

MELAMINE BOARDS - DESCRIPTION AND USE

SM 'art[®]
Surface Materials

Designed and made in Italy

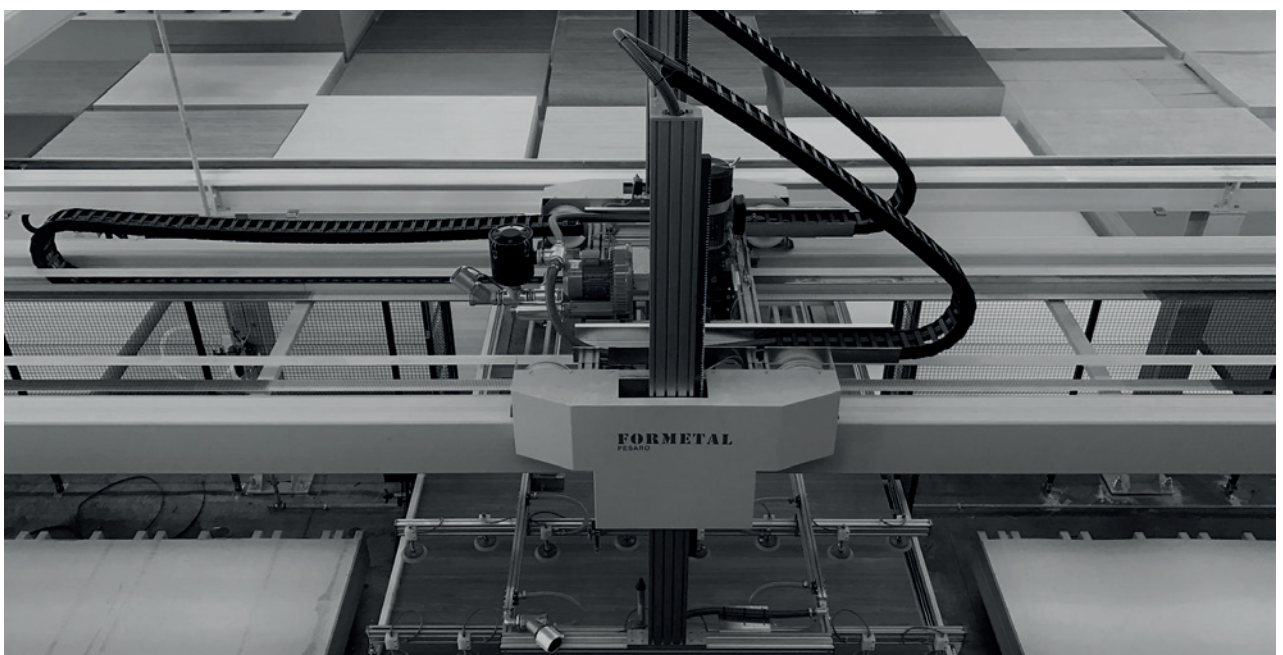
ABOUT US

We are a dynamic, constantly evolving company which has made innovation its mission, taking a new approach to production, management and creativity. Pre-empting trends and proposing new decorative solutions, we have quickly earned the trust of operators in the sector.

We are characterised by our constant research into the product: prestigious raw materials, state-of-the-art technologies and an insatiable creative talent are our greatest strengths. We then add meticulous attention to our customer's requirements with tailor-made style. Now you have a complete picture of the offering that we develop, create and distribute all over the world for the fitting, furniture and construction industries.

MFC

We produce melamine boards with high technical and aesthetic features in different thicknesses and substrates. We create realizations with Synchronized finishes, structured texture and unique decors.



MELAMINE FACED BOARD

The Melamine Faced Board is a product composed by wooden substrates faced with decorative papers and kraft papers.

The wooden substrates that we offer are: particleboards, MDF boards (medium density fibreboard), OSB boards (oriented strand board).

