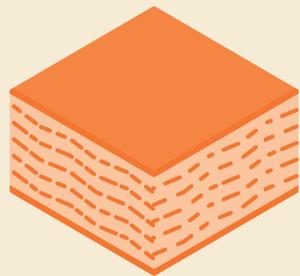


TFT Thermo Fused Texture

Description and Use



SM 'art[®]
Surface Materials

Designed and made in Italy

Company

We are a dynamic and constantly evolving company that has made innovation its mission, adopting a new creative and productive approach.

We design and produce decorative panels and laminates.

We aim to create astounding design materials with a strong **Made in Italy** connotation, not only as a concept, but indeed as the majority of the raw materials we use come from Italy.

By investing in **equipment and valuable raw materials**, we are able to conceive and craft unique decors and finishes in order to create products that convey emotions, materials with a soul.

Through collaboration with **architects and designers**, the artists of today, we want to create a hotbed of ideas that allows us to pursue the dream of a high-end bottega.



TFT Thermo Fused Texture

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

The TFT Thermo Fused Texture panel 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.

- **Decorative papers impregnated with thermo setting resins:** the resins give the superficial resistance to the product. This type of paper can be printed with 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 boards.
- **Kraft papers impregnated with thermo setting resins** used as an additional layer, between the decorative paper and the substrate. They are used to release deep structures into the boards.

Thank to the heat and pressure given by a specific short cycle press the resins polymerize and indissolubly bind the papers to the substrate. The press is also, thanks to specific steel plates, impressing the tactile textures to the TFT panels.

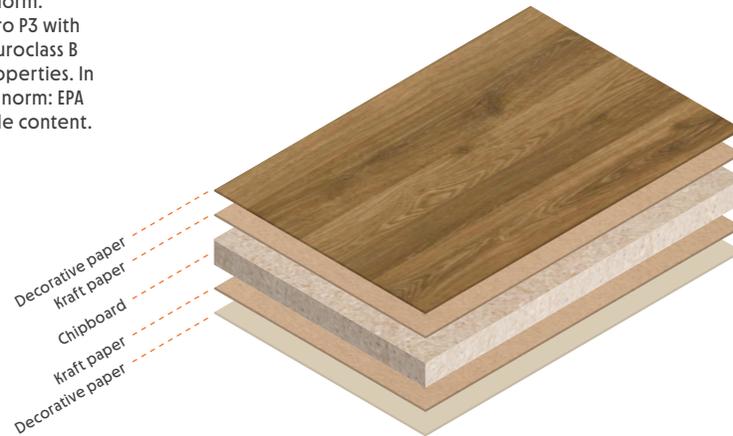
TFT boards are particularly indicated for the furniture production, furniture elements and interior decoration.

TFT panels produced by SM'art are in compliance with the European norm EN14322.

TFT solutions

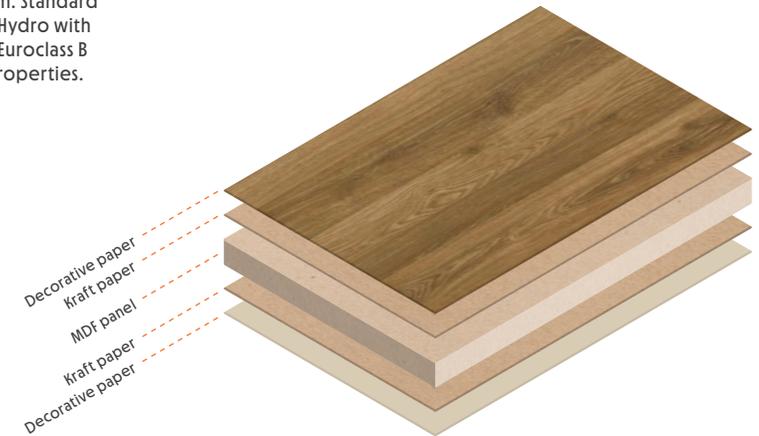
Particleboard

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.



