



The Eco-Ethical Company

# gruppo mauro saviola

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Code: **GR-08**

Rev. **02**

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**19/01/2015**

## PRODUCT DATA SHEET

### BLACK STAR 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
Swelling after 2 hours	UNI EN 317	% ≤ 10
Formaldehyde emissions	UNI EN 120	Class E 1
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 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)	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 (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

The collage displays several key certifications and awards:

- ISO 9001:2008** (CERTIQUALITY) for Gruppo Mauro Savioia S.p.A.
- FSC - CHAIN OF CUSTODY** (FSC-CQ-COC-000001) for Gruppo Mauro Savioia S.p.A.
- CATAS QUALITY AWARD** for Formaldehyde E1.
- REMADE IN ITALY** certification for sustainable recycling.
- Formaldehyde E1** certification (CEN EN 12922).
- Technical specifications** for Pannello Truciolare Grezzo, including a table of material properties and a list of environmental certifications.



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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 BLACK STAR 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)**



The **BLACK Star 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. It is also used in areas where a limited-time (2 h) moisture resistance is required.

The BLACK Star 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.**