The papers which face these kind of substrate can be two:

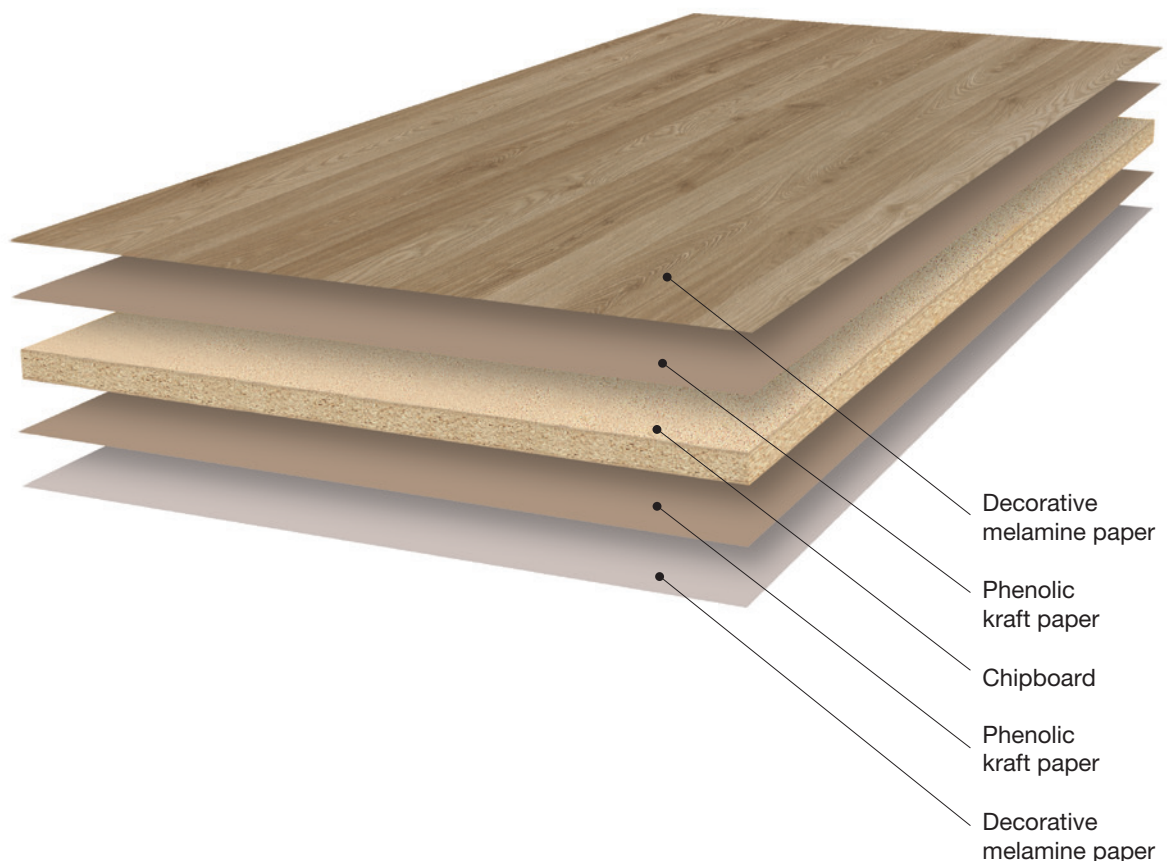
- Melamine impregnated decorative papers. The melamine resins give the superficial resistance to the product. We at SM'art use 100% melamine impregnation which enhance the resistance to water of the finished product. On this type of paper can be printed any kind of pattern: woods, stones, textiles etc... there is, almost, no limit to what you can print. The decorative papers give the aesthetic features to the melamine boards.
- The kraft papers which are impregnated in phenolic resins. These papers are used as an additional layer, between the decorative paper and the substrate. They are used to release deep structures into the boards.

The decorative papers and the kraft papers are impregnated with thermosetting resins. Thank to the heat and pressure give from a specific short cycle press they adhere to the substrate.

The press is also impressing, thanks to specific palates, the tactile textures to the Melamine Faced Board.

Melamine boards are particularly indicated for the furniture production, furniture elements and interior decoration.

Melamine boards produced by SM'art are in compliance with the European norm EN14322.



OUR SUBSTRATES

Particleboard

We offer, in different thicknesses, particleboards substrates in conformity to the UE norm: Standard P2 with, Hydro P3 with moisture resistance, Euroclass B with fire retardant properties.

