



The Eco-Ethical Company



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Code: **GR-01**

Rev. **05**

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19/01/2018

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**	U.M.	Values
Thickness tolerance	UNI EN 324-1 – UNI EN 14323	mm	± 0,3
Length width	UNI EN 324-1 – UNI EN 14323	mm	± 5
Edge-banding straightness tolerance	UNI EN 324-2	mm/m	1,5
Edge-banding squaring up (orthogonality)	UNI EN 324-2	mm/m	2
Flatness (only on balanced surfaces)	UNI EN 14323	mm/m	≤ 2
Edge-banding damage	UNI EN 14323	mm	≤ 10

PANEL

Denomination	Reference standard**	U.M.	Values
Mass density	UNI EN 323	kg/m ³	680 ± 5%
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
EC reaction class to fire	EN 13501-1	D.M. 10/03/05	D-s2,d0 Dfl-s1
Formaldehyde Content	UNI EN ISO 12460-5	mg/100 g	6,5 max. medium (E1 Class)

* 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	44
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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Additional Information

Acronym	Denomination	Declaration
S.C.C.Ps (C10-C13).	Short Chain Chlorinated Paraffins Cloroparaffine (C10-C13)	Short Chain Chlorinated Paraffins Cloroparaffine (C10-C13), NOT FOUND
S.V.H.C.	Substance of Very high Concern	According to Reach regulation, Saviola does not use any chemical substances included in Annex XIV of the Reach Regulation as amended on 12/01/2017, in excess of 0.1% w/w. This list, called the "Candidate List", of the SVHC substances is periodically updated by ECHA and accessible on this website: www.echa.europa.eu/en/candidate-list-table .
R.E.A.C.H.	Registration, Evaluation, Authorisation and Restriction of Chemical substances Reg (CE) N° 1907/2006	

Certifications

Certifying agency	Denomination
CERTIQUALITY	UNI EN ISO 9001:2008 – Quality system
FSC®	N° Cert: CQ-COC- 000001 – FSC® Recycled 100 %
PEFC®	Certification N. 24414
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





Main Characteristics

Saviola 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.