



MADERA

Fiber Technologies

Lignohemp AK



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3- Lignohemp AK



Lignohemp AK: Simple and reliable process.

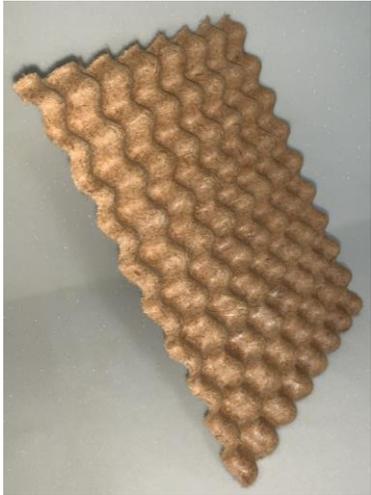


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Advantages:

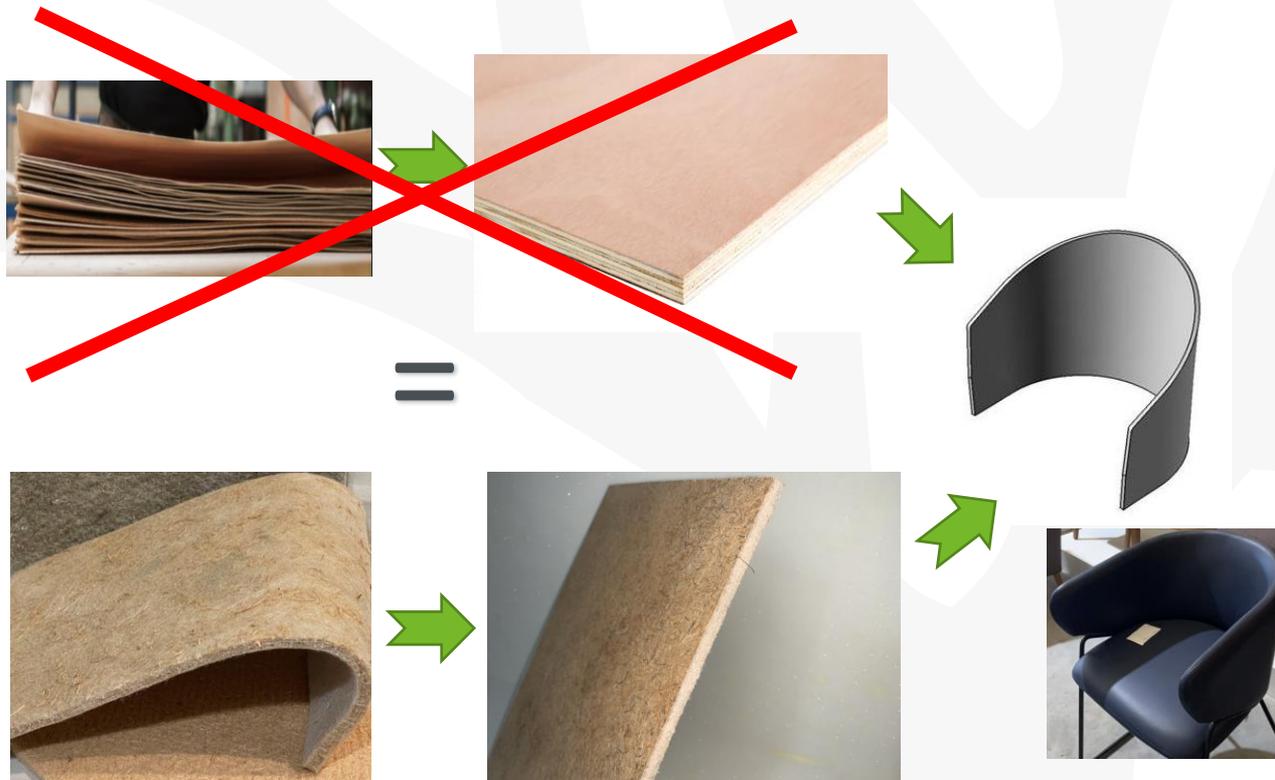
- Thermoset material.
- Formaldehyde free.
- More ecological and eco-sustainable material.
- 92% bio-based material (renewable and “green” materials).
- Ecofriendly product: Reduces the carbon footprint.
- Cost reduction versus plywood :
 - Pine fiber material versus other tree species.
 - Elimination of 90% of resins/glues.
 - Reduction of manufacturing costs (stability time and adhesive process is avoided and pressing time is reduced).
- Price stability: Stability, guarantee of supply and sustainability of the pine market in Galician (Spain).
- The material that allows complex shapes and large draws (3D).
- The material must be produced in hot mold ($T^a > 190^{\circ}\text{C}$).
- Covering with different materials.
- The material can be joined together as a multilaminar product without the need to use glues to achieve greater thicknesses/densities.



Lignohemp AK : Simple and reliable process.



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Ligno hemp AK: Production.



Hot Press





Lignohemp AK : Postprocessing



Screwdriver and drill



Wood cutter machine



Ligno hemp AK: Automotive.



Specifications:

Thermoformed material with certified pine wood and agricultural fibers that give it the necessary rigidity and flexibility.

92% bio-based material (renewable and “green” materials).

Natural, light and sustainable.

Thermoset material.

The material can be produced in hot mold ($T^a > 190^{\circ}\text{C}$).

The material can be manufactured to the measurements and thickness/density desired by the customer.

Covering with different materials.

Optionally, it can be produced with a broad-spectrum fungicide, which gives it very high protection characteristics against fungal attack.



Lignohemp AK: Furniture: Chairs

Specifications:

Thermoformed material with certified pine wood and agricultural fibers that give it the necessary rigidity and flexibility.

Thermoset material.

92% bio-based material (renewable and “green” materials). Natural, light and sustainable.

Material designed to replace multilaminar materials as plywood.

The material allowing any type of shape/drawing (3D).

The material can be manufactured to the measurements and thickness desired by the customer.

The material can be produced in hot mould ($T^a > 190^{\circ}\text{C}$).

The material can be joined together as a multilaminar materials without the need to use glues to achieve greater thicknesses/densities.

Optionally, it can be produced with a broad-spectrum fungicide, which gives it very high protection characteristics against fungal attack.



Lignohemp AK: Furniture: Tables, doors.



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Specifications:

Thermoformed material with certified pine wood and agricultural fibers that give it the necessary rigidity and flexibility.

Thermoset material.

92% bio-based material (renewable and “green” materials). Natural, light and sustainable.

Material designed to replace multilaminar materials as plywood or DM on the top and bottom panel.

The material allowing any type of shape/drawing (3D).

The material can be manufactured to the measurements and thickness desired by the customer.

The material can be produced in hot mold ($T^a > 190^{\circ}\text{C}$).

Optionally, it can be produced with a broad-spectrum fungicide, which gives it very high protection characteristics against fungal attack.



Lignohemp AK: Furniture: Others.



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