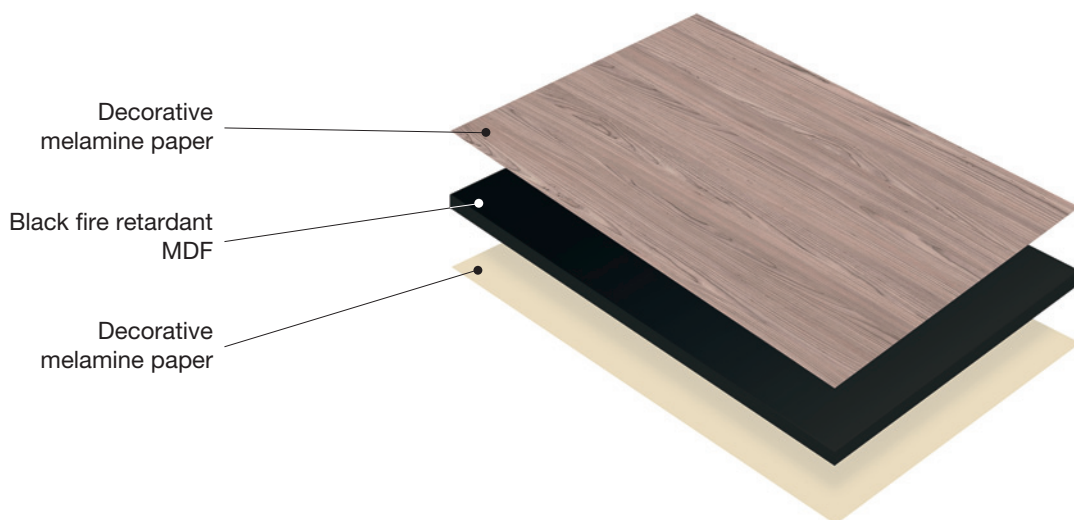
In conformity to the USA norm: EPA with low formaldehyde content.

MDF

We offer, in different thicknesses, particleboards substrates following the UE norm: Standard moisture resistance, Hydro with moisture resistance, Euroclass B with fire retardant properties.

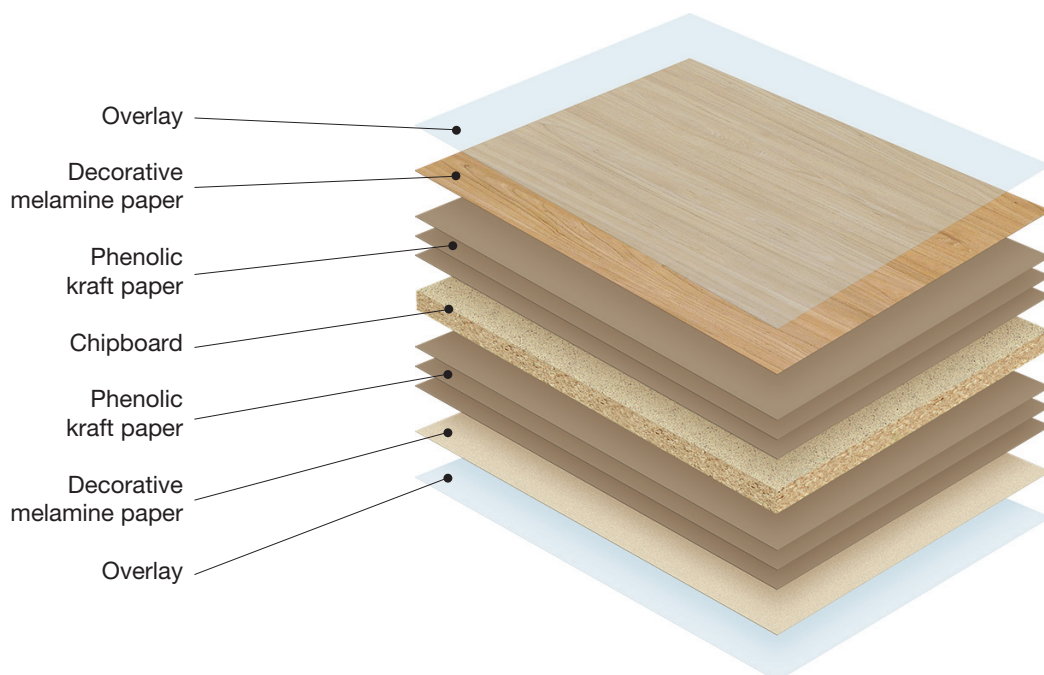
Compact Board

The Compact Board is an MDF board with black core. The board is certified under the UE norm Euroclass B and American ASTM, it has fire retardant features.



