



The Eco-Ethical Company

gruppo mauro saviola

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PRODUCT DATA SHEET

IDROLEB MELAMINE FACED 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 % |
| Bending strength | UNI EN 310 | N/mm ² 14 ± 3 |
| Tensile strength - internal bond | UNI EN 319 | N/mm ² ≥ 0,35 |
| Surface separation | UNI EN 311 | N/mm ² ≥ 0,8 |
| 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. [Ministerial Decree] 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 1450 | mg/l ≤ 0,3 |

SURFACE

| Denomination | Reference standard** | Values |
|---------------------------------------|----------------------|---|
| Scratch resistance | UNI 9428 | Level 5 for solid colours – Level 4 for woods |
| Taber abrasion resistance | UNI 9115 | Level 5 for solid colours – Level 3 for woods |
| Dirt resistance | UNI 9300 | Level 4 for solid colours – Level 5 for woods |
| Resistance to cold liquids and stains | EN 12720 | Class B |
| Lightfastness | UNI EN 15187 | Level 4 |
| Resistance to temperature shocks | UNI 9429 | Level 5 |
| 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.

IDROLEB MELAMINE FACED ECOLOGICAL 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 | |

This document is subject to periodic review, on a scheduled annual basis.



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, melamine and phenolic resins are a polymer that according to REACH (Title I, Chapter 2, Article 3, Section 5) are exempt from registration . |

Certifications

| Certifying agency | Denomination | Expiry |
|---------------------|--|--------------------------|
| Certiquality | UNI EN ISO 9001:2008 – Quality system | 20 July 2014 |
| Fsc | Cert. No.: FSC-CQ-COC-000001 – FSC MIX | 02 December 2014 |
| Certiquality | LIG 01/2000 - Certifies the exclusive use of recycled wood in the production of Raw Particleboard Panels | 23 February 2014 |
| Catas | CATAS Quality Award Formaldehyde E1 | 31 May 2015 |
| Certiquality | REMADE IN ITALY - Certifies sustainable recycling in Italy | 24 September 2015 |
| Teco | CARB TPC-7 – FORMALDEHYDE CERTIFICATION | 13 February 2014 |
| | CARB Phase 2: maximum emission = 0.09 ppm | |



ALL THE SUPPLIES OF IDROLEB MELAMINE FACED 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 Melamine Faced Particleboard Panel is compliant with the IKEA IOS-MAT 0003 standard.

The IDROLEB 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.