



The Eco-Ethical Company

gruppo mauro saviola

GRUPPO MAURO SAVIOLA S.r.l.

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Code: **NB-09**

Rev. **02**

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19/01/2015

PRODUCT DATA SHEET

F**** 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** | 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. [Ministerial Decree] 26/6 - 84 | D-s2,d0 Dfl-s1 – Class 2 |
| Formaldehyde release | UNI EN 717-1 | ppm ≤ 0,1 |
| Formaldehyde release | ASTM E 1333 | ppm ≤ 0,09 |
| Formaldehyde emissions | JIS A 1460 | mg/l ≤ 0,349 |
| Formaldehyde emissions | Art. 68-26.1 - Art.20-7.4 Law on building materials, Japan | Class F**** |

SURFACE

| Denomination | Reference standard** | Values |
|---------------------------------------|------------------------|---|
| Color measurement - variation | (Test method) UNI 8941 | Whites and solid colours Δ E < 0,5 |
| 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 |
| Compatibility to foods | D.M. 21/03/73 | <15 |
| 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.

F**** 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 | |



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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) | Short 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 |
|-------------------|--|
| 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 |
| Terr. Min. JAPAN | Class F**** |





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FSC® Product

| Description | Product type | Production sites | Species | Main output category | Control System | Main input category |
|-------------|--------------------|----------------------------------|-----------|----------------------|----------------|---|
| Faced Panel | W8.2 Particleboard | Mortara Sustinente Viadana | Not known | Fsc®-Mix | Percentage | W8.2 Particleboard (FSC-Recycled 100%) P2.4 Specialty paper (FSC-Mix or FSC- Controlled Wood) |

ALL THE SUPPLIES OF F** MELAMINE FACED ECOLOGICAL 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)**



| | | |
|--------------------------------|---|--|
| Certificate n°: | 43 / 2002 | Spett. GRUPPO MAURO SAVIOLA SRL-STABILIMENTO |
| Internal protocol n°: | 62 | DI MORTARA |
| Report n°: | 2812 | VIA: DAVINCI 8.P.O. BOX 89 |
| Emission date: | 31/10/14 | 32028 MORTARA (PV) |
| Award certificate expiry date: | 31/05/15 | ITALIA |
| Certification: | COA Formaldehyde E1 | C.A. Ing. Gilberto Borsari |
| Certified product name: | Pannelli di particelle nobilitati ureaio, idrogluco, igriftugo, EPF-S | |

First audit report for year 2014

1 - Internal control

NR requested internal controls from January to June 20
NR received internal controls from January to June 20

The controls carried out according to the prescriptions described by the EN 717-2:04 standard in the period from January to June 2014 have shown an average value of 1.43 mgHCHO/m³ and a 95th percentile of 2.26 mgHCHO/m³. Both values are below the limits established by the agreement (average value below 2.50 mgHCHO/m³ and 95th percentile below 3.50 mgHCHO/m³ using the gas analysis method according to: EN 717-2). The following histogram shows the data distribution obtained.

| Percentile of HCHO concentration | Number of samples |
|----------------------------------|-------------------|
| 0.50 | 1 |
| 1.00 | 1 |
| 1.50 | 1 |
| 2.00 | 1 |
| 2.50 | 1 |
| 3.00 | 1 |
| 3.50 | 1 |
| 4.00 | 1 |
| 4.50 | 1 |
| 5.00 | 1 |

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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 |

The F**** 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.