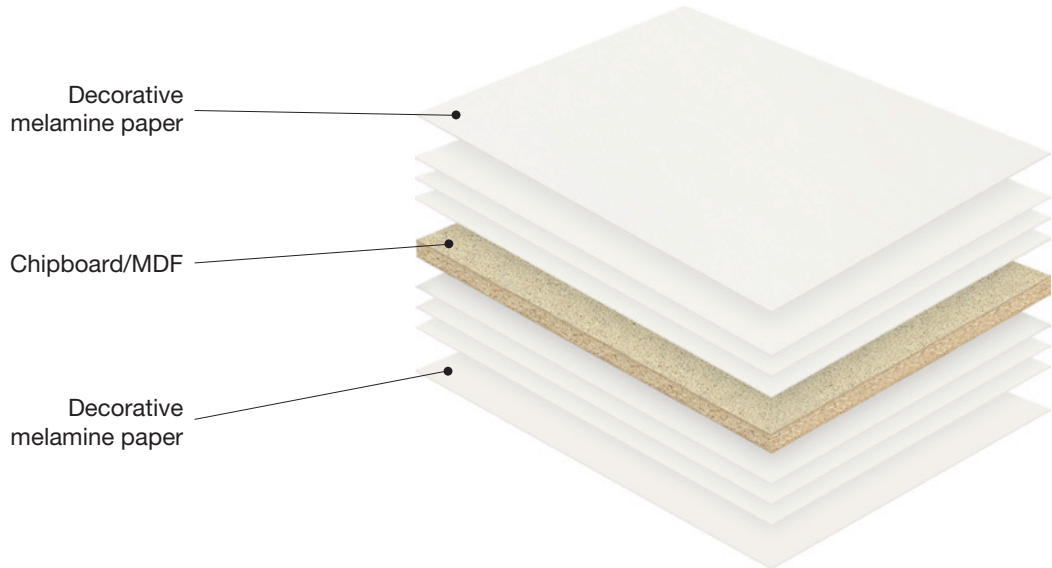
HPB

The High Pressure Board is a solution that we can produce with every décor, texture and substrate of our range. It is an HPL laminate directly manufactured on the demanded substrate. The client won't have to worry about the gluing. The board is much more resistant to the hit and to the abrasion compared to a standard melamine board. Thanks to this features the HPB can be used both horizontally and vertically.



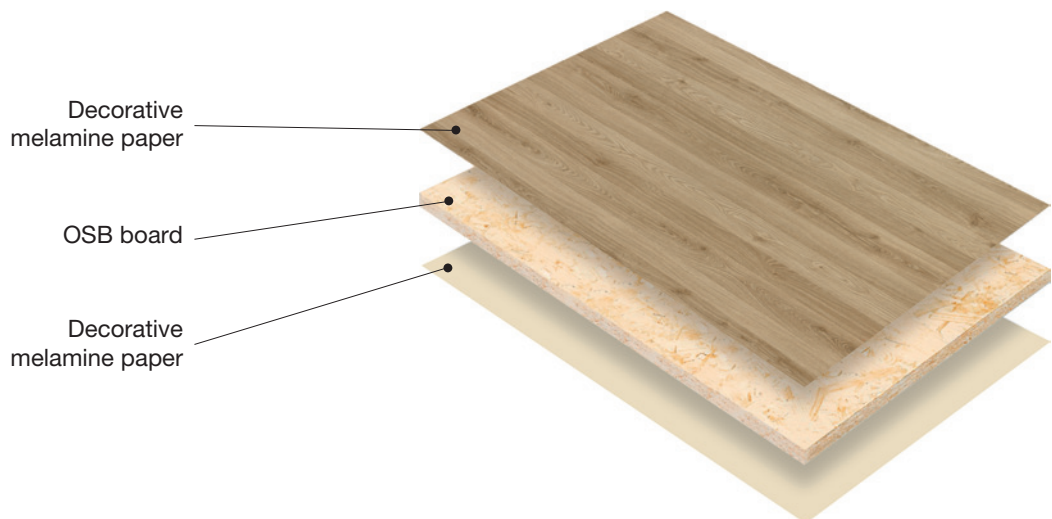
Chrome HPB

The High Pressure Board is a solution that we can produce with every décor, texture and substrate of our range. It is an HPL laminate directly manufactured on the demanded substrate. The client won't have to worry about the gluing. The board is much more resistant to the hit and to the abrasion compared to a standard melamine board. Thanks to this features the HPB can be used both horizontally and vertically.



