



The Eco-Ethical Company

# gruppo mauro saviola

GRUPPO MAURO SAVIOLA S.r.l.

Viale Lombardia, 29 I 46019 I Viadana (MN) - Italy I ph: +39 0375 7871 I fax: +39 0375 787300

C.F. e P.IVA 02317900203 REA MN242591 I REG. IMPRESE 02317900203 I Company subject to coordination of its activities by Saviola Holding S.r.l.  
Facilities: Viadana - Mortara (PV) - Sustinente (MN) info@gruppomaurosaviola.com I www.gruppomaurosaviola.com

Code: **GR-09**

Rev. **02**

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**19/01/2015**

## PRODUCT DATA SHEET

### F\*\*\*\* Raw Ecological Particleboard Panel

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

### PANEL

Denomination	Reference standard**	Values
Mass density	UNI EN 323	Kg/m <sup>3</sup> 670/730
Moisture content	UNI EN 322	9 ± 4 %
Tensile strength - internal bond	UNI EN 319	N/mm <sup>2</sup> ≥ 0,35
Surface separation	UNI EN 311	N/mm <sup>2</sup> ≥ 0,8
Bending strength	UNI EN 310	N/mm <sup>2</sup> 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 release	UNI EN 717-1	ppm ≤ 0,1
Formaldehyde release	ASTM E 1333	ppm ≤ 0,09
Formaldehyde emissions	JIS A 1460	ppm ≤ 0,349
Formaldehyde emissions	Art. 68-26.1 - Art.20-7.4 Law on building materials, Japan	Class F****

\*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 ECOLOGICAL PARTICLEBOARD 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
<b>Non-standard</b>	mm	On request, subject to acceptance by <b>Gruppo Mauro Saviola Srl</b>	



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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 SVHC substance shown in the latest ECHA list.
S.C.C.P.s (C10-C13)	Short 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 (EC) Regulations No. 1907/2006	Urea resins are a polymer that according to REACH (Title I, Chapter 2, Article 3, Section 5) <b>are exempt from registration</b>

## Certifications

Certifying agency	Denomination
CERTIQUALITY	UNI EN ISO 9001:2008 - Quality system
FSC	Cert. No.: FSC-CQ-COC-000001 - 100% Recycled
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
TERR. MIN. JAPAN	Class F****

