

\ TECHNICAL SHEET

The water resistant raw chipboard (P3) is a non-load-bearing panel used in humid environments (type P3). Developed for construction of furniture destined to humid environments like kitchen shelves, under sinks cabinet and bathroom furniture.

It is available in E1, CARB P2 and F4 STARS formaldehyde categories.

Dimensions \ WIDTH 186 - 207- 220 cm \ THICKNESS from 8 to 50 mm
For any special size request please contact our sales office.

Certified FSC Recycled Product.

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

Mechanics characteristics of IDRO P3 Raw Chipboard									
TECHNICAL CHARACTERISTICS	METHODOLOGICAL RULES	PERFORMANCE RULES	MEASURE UNITS	8-13 mm	> 13-20 mm	> 20-25 mm	> 25-32 mm	> 32-40 mm	> 40 mm
Density	EN 323		Kg/m ³	730 ± 5%	690 ± 5%	670 ± 5%	660 ± 5%	650 ± 5%	640 ± 5%
Tensile strength perpendicular to the face	EN 319	EN 312	N/mm ²	0,45	0,45	0,4	0,35	0,3	0,25
Surface soundness	EN 311	EN 312	N/mm ²	0,8	0,8	0,8	0,8	0,8	0,8
Bending strength	EN 310	EN 312	N/mm ²	15	14	12	11	9	7,5
Modulus of elasticity in bending	EN 310	EN 312	N/mm ²	2050	1950	1850	1700	1550	1350
Axial withdrawal of screws from the face	EN 320		N		700 ± 10%	700 ± 10%	700 ± 10%	700 ± 10%	700 ± 10%
Axial withdrawal of screws from the edge	EN 320		N		400 ± 10%	400 ± 10%	400 ± 10%	400 ± 10%	400 ± 10%
Swelling in thickness after 24 hours	EN 317	EN 312	% max	14	14	13	13	12	12

General Requirements for IDRO P3 Raw Chipboard				
TECHNICAL CHARACTERISTICS	METHODOLOGICAL RULES	PERFORMANCE RULES	MEASURE UNITS	TOLLERANCES
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	1,5 mm x metro
Moisture content	EN 322	EN 312	%	9 ± 4
Heat of combustion			Kcal/Kg	4000 - 4200
Reaction to the fire	UNI 9176	UNI 8457 UNI 9174		Classe 3

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

Certified Management System

