

FLEX-SUPERIOR

REVISION N°04 APR/2024

DESCRIPTION

Plywood panel produced in Poplar or Ceiba on demand. This product highlights its flexibility while maintaining excellent physical and mechanical properties. Extremely versatile products, FLEX-SUPERIOR is suitable for any possible application, granting innovative solutions, with revolutionary design possibilities. The Superior range is dedicated to specific use and to the most innovative projects. It is represented by well-selected products, high characterization, and extremely careful quality control.

APPLICATIONS



AUTOMOTIVE

FURNITURE
AND DESIGN

CERTIFICATIONS



ON DEMAND

GLUING



FORMALDEHYDE RELEASE



ON DEMAND

SIZES

	Standards	Unit	Value							
Standard sizes		mm	2500 x 1220 – 2500 x 1700 1220 x 2500 – 1700 x 2500							
Thickness	EN 315	mm	3	5	6	7	8	9	10	12
Layers		nr.	3	3	3	3	3	3	5	5
Bending radius*		mm	35	50	55	65	75	85	120	160
*Sample size per bending radius: 50x400 mm										

FEATURES

	Standards	Unit	Value							
Voluminal mass	EN 323	Kg/m ³	430 ± 5%							
Bending strength Long grain/Cross grain	EN 310	N/mm ²	from ≥35 / ≥20 for thickness 3 mm to ≥30 / ≥35 for thickness 12 mm							
Thermal conductivity	EN 10456	W/m K	0,12							
Residual Moisture	EN 322	%	8 ÷ 12							
Reaction to fire										
Standard	EN 13986		D-s2,d0 – Dfl-s1 (for thicknesses ≥9 mm and for voluminal mass ≥400 kg/m ³)							
On demand	EN 13501-1		Euroclasse B-s2,d0 (for thicknesses from 6 to 12 mm)							
Dimensional tolerances										
Thickness	EN 315	mm	+ (0,2 + 0,03 t); - (0,4 + 0,03 t)							
Length/Width	EN 315	mm	± 3,5							
Orthogonality	EN 315	mm/m	1							

None of the following tests has been subject to preliminary conditioning. The specific values are average values referred to the normal production. It is responsibility of the customer to determine if Panguaneta's products are suitable for the wished applications and to ensure that places and way of use comply with the supplier's instructions and with the law in force.



PANGUANETA
Plywood For Life

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