



The Eco-Ethical Company

gruppo mauro saviola

GRUPPO MAURO SAVIOLA S.r.l.

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Code: **GR-01**

Rev. **02**

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19/01/2015

PRODUCT DATA SHEET

Raw ecological particleboard panel (E 1)

Panel type
P2 (EN 312)

Italian Product



Using recycled wood and a "total green" approach, through an integrated production chain, allow the creation of environmentally friendly products.

Physical-mechanical properties *

GENERAL REQUIREMENTS FOR SHIPMENT

Denomination	Reference standard**	Values
Thickness tolerance	UNI EN 324-1 – UNI EN 14323	± 0,3 mm
Length width	UNI EN 324-1 – UNI EN 14323	± 5 mm
Edge-banding straightness tolerance	UNI EN 324-2	1,5 mm/m
Edge-banding squaring up (orthogonality)	UNI EN 324-2	2 mm/m
Flatness (only on balanced surfaces)	UNI EN 14323	≤ 2 mm/m
Edge-banding damage	UNI EN 14323	≤ 10 mm/m

PANEL

Denomination	Reference standard**	Values
Mass density	UNI EN 323	kg/m ³ 670/730
Moisture content	UNI EN 322	9 ± 4 %
Swelling after 2 hours	UNI EN 317	% ≤ 10
Tensile strength - Internal bond	UNI EN 319	N/mm ² ≥ 0,35
Surface separation	UNI EN 311	N/mm ² ≥ 0,8
Bending strength	UNI EN 310	N/mm ² 12 ± 4
Screw holding strength - Surface	UNI EN 320	N 1.100
Screw holding strength - Edge-banding	UNI EN 320	N 850
Heating value	-	Kcal/kg 2.142 - MJ/kg 9
EC reaction class to fire	EN 13501-1 / D.M. 26/6 - 84	D-s2, d0 Dfl-s1 - Class 2
Formaldehyde emissions	UNI EN 120	Classe E1
Formaldehyde release	UNI EN 717-1	ppm ≤ 0,1

*The listed values and classifications should be construed as standards referring to the 18 mm average thickness.

** The reference standards must be considered in the latest version.

RAW PANEL IS AVAILABLE IN THE FOLLOWING STANDARD SIZES

Sizes	U.M.	Min.	Max.
Thickness	mm	8	40
Length	mm	3.760	5.600
Width	mm	1.860	2.200
Non-standard	mm	On request, subject to acceptance by Gruppo Mauro Saviola srl	



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Information about the resins used

Acronym	Denomination	Statement
S.V.H.C.	Substance of Very high Concern	There is no presence of any SVH substance shown in the latest ECHA list.
S.C.C.P.s (C10-C13)	Shorn Chain Chlorinated Paraffins (C10-C13)	There is no presence of Short-chain chloroparaffins (C10-C13)
R.E.A.C.H.	Registration, Evaluation, Authorisation and Restriction of Chemical substances Regolamento (CE) N° 1907/2006	Urea resins are a polymer that according to REACH (Title I, Chapter 2, Article 3, Section 5) are exempt from registration .

Certifications

Certifying agency	Denomination
CERTIQUALITY	UNI EN ISO 9001:2008 – Quality system
FSC®	N° Cert: CQ-COC- 000001 – FSC® Recycled 100 %
CERTIQUALITY	LIG 01/2000 - Certifies the exclusive use of recycled wood in the production of Raw Particleboard Panels
CATAS	CATAS Quality Award Formaldehyde E1
CERTIQUALITY	REMADE in ITALY – Certifies sustainable recycling in Italy

The collage displays several key certifications and awards:

- FSC - CHAIN OF CUSTODY** certificates for Gruppo Mauro Savioia SRL, confirming 100% recycled wood.
- CATAS QUALITY AWARD** for Formaldehyde E1.
- REMADE IN ITALY** certification, highlighting sustainable recycling.
- ISO 9001:2008** quality system certification.
- Formaldehyde E1** compliance certificates.
- Environmental Certifications** including ISO 14001 and ISO 45001.
- Energy Efficiency** certificates (E1, E2).
- Product Information** for 'Pannello Truciolare Grezzo', showing 91% recycled content and A+ energy class.



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FSC® product

Description	Product type	Production sites	Species	Main output category	Control System	Main input category
Raw Particleboard Panel	W8.2 Particleboard	Mortara, Sustinente, Viadana	Not known	FSC®-recycled	Trasfer system	Reclaimed material (post-consumer)

ALL THE SUPPLIES OF RAW ECOLOGICAL PARTICLEBOARD PANELS FROM GRUPPO MAURO SAVIOLA srl ARE PROVIDED WITH A DECLARATION OF EC CONFORMITY, IN COMPLIANCE WITH THE DECREE 10 October 2008 (OJ No. 288 10/12/08)

DICHIARAZIONE DI CONFORMITÀ

GRUPPO MAURO SAVIOLA

CE

First audit report for year 2014

1 - Internal control

N° requested internal controls from January to June 20

N° received internal controls from January to June 48

The controls carried out according to the prescriptions described by the EN 12092 standard in the period from January to June 2014 have shown an average value of 6.25 mgHCHO/100g and a 95th percentile of 7.57 mgHCHO/100g. Both values are below the limits established for E1 class panels (average value below 6.50 mgHCHO/100g and 95th percentile below 8.00 mgHCHO/100g). The following histogram shows the data distribution obtained.

Emis. HCHO (mg/100g) from January to June 2014

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The Raw Ecological Particleboard Panel consists of woodchips in different grain sizes, pressed with low formaldehyde content resins.

The wooden mixture composition of the Raw Ecological Particleboard Panel comes from 100% recycled wood. Larger woodchips are concentrated in the middle, whereas the finest ones on the outer side, in order to obtain compact surfaces suitable for several uses. The product is recycled, recyclable and low in environmental impact.

The Raw Ecological Particleboard Panel is a product that does not fall under the European regulations REACH (Reg. EU 1907/2006) and CLP (Reg. EU 1272/2008).

Therefore the preparation of a Safety Data Sheet is NOT required.