



The Eco-Ethical Company

# gruppo mauro saviola

GRUPPO MAURO SAVIOLA S.r.l.

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Code: **GR-02**

Rev. **02**

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**19/01/2015**

## PRODUCT DATA SHEET

### EPF-S 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/m

### PANEL

Denomination	Reference standard**	Values
Mass density	UNI EN 323	kg/m <sup>3</sup> 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 <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 content	UNI EN 120	mg/100 g ≤ 4
Formaldehyde release	ASTM E 1333	ppm ≤ 0,09
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.

### EPF-S 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) are <b>exempt from registration</b> .

## Certifications

Certifying agency	Denomination
Certicality	UNI EN ISO 9001:2008 – Quality system
FSC®	Cert. No.: FSC-CQ-COC-000001 – 100% Recycled
Certicality	LIG 01/2000 - Certifies the exclusive use of recycled wood in the production of Raw Particleboard Panels
Catas	CATAS Quality Award Formaldehyde E1
Certicality	<b>REMADE in ITALY - Certifies sustainable recycling in Italy</b>
Teco	CARB TPC-7 – FORMALDEHYDE CERTIFICATION
	CARB Phase 2: maximum emission = 0.09 ppm

**GRUPPO MAURO SAVIOIA**

**FSC - CHAIN OF CUSTODY**

**ATESTATO/ATTESTAZIONE N. 001**

**CATAS QUALITY AWARD FORMALDEHYDE \*\*\***

**CERTIFICATO / CERTIFICATE N. P1885**

**PANNELLO TRUCIOLARE GREZZO**  
 Prodotto in materiale riciclato  
 Gruppo Mauro Savioia srl  
 91% riciclati  
 A+  
 riduzione dei consumi energetici del riciclo (kWh/kg): 0,04  
 riduzione delle emissioni climalteranti del riciclo (g CO<sub>2</sub> eq/kg): 585,71  
**REMADE IN ITALY**

**Statement of Certification**  
 MIB 01-558 Gruppo Mauro Savioia - SIT  
 In recognition of its compliance with TECO's policies, the manufacturer listed above is granted permission to represent products as Certified in the Airborne Toxic Control Measure to Reduce Formaldehyde Emission from Composite Wood Products.

**List of Certified Products**

Group designation	Product Name	Date Approval
001-2	01-558-001	16 March 2015

**TECO**



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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 EPF-S 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)**

**DICHIAZIONE DI CONFORMITA'**

GRUPPO MAURO SAVIOLA

**CE**

**First audit report for year 2014**

1 - Internal control

Nr. requested internal controls from January to June: 20  
Nr. received internal controls from January to June: 48

The controls carried out according to the prescriptions described by the EN 120/92 standard in the period from January to June 2014 have shown an average value of 6,28 mgHCHO/100g and a 95<sup>th</sup> percentile of 7,87 mgHCHO/100g. Both values are below the limits established for E1 class panels (average value below 0,50 mgHCHO/100g and 95<sup>th</sup> percentile below 8,00 mgHCHO/100g). The following histogram shows the data distribution obtained.

**Emission Distribution from January to June 2014**

Bar chart showing the distribution of formaldehyde emissions (mgHCHO/100g) from January to June 2014. The x-axis represents the amount of HCHO (mg/100g) and the y-axis represents the percentage of samples. The chart shows a distribution of values, with a peak around 6.28 mgHCHO/100g.

The EPF-S Raw Particleboard Panel is an ureic ecological panel with low-formaldehyde content, suitable for indoor use (including furniture) in a dry environment.  
Panel compliant with the IKEA IOS-MAT 0003 Standard.

The EPF-S 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.**