

PRODUCT DATA SHEET

IDROLEB 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
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
Swelling after 24 hours	UNI EN 317	% ≤ 8
Formaldehyde release	UNI EN 717-1	ppm ≤ 0,1
Formaldehyde release	ASTM E 1333	ppm ≤ 0,09
Formaldehyde emissions	JIS A 1460	mg/l ≤ 0,3

* 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.

IDROLEB 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
Non-standard	mm	On request, subject to acceptance by Gruppo Mauro Saviola Srl	



Italian Product

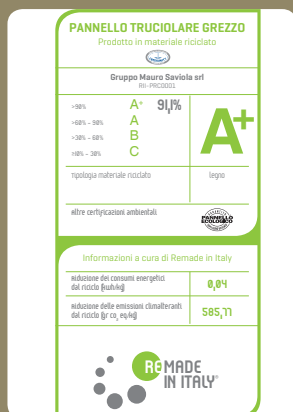
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Information about the resins used

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 (EC) Regulations No. 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	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
TECO	CARB TPC-7 – FORMALDEHYDE CERTIFICATION
	CARB Phase 2: maximum emission = 0.09 ppm





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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 IDROLEB 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 **IDROLEB Ecological 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 **IDROLEB Panel** and the water resistant version, IDROLEB, are the Ecological Panels with lowest emission in the world, made of 100% after-use wooden material certified FSC. The values of formaldehyde emissions are even lower than the limits required by F**** regulations.

Main characteristics

In terms of checks, being the IDROLEB project aimed at the global market, the manufacturing companies **asked CATAS** to guarantee the characteristics of IDROLEB, through constant checks on emissions. After one year of tests, CATAS issued the product certification.

Tests by CATAS are carried out in compliance with EN and European standards, and according to Japanese JIS standard. The result is a valid certificate that can be compared anywhere all over the world, and univocally certifies that **IDROLEB is the ecological particleboard panel with the lowest formaldehyde emissions.**

Regarding the certification, it should be highlighted that the manufacturing companies together with Catas established a set of regulations to check the manufacturing process of IDROLEB in order to ensure that the complete manufacturing process is compliant with the standards of Catas itself.

Therefore, the certification has not been issued based on the analysis of a sample panel, as in the case of other manufacturers.

Furthermore, the companies manufacturing the Ecological Panel have adopted internal rules for production tests and checks aimed at **ensuring the complete chain of custody and traceability of the production batch.**

The IDROLEB 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.