

\ TECHNICAL SHEET

Load-bearing panel for use in a humid environment as a structural component.

It's perfect for mobile interior walls, floors and structural bases for roofs. It can be used as self-supporting component for buildings and packaging materials, it is increasingly used in the construction of mobile homes and containers interior. It's realized according to the principles of eco-sustainability thereby reducing the environmental impact of the construction itself.

Panel with CE marking in compliance with the construction products regulation (CPR).

Dimensions \ WIDTH to be agreed \ THICKNESS from 10 to 30 mm

It's FSC Recycled certified.

Formaldehyde Emissions					
CLASS	NORM	METHOD	LIMIT VALUE	COMPARED TEST	LIMIT VALUE
E1	D.M. 10/10/08	EN 717-1	< 0,1 ppm	EN ISO 12460-5	< 8 mg HCHO/100 gr secco

Mechanics characteristics of IDRO_P3 Raw Chipboard							
TECHNICAL CHARACTERISTICS	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	400
Swelling in thickness after 24 hours	EN 317	EN 312	% max	11	10	10	10
Internal cohesion after cyclic tests	EN 321	EN 312	N/mm ²	0,25	0,22	0,2	0,17
Swelling in thickness after cyclic tests	EN 321	EN 312	% max	12	12	11	910

General Requirements for LPB_LIGHT Raw Chipboard				
TECHNICAL CHARACTERISTICS	METHODOLOGICAL RULES	PERFORMANCE RULES	MEASURE UNITS	TOLERANCES
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 metro
Moisture content	EN 322	EN 312	%	9 ± 4
Heat of combustion			Kcal/Kg	4000 - 4200
Reaction to the fire		UNI 8457 / UNI 9174		CLASSE 3
Reaction to the fire	EN 1350/1			D s2 d0 Dfl-s1

¹ The humid environment is defined by service class Zof ENV1955-1-1, characterized by a humidity in the wood based material corresponding to a temperature of 20° C and by a relative humidity of the surrounding air greater than 85% only for few weeks a year. The humid environment is defined at point 3.8.3.

Certificate of conformity, n. 0497 / CPR / 6376, issued by CSI istitute of Bollate (MI) with system procedure 2+.

The values shown in the schedule are by tests of internal laboratory.

Certified Management System