DWELS

Poplar OSB board that can be surfaced with many decors and textures of the range. The product has high performance: low water absorption, no added formaldehyde, it is very light 540Kgs/m³, very resistance to the flection and with an high resistance to screw tear.



MDF on one side

We manufacture MDF boards surfaced one side particularly indicated for interior doors.

HANDLING AND TRANSPORT

The melamine boards are sharp on the edges, for this reason they should always be handled wearing gloves for protection.

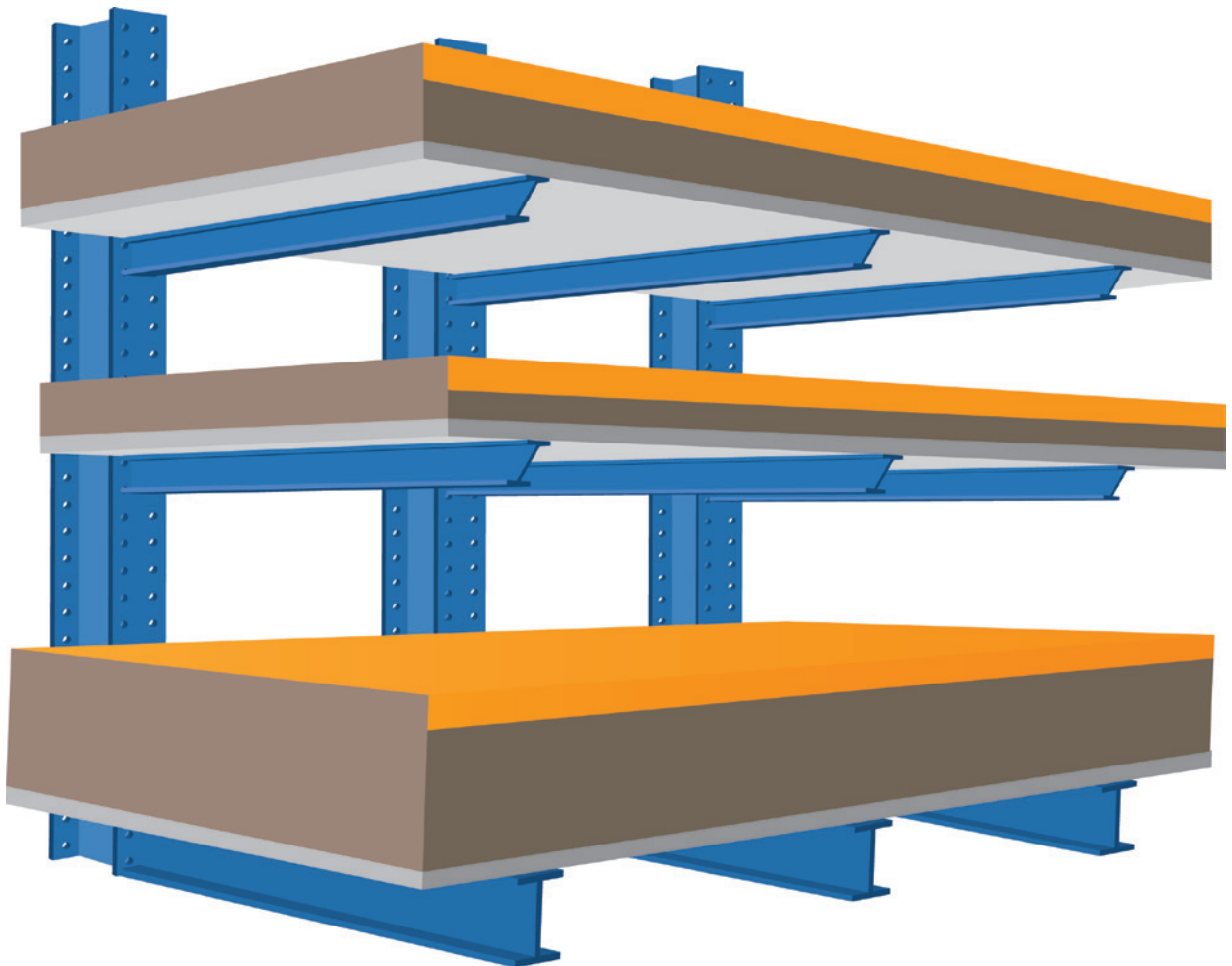
When loading and unloading, the sheets should always be lifted, not slid upon one another, to avoid scuffing. Scuffing can easily create damages.

