



## core&TECHNICAL

Products

Wood-based panels are the basis of everything we do and the most flexible, sustainable and functional alternative to real wood. With an efficient use of raw materials, they have greater dimensional flexibility that allows the development of solutions that improve people's lives. They are the core of all our solutions, for construction products and furniture - that's where everything begins.

The Core & Technical range offers a wide variety of products adapted to the several technical requirements. Our range of particleboard, MDF and OSB products has high technical performance and application possibilities, such as residential and office furniture, kitchen and bathroom cabinets, doors and walls. Discover, in the Core & Technical range, the perfect solutions for surfacing, lacquering and milling, also available with additional improved properties of fire reaction, moisture resistance and formaldehyde emission levels.

Consult the products available with CARB2 / EPA, NAF and F\*\*\*\* formaldehyde emission levels at our distributors.

[www.sonaearauco.com](http://www.sonaearauco.com)

**SONAE  
ARAUCO**  
Taking wood further

**core&TECHNICAL**  
Products

WHERE  
EVERYTHING  
BEGINS

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ARAUCO**  
Taking wood further



SUSTAINABLE PRODUCTS  
FOR A BETTER LIFE



# 1 ECOBOARD

The Sonae Arauco product range produced with **formaldehyde-free resins (NAF)**

At Sonae Arauco we are committed to the concepts of sustainability, environment respect and healthy living and we actively respect these principles in all our business practices.

As a result of this concern, Sonae Arauco also offers the ECOBOARD product range, which stands out for using formaldehyde-free resins. Whether in PB (Particleboard), MDF (medium density fiberboard) or OSB (Oriented Strand Board), we present a comprehensive range of **formaldehyde-free** glued products to meet the most demanding ecological concerns and to improve indoor air quality (IAQ).

- PB P2 Ecoboard
- MDF ST Ecoboard
- OSB Ecoboard

# 2 FIRE X

Fire X products help delay combustion, increasing escape time and slowing the spread of fire

- PB P2 Fire X
- PB P3 Fire X
- PB P4 Fire X
- PB P6 Fire X

- MDF Fire X

Besides our commitment with environmental issues we are also committed with the safety of the final users of our products.

As so our product offer is also available with fire retardant characteristics, reduced flammability, essential for public spaces in several applications. FIRE X (FR) includes a wide range of products in both PB and MDF, melamine surfaced or not, ready to be used for furniture, doors or wall paneling in areas subject to compliance with special fire protection regulations as it contributes to reducing combustion and heat, as well as reducing or slowing the spread of fire.

# 3 HYDRO X

Hydro X products have special moisture resistance characteristics, helping to maintain the healthiest and safest living spaces

- PB P3 Hydro X
- PB P5 Hydro X
- PB P7 Hydro X

- MDF Hydro X

Spaces with high level of moisture have specific requirements. Sonae Arauco offers a range of HYDRO X (MR) products with a great performance in damp environments also across the several different product types, melamine surfaced or not.

As such our product offer is also available with moisture resistance properties of very low swelling values and excellent dimensional stability.

# 4 SUPERLAC

MDF for non-load-bearing use in dry conditions with high lacquering quality properties

- MDF Superlac

For a smooth and homogeneous lacquering process Sonae Arauco offers products specially developed with improved surfaces and suitable for demanding finishing techniques. MDF Superlac is the best solution for high quality lacquering with the lowest coat load necessary and smoothest intermediate sanding between lacquering layers, thus presenting important savings in time and money.

# 5 NOVOLAC

The ideal MDF for deep routing in non load-bearing applications

- MDF Novolac

MDF Novolac is a very versatile product and is the ideal material for designers and manufacturers. With an adjusted density profile and the finest fibers used, the surface remains stable and smooth even with deep routing and can be subsequently lacquered or coated.

## WHY USE WOOD-BASED PRODUCTS?

There are clear advantages of using wood-based boards, rather than solid wood, in particular:

- Availability in different types and formats adapted to the user's needs;
- Allow the application in much larger sizes than sawn solid wood;
- Greater resistance in the plane of the board;
- Good strength-to-weight ratio;
- Greater dimensional stability;
- Obtaining homogeneous products.

In addition to the technical arguments for choosing wood-based products in applications they are recommended for, their good environmental performance should also be pointed out, in particular for:

- Contributing to the sustainable use of forest resources;
- Promoting a better use of wood resources, as the materials that cannot be used to manufacture panels are used to generate the energy required for the process.





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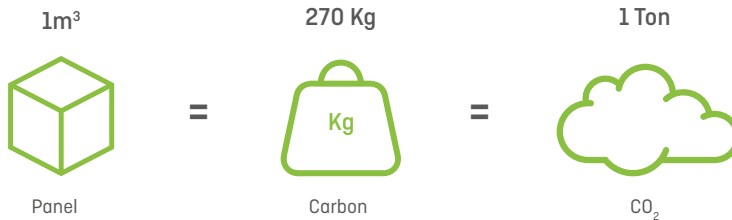
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Forests are a recognised carbon sink (photosynthesis) and forestry derivative products are authentic carbon stores. In this case, the wood-based products are long-lasting carbon stores, in particular if used in furniture and construction and if they are recycled.