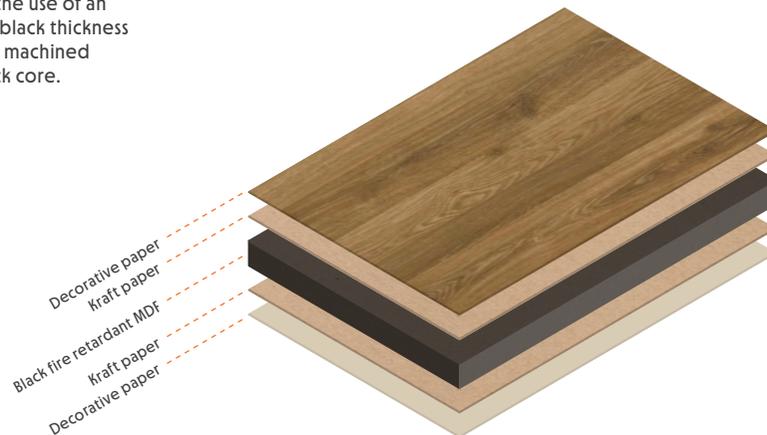
MDF

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



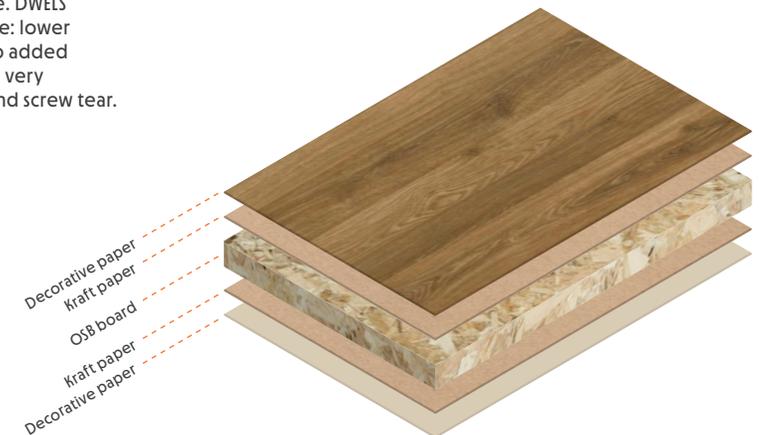
Compact Board

Compact Board is an MDF panel with black core, that can be installed without the use of an edge leaving the black thickness at sight, or can be machined revealing the black core.



DWELS

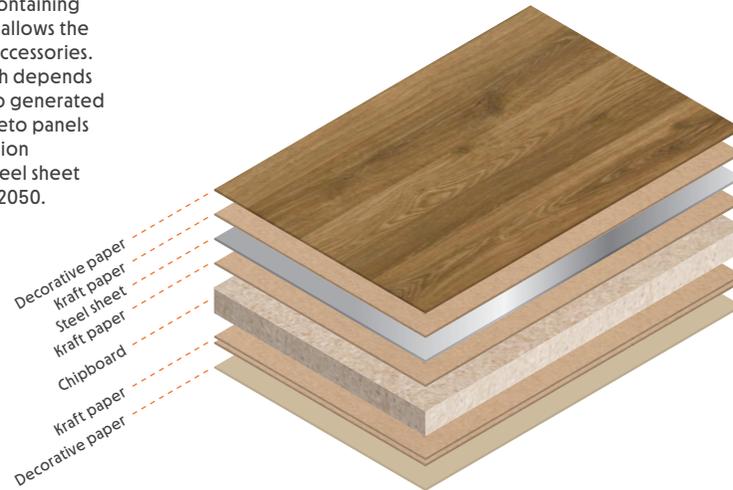
Poplar OSB that can be surfaced with most of the decors and textures of the range. DWELS has high performance: lower water absorption, no added formaldehyde, light, very resistant to flexion and screw tear.



TFT solutions

TFT Magneto

Magneto is a SM'art TFT Thermo Fused Texture panel containing a thin steel sheet that allows the sticking of magnetic accessories. The attraction strength depends on the magnetic camp generated by the magnet. Magneto panels have the usual dimension 3050×2070, but the steel sheet covers the size 3040×2050.



