2000 (min. detected value)						
 MODULUS OF ELASTICITY IN BENDING (IN WIDTH DIRECTION)	EN 310	N/mm²	> 2000 (min. detected value)						
 MOISTURE CONTENT	EN 322	%	10±2						
 AVERAGE FORMALDEHYDE RELEASE	EN 717-1	mg/m³	<0,062 [Class E-05] EU Reg. 2023/1464						
	ASTM E 1333	ppm	<0,04 [ULEF exemption available on request]						
 BONDING REQUIREMENT DETERMINATION	EN 314-1	Class 1: bonding is made using urea-formaldehyde resins (UF) and meets the requirements provided by the Class 1 bonding type -Panels to be used in dry environments [EN 636 – Plywood – Specifications].							
	EN 314-2	Class 2: bonding is made using melamine-urea-formaldehyde resins (MUF) and meets the requirements provided by the Class 2 bonding type -Panels to be used in covered (roofed) exteriors [EN 636 – Plywood – Specifications].							
 REACTION TO FIRE CLASS	EN 13986 [prosp. 8]	D - s2, d0 / D FL- s1 (applies to panels with > 9 mm thickness and > 400 Kg/m³ density)							
 LAYERS' COMPOSITION	EN 313-2	inner layers are composed exclusively of poplar wood veneers. Outer faces in reconstituted poplar [E-Wood] veneers.							
 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	E-Wood faces/back							
 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/m³ density)							

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