



The Eco-Ethical Company

gruppo mauro saviola

GRUPPO MAURO SAVIOLA S.r.l.

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C.F. e P.IVA 02317900203 REA MN242591 | REG. IMPRESE 02317900203 | Company subject to coordination of its activities by Saviola Holding 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

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Sottaneta, Via Mons. Martin 1709 (MN)

CATAS QUALITY AWARD
FORMALDEHYDE E1

ISO 9001:2008

PANNELLO TRUCIOLARE GREZZO
Prodotto in materiale riciclato

>90%	A ⁺	91%	A⁺
>80% - 90%	A		
>60% - 80%	B		
>40% - 60%	C		

tipologia materiale riciclato: legno

Informazioni a cura di Remade in Italy

riduzione dei consumi energetici dal riciclo (kWh/kg)	0,04
riduzione delle emissioni dimalterati dal riciclo (g CO ₂ eq/kg)	585,11

REMADE IN ITALY



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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

Il sottoscritto, in qualità di titolare della ditta, dichiara che il prodotto in oggetto è conforme al Decreto 10 ottobre 2008 (O.J. n. 288 10/12/08) e alle norme CE applicabili al prodotto in oggetto, in base al tipo di utilizzo previsto, e che il prodotto è conforme ai requisiti di conformità e sicurezza con il sistema di certificazione di riferimento del...

Non commerciale prodotto.

Descrizione: **W8.2 - 4250 - 1800 - 180000**

La presente dichiarazione dichiara che il prodotto in oggetto è conforme ai requisiti applicati dall'Allegato III della Direttiva CE 1286/2008. Il valore di formaldeide, **0,2** mg/m³.

La validità del presente certificato è limitata alla merce commerciale...

Il presente certificato non è sempre applicabile all'utilizzazione in altre applicazioni, ad esempio, per il riciclaggio di rifiuti, o per il riciclaggio di rifiuti...

Certificato n°: 90/2004 Spett.: GRUPPO MAURO SAVIOLA SRL-STABILIMENTO DI MORTARA, VAL DA VINCI S.P.A. BOX 89 27036 MORTARA (PV) ITALIA c.a. Ing. Gilberto Bortesi

Internal protocol n°: 92

Report n°: 2813

Emission date: 31/10/14

Award certificate expiry date: 31/05/15

Certification: CQA Formaldehyde E1

Certified product name: Pannelli di particelle grezzi ureico, idrologo, igrifugo, EPF-S

First audit report for year 2014

1 - Internal control

Nr. requested internal controls from January to June 20: 49

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 95° 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 95° percentile below 8,00 mgHCHO/100g). The following histogram shows the data distribution obtained.

Emis. Distribuzione from January to June 2014

Histogram showing the distribution of formaldehyde emissions (mgHCHO/100g) from January to June 2014. The x-axis represents the emission value (mgHCHO/100g) and the y-axis represents the percentage of samples. The data shows a distribution centered around 6.25 mgHCHO/100g, with a 95th percentile at 7.57 mgHCHO/100g.

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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.