Melamine boards should be handled with care to avoid brakes.

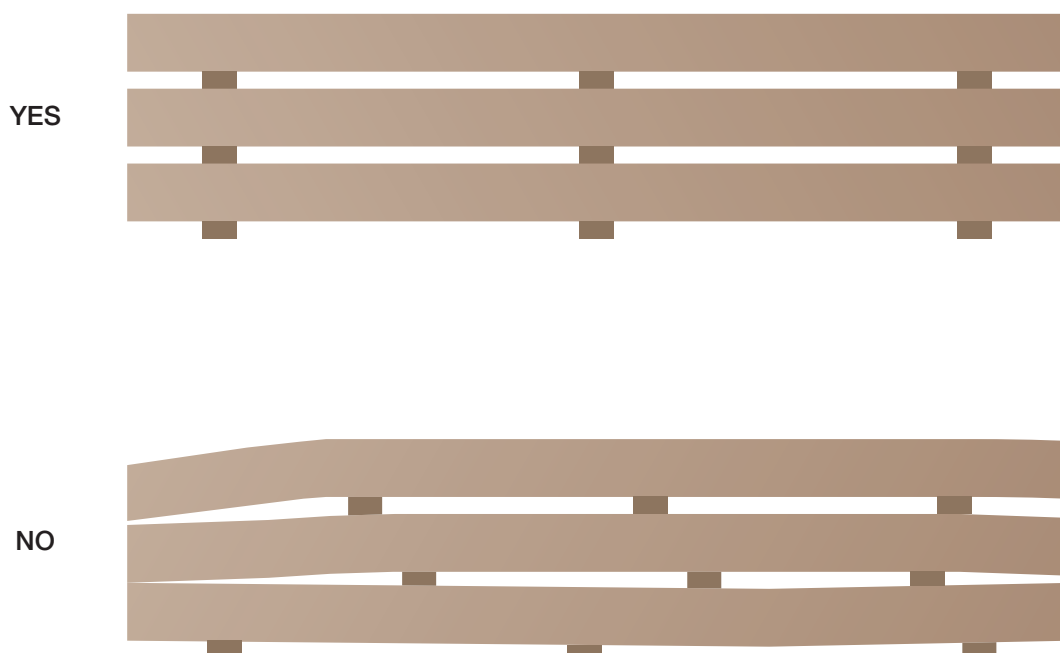
STORAGE

The melamine boards have to be stocked on a flat surface. It is suggestable to stock the boards on shelves or racks. The pile should not exceed in the width the platforms of the shelf or the rafters of the racks. It is always better to pile the boards homogeneously, avoiding them sticking out in the width or in the length.

All the piles should be covered with a carton on top, to avoid dust and dirty



If more packs are piled one on top of the other, the position of the beams of the different packs have to line up in a vertical way.



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If there boards are stocked vertically, the rack should have a slight inclination so that the sheets lean on one side of the rack. We suggest to stock very few boards vertically. It is always better to stock the boards horizontally instead of vertically.

The best storing conditions are with a temperature between 18 and 24°C, and humidity level between 45 e il 55%.

CLEANING

SM'art high pressure laminate can be cleaned with a clean, soft and wet cloth. If the stain is particularly difficult hot water or liquid detergent without abrasives could be used.

Ink, glue or varnish stains can be removed with the use of solvents like alcohol or acetone.