

/ DATA SHEET

Panel for internal use as a structural component in a humid environment (P5)
 Panel with CE marking, compliant with the construction products regulation (CPR)
 Certificate of conformity panel N. 0497/CPR/6376 issued by the Institute CSI in Bollate (MI) with System 2+ procedure

100% recycled product, certified FSC® and PEFC

Dimensions / WIDTH to be agreed / THICKNESS da 10 a 30 mm

Formaldehyde Emissions*					
CLASS	RULE	METHODOLOGY	LIMIT VALUE	COMPARED TEST	LIMIT VALUE
E1	EN 13986	EN 717-1	≤ 0,1 ppm	EN ISO 12460-5	≤ 8 mg HCHO/100 dry

Mechanical characteristics*							
TRIAL NAME	METHODOLOGICAL RULES	PERFORMANCE RULES	MEASURE UNITS	> 9-13 mm	> 13-20 mm	> 20-25 mm	> 25-30 mm
Density	EN 323		Kg/m ³	750±5%	730±5%	710±5%	700±5%
Tensile strength perpendicular to the face	EN 319	EN 312	N/mm ²	0,45	0,45	0,4	0,35
Surface soundness	EN 311	EN 312	N/mm ²	0,8	0,8	0,8	0,8
Bending strength	EN 310	EN 312	N/mm ²	18	16	14	12
Modulus of elasticity in bending	EN 310	EN 312	N/mm ²	2550	2400	2150	1900
Axial withdrawal of screws from the face	EN 320		N	700	700	700	700
Axial withdrawal of screws from the edge	EN 320		N		400	400	400
Swelling in thickness after 24 hours	EN 317	EN 312	% max	11	10	10	10
Internal cohesion after cyclical tests	EN 321	EN 312	N/mm ²	0,25	0,22	0,2	0,17
Swelling in thickness after cyclical tests	EN 321	EN 312	% max	12	12	11	10

Performance requirements							
TRIAL NAME	METHODOLOGICAL RULES	PERFORMANCE RULES	MEASURE UNITS	> 9-13 mm	> 13-20 mm	> 20-25 mm	> 25-30 mm
Water vapour permeability μ	EN 13986	Table 9	Wet cup Dry cup	17,7 50	17,2 50	16,8 50	16,7 50
Airborne sound insulation	EN 13986	Par. 5.10	dB	25	28,5	29,5	30,5
Acoustic absorption α	EN 13986	Table 10	250-500 Hz 1000-2000 Hz	0,10 0,25	0,10 0,25	0,10 0,25	0,10 0,25
Thermal conductivity λ	EN 13986	Table 11	W / (mK)	0,15	0,15	0,14	0,14
Biological durability	EN 13986	EN 335	CU	1&2	1&2	1&2	1&2
Biological durability	EN 13986	Par. 5.18	ppm	< 5	< 5	< 5	< 5

If the panels are intended for specific use in floors, walls or roofs, any relevant performance standards must also be consulted. This may result in compliance with additional requirements

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General Requirements				
	METHODOLOGICAL RULES	PERFORMANCE RULES	MEASURE UNITS	VALUE OF THE PANEL
Smoothed thickness	EN 324/1	EN 312	mm	± 0,3
Dimension tolerance	EN 324/1	EN 312	mm	± 5
Squaring up tolerance	EN 324/2	EN 312	mm	2 mm x meter
Moisture content	EN 322	EN 312	%	9 ± 4
Calorific value			Kcal/Kg	4000 - 4200
Reaction to fire	UNI 9176	UNI 8457 UNI 9174		Class 3
Reaction to fire	UNI 13501/1			Ds2d0-Dfls1

* The values indicated in the sheet refer to internal laboratory tests

Certified Management System



Sustainability certifications

