



The Eco-Ethical Company

gruppo mauro saviola

GRUPPO MAURO SAVIOLA S.r.l.

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Code: **GR-03**

Rev. **02**

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01/01/2015

PRODUCT DATA SHEET

WATER RESISTANT Raw Ecological Particleboard Panel

Panel type
P3 (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 ³ 670/730
Moisture content	UNI EN 322	9 ± 4 %
Tensile strength - Internal bond	UNI EN 319	N/mm ² ≥ 0,35
Tensile strength after boiling test	EN 1087	N/mm ² ≥ 0,15
Surface separation	UNI EN 311	N/mm ² ≥ 0,8
Bending strength	UNI EN 310	N/mm ² 14 ± 2
Screw holding strength - surface	UNI EN 320	N 1.100
Screw holding strength - edge-banding	UNI EN 320	N 850
Swelling after 24 hours	UNI EN 317	% ≤ 8
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	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 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	



Italian product

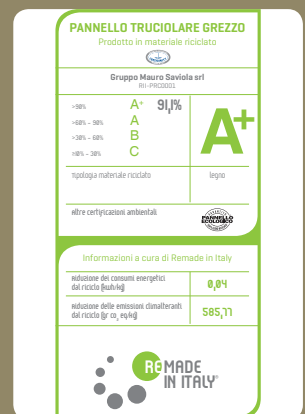
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Information about the resins used

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 Regulation (EC) 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: FSC-CQ-COC- 000001 – FSC 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





Italian product

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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 WATER RESISTANT 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)



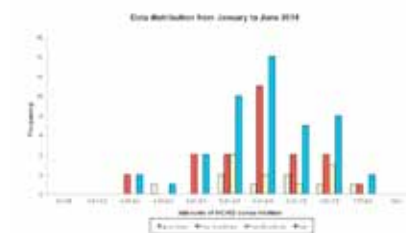
Certificate n°:	56 / 2004	Spett.	GRUPPO MAURO SAVIOLA SRL-STABILIMENTO DI MORTARA
Internal protocol n°:	52	VIA L. DA VINCI s.p.a. BOX 89	27036 MORTARA (PV)
Report n°:	2013	ITALIA	c.a. Ing. Gilberto Bortesi
Emission date:	31/10/14		
Award certificate expiry date:	31/05/15		
Certification:	CQA Formaldehyde E1		
Certified product name:	Pannelli di particelle grezze unico, idrofuogo, EPF-S		

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 95th percentile of **7,87** mgHCHO/100g. Both values are below the limits established for E1 class panels (average value below 8,50 mgHCHO/100g and 95th percentile below 10,00 mgHCHO/100g). The following histogram shows the data distribution obtained.



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Main characteristics

The Water Resistant Raw Ecological Particleboard Panel complies with V 100 features. It is made of melamine resins, suitable to manufacture furniture for wet environments such as bathrooms, kitchens, tops, under-sinks, under-floors. It is widely used, also to realize prefabricated buildings for civil and yard purposes.

The WATER RESISTANT 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.