

WATERPROOF *POPLAR* PARTICLEBOARD

“Idropas”



INVERNIZZI
Plywood Tradition

This technical datasheet is not a contract reference document. Given average values are linked to internal tests 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	 SHIPBUILDING	 RAILWAYS
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PHYSICAL/MECHANICAL PROPERTIES ⁽¹⁾	REFERENCE STANDARD	MEASURING UNIT	THICKNESS (mm)							
			10	14	18	25	30	40	50	56
 DENSITY	EN 323	Kg/m³ ±5%	580	560	550	530	510	500	480	480
 BENDING STRENGTH	EN 310	N/mm²	17	15	15	13	13	10	8	8
 MODULUS OF ELASTICITY IN BENDING	EN 310	N/mm²	2200	2200	2200	2000	1800	1700	1400	1400
 TENSILE STRENGTH (INTERNAL COHESION)	EN 319	N/mm²	0,50	0,50	0,50	0,45	0,40	0,32	0,28	0,26
 SURFACE SOUNDNESS OF PARTICLEBOARDS	EN 311	N/mm²	0,8							
 RESISTANCE TO AXIAL WITHDRAWAL OF FITTINGS	EN 320	N	700±5%							
 MOISTURE CONTENT	EN 322	%	9±2							
 SWELLING (MAX % AFTER 24h)	EN 317	%	15	13	13	12	12	12	12	12
 AVERAGE FORMALDEHYDE RELEASE	EN ISO 12460-5	mgHCHO/100g	< 4							
	ASTM E 1333	ppm	< 0,09 (CARB ACTM Phase 2) - (U.S. EPA TSCA Title VI)							
	EN 16516	ppm	< 0,1 UBA - BAnz AT 26.11.2018 B2							
 PANEL COMPOSITION	N.A.	Panel composed of 100% virgin poplar wood particles - not recycled - <i>Populus spp.</i> FSC® 100% (available on request)								
 BONDING TYPE	N.A.	Resin composed of Melamine, Urea and Formaldehyde - MUF								
 ENGINEERING TOLERANCES	EN 324-1/2	Length & Width: ± 5 mm Thickness: + 0,3 mm (sanded panels) Squaring: 2 mm / every 1000 mm length								
 PANEL CLASSIFICATION	EN 312	P3: use in wet environments with non-structural features								

⁽¹⁾ This technical datasheet shows the average indicative values of poplar particleboard, urea bonding, referring to humidity of 9% +/- 2%, made with clone I-214. These values comply with EN 312 standard: Particle board panels - Specifications.

INVERNIZZI S.p.A. Strada Provinciale per Gussola, 26030 Solarolo Rainerio (CR) ITALY - Tel. +39 0375 31331 - Fax +39 0375 3133222/3 - Cap.Soc. 2.250.000 i.v. - Reg. Imp. di Cremona N. 3113 R.E.A. di Cremona N. 93343 - P.IVA e C.F. 00189240195 - N. Iden. CEE IT 00189240195 - www.invernizzi-spa.com - info@invernizzi-spa.com

