

# P2\_F4 STARS

## low formaldehyde emission

### \ TECHNICAL SHEET

Panel consisting of wood particles with reduced formaldehyde content.

The panel is tested in our laboratories according to the JIS A 1460 norm with Desiccator methodology, using a glass dryer kept at constant temperature and humidity, monitoring and analyzing the values of emitted formaldehyde.

This panel is also available in class P3.

Dimensions \ WIDTH 186 - 207- 220 cm \ THICKNESS from 8 to 38 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
F4 STARS	JIS A1460	DESSICATOR	≤ 0,3 mg/l		

Mechanics characteristics of P2_F4 STARS Raw Chipboard								
TECHNICAL CHARACTERISTICS	METHODOLOGICAL RULES	PERFORMANCE RULES	MEASURE UNITS	8-13 mm	> 13-20 mm	> 20-25 mm	> 25-32 mm	> 32-38 mm
Density	EN 323		Kg/m <sup>3</sup>	710 ± 5%	680 ± 5%	660 ± 5%	640 ± 5%	630 ± 5%
Tensile strength perpendicular to the face	EN 319	EN 312	N/mm <sup>2</sup>	0,4	0,35	0,3	0,25	0,2
Surface soundness	EN 319	EN 312	N/mm <sup>2</sup>	0,8	0,8	0,8	0,8	0,8
Bending strength	EN 310	EN 312	N/mm <sup>2</sup>	13	13	11,5	10	8,5
Modulus of elasticity in bending	EN 310	EN 312	N/mm <sup>2</sup>	1800	1600	1500	1350	1200
Axial withdrawal of screws from the face	EN 320		N		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%
Swelling in thickness after 2 hours	EN 317		% max	16	16	16	16	16

General Requirements for P2_F4 STARS 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	1,5 mm x metro
Moisture content	EN 322	EN 312	%	9 ± 4
Heat of combustion			Kcal/Kg	4000 - 4300
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

