



The Eco-Ethical Company



GRUPPO MAURO SAVIOLA S.r.l.
Viale Lombardia, 29 I 46019 I Viadana (MN) - Italy I ph: +39 0375 7871 I fax: +39 0375 787300
C.F. e P.IVA 02317900203 REA MN242591 I REG. IMPRESE 02317900203 I Company subject to coordination of its activities by Saviola Holding S.r.l.
Facilities: Viadana - Mortara (PV) - Sustinente (MN) info@gruppomaurosaviola.com I www.gruppomaurosaviola.com

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PRODUCT DATA SHEET

LEB MELAMINE FACED 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**	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	CE	D-s2,d0 - Dfl-s1
Formaldehyde Release	ASTM E 1333	ppm	≤ 0,09
Formaldehyde Emission	JIS 1460	mg/l	< 0.35

SURFACE

Denomination	Reference standard**	U.M.	Values
Scratch resistance	UNI 14323	N	≥ 1.5
Taber abrasion resistance	UNI 14323	Class	3A for T.U. - Class 1 for woods
Dirt resistance	UNI 9300	Level	4 for solid colors - 5 for woods
Resistance to cold liquids and stains	EN 12720	Class	B
Compatibility to foods	LMS (in accordance with Reg 10/2011)	mg/kg	< 1 (limit < 15)
Lightfastness	UNI EN 15187	Level	4
Resistance to damp heat	EN 12721	Level	5
Resistance to dry heat	EN 12722	Level	5
Crack resistance	EN 14323 par. 5.7	Class	≥ 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.

MELAMINE FACED ECOLOGICAL PARTICLEBOARD 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 9001:2015 – Quality system
Fsc	Cert. No.: FSC-CQ-COC- 000001 – FSC Recycled 100 %
Pefc	Cert. No. 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
PFS - Teco	CATAS CARB P2 - TPC 03
Certiquality	REMADE in ITALY - Certifies sustainable recycling in Italy





The LEB MELAMINE FACED 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.

The **LEB Melamine Faced Particleboard Panels** are coated on one side or on both sides with sheets of decorative paper, cellulose-based, impregnated with melamine resin, which reproduce solid colours, unique patterns, or the appearance of real solid wood in various varieties. **The LEB Melamine Faced Panel**, with its low formaldehyde content, is suitable for indoor use (including furniture) in a dry environment.

The **LEB Melamine Faced Particleboard Panels** is compliant with the **IKEA IOS-MAT 0003** standard.

Cleaning and maintenance

The surfaces of the Melamine-Faced Ecological Panel by Saviola Group are innovative, fashionable, durable and hygienic and require no special maintenance. The surfaces are generally easy to clean, this principle also it applies to more complex surfaces, including "textured " melamine-faced panel.

Type	Actions to be taken
Light dirt	Wipe with a paper towel or a soft, clean sponge. If you use a damp cloth, wipe the surface with a damp paper towel or microfiber.
Regular dirt	Wipe with hot water, a clean cloth or microfiber cloth, soft sponge or a soft brush. Use detergents or normal soaps without abrasive ingredients. Then clean with fresh water, removing all traces of detergent, to prevent streaks formation. Dry the surface with a clean, absorbent cloth or with paper towels.
Persistent dirt	The remains of grease or persistent dirt should be removed as quickly as possible because the surface can be irreparably damaged with the persistence of the agents of dirt. The reason of these precautions is also about the fact that the aggressive detergents and/or abrasive sponges or scouring pads generally used to remove persistent dirt, they can cause irreversible damage.
What not to do or use	<ul style="list-style-type: none"> • Chlorine bleach, alcohol in high concentration, cleaners with caustic soda, oven cleaners and cleaners for silver obj. • Remove grease and use abrasives (scouring powder, scouring pads, steel wool, polish) • Detergents containing strong acids and acid salts • Equipment for steam cleaning • Do not use products containing acetone or diluents Not respecting these instructions means negative results as deformation, softening of the surface or irreversible damage
Surface strikes	Prevent surface collisions with a sharp object trying to distribute the load on surface, evenly.
Disposal	At the end of its life cycle, the Ecological Panel or its components must not disperse to the environment but taken to wood waste recycling centers as for example Ecolegno Network for more info about Ecolegno Centres, please visit website: www.legnoriciclato.com