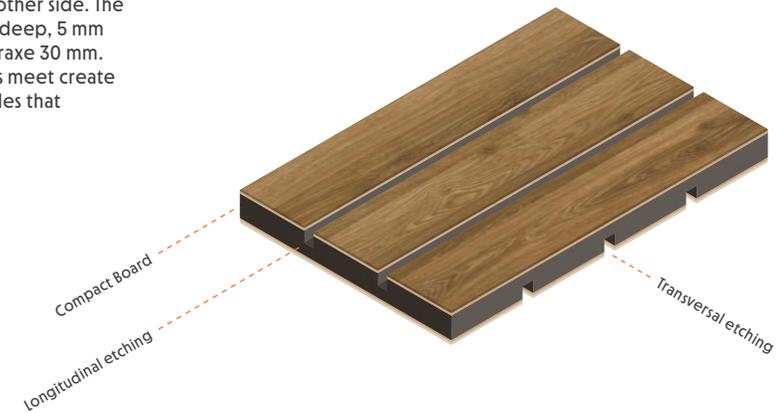
MDF one side

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



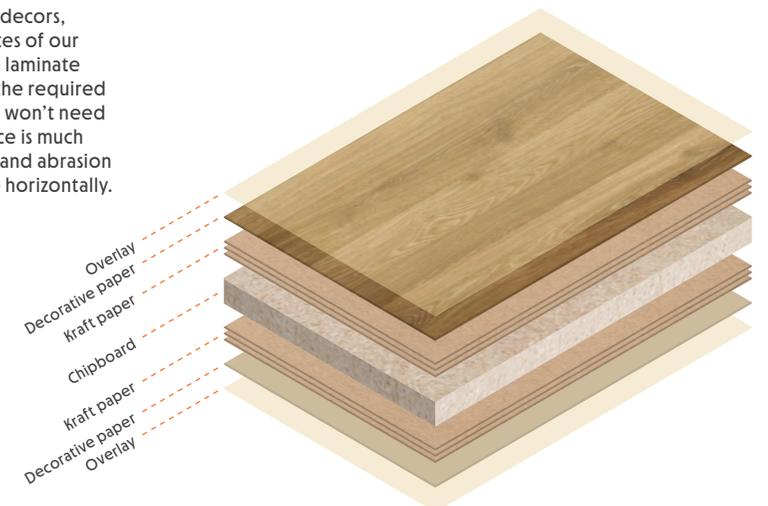
TFT Silent

Silent is made with a 19 mm Compact Board core (black MDF) machined with longitudinal routing on one side and transversal on the other side. The routings are 11 mm deep, 5 mm wide and with interaxe 30 mm. Where the routings meet create square through holes that absorb the noise.



HPB High Pressure Board

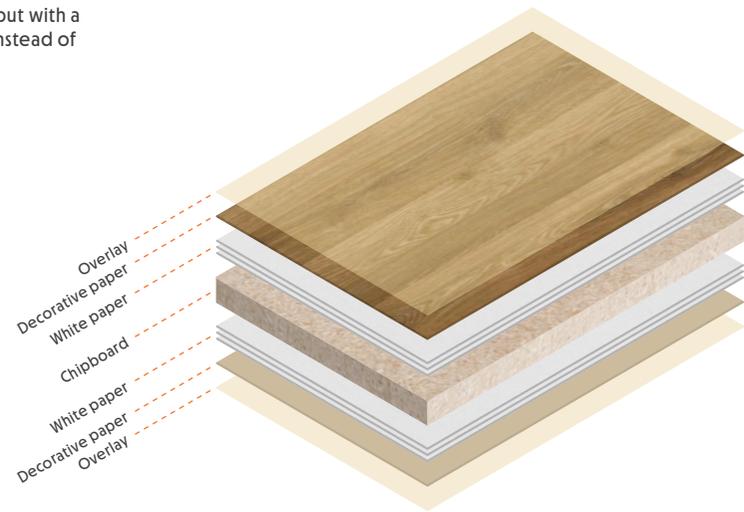
HPB is a solution that we can produce with all the decors, textures and substrates of our range. It consists of a laminate pressed directly on the required board. The customer won't need the gluing. The surface is much more resistant to hit and abrasion and can be used also horizontally.



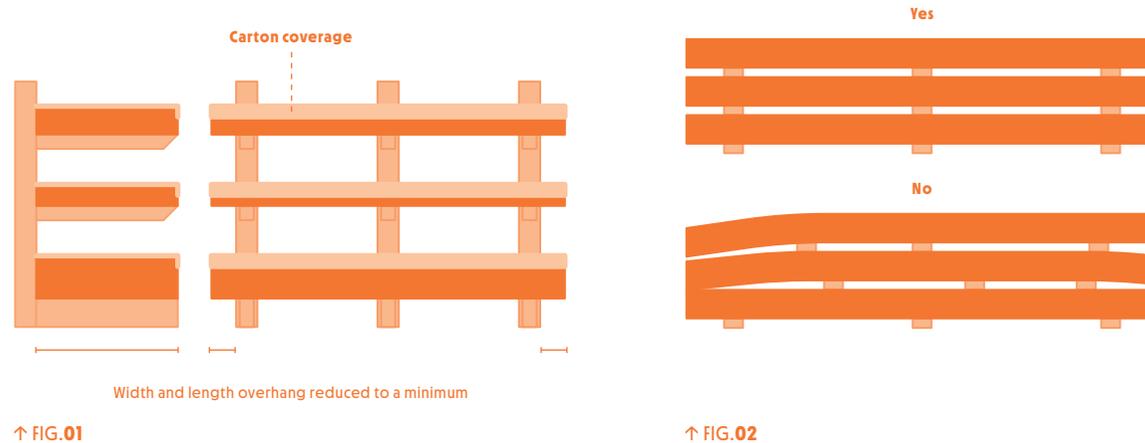
TFT solutions

Chrome HPB

Chrome HPB has the same characteristics as HPB but with a white core laminate instead of brown core.



Storage



The TFT Thermo Fused Texture 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 [→ FIG.01].

All the piles should be **covered with a carton on top**, to avoid dust and dirty [→ FIG.01].

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** [→ FIG.02].

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%.

Handling and transport

The TFT Thermo Fused Texture 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. TFT Thermo Fused Texture boards should be handled with care to avoid brakes.

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.

SM 'art[®]
Surface Materials

www.s-m-art.it
info@s-m-art.it