

Arpa  | FENIX®

**Making
real impact
for less impact**

2024

MATERIALISING SUSTAINABILITY (A GROUP PERSPECTIVE)

We are part of the materials division of Broadview – alongside other well-known brands, like Trespa, Formica Group, Westag, Homapal and Direct Online Services.

As part of this Group, we share a common sustainability approach, whose key element is reducing our carbon footprint.

It means putting into action investments to minimise the environmental impact in all of the operations and products and, consequently, reduce our footprint. This long-term strategy consists of two main pillars: the replacement of the most impactful inputs and the improvement of the efficiency of materials and processes.

All this is summarised in the sustainability mission that outlines the constant commitment of our Group.

Making Real Impact for Less Impact



OUR FACT-BASED APPROACH

Arpa Industriale's primary focus is **reducing its carbon footprint**. The approach is straightforward: we measure our impact, select targets to reduce it and monitor and report on progress.

To measure our impact, we use the Life Cycle Assessment (LCA) methodology, which is the most reliable and fact-based tool to evaluate the environmental burdens associated with the entire life cycle of a product, process, or activity. This is done through the identification and quantification of the energy, water and materials used and the waste and emissions released into the environment.

Our fact-based approach consists of improving our processes by **increasing efficiency** and selecting **less impactful raw materials**. Investments are regularly put into action to minimise the environmental impact in all of the operations and products and, consequently, reduce our footprint.

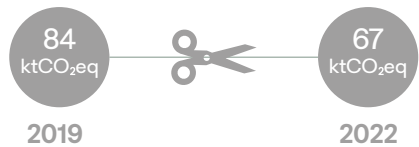
We measure.

We act.

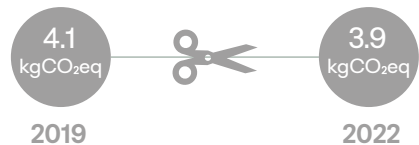
We monitor.

We share.

Learn more about Arpa's sustainability approach on [arpaindustriale.com](https://www.arpaindustriale.com)



Arpa total **carbon footprint** (cradle to gate), from 2019 to 2022: **-20%**.



Arpa **carbon footprint** impact per sqm from 2019 to 2022: **-3%**.

MORE RENEWABLE MATERIALS, MORE DURABILITY: TECHNOLOGIES THAT PRODUCE RESULTS

Innovation is a key driver in the creation of valuable, more sustainable and durable materials for interior design. To reduce our impact, we also act on raw materials by exploring less impacting ones. Although our surface materials are already prevalently made of renewable materials (wood fibre), our centre of excellence for innovation and technology is focused on further increasing materials' renewable content by replacing raw materials of fossil origin with bio-based alternatives. Moreover, durability granted by the surface properties, like for instance resistance to scratches, impact, abrasion, chemical substances, and heat, plays a strategic role in preventing the need for a product replacement. This means reducing the use of resources and the production of waste, and the associated environmental impact.

BLOOM TECHNOLOGY

The core of our surfaces are made of paper (a renewable material of natural origin) and thermosetting resins containing phenol. The **Bloom** technology has introduced the use of lignin to **reduce the amount of phenol in the core resin by 50%**. Lignin is a natural bio-based polymer and a by-product of the wood industry. Defined as the glue that holds wood fibres together, it is very abundant and normally used by the pulp industry to produce energy. This use in thermosetting resins is innovative.



It **reduces phenol** included in the core's resin **by 50%**.

VIS TECHNOLOGY

VIS is an engineered surface with mineral components that significantly increase wear resistance and organic components that enhance the tactile experience of the textures.

With a **wear resistance up to 20 times higher** than standard HPL, VIS technology allows surfaces to be more durable.



Wear resistance **up to 20 times higher** than standard HPL.

FENIX AND THE CARBON FOOTPRINT

The carbon footprint of all FENIX materials have been quantified.

Besides actively working on reducing its carbon footprint, FENIX compensates hard-to-abate emissions generated through its whole life cycle through carbon offsetting projects. The selected carbon-captured projects are waste-to-energy facilities in which the methane gas released from the landfills is used to generate electricity.

FENIX's carbon footprint is certified by an independent third party.

Emissions data are published on FENIX's Environmental Product Declarations (EPDs).



FENIX panels are produced in a state-of-the-art plant that has minimised the energy and water usage, and decreased scrap waste.



100% green electricity is used in the manufacturing process, either generated on site or sourced as certified clean energy.



The bio-based content of FENIX NTM Bloom is certified by an accredited third party with a declared 68% bio-based content.



The Bloom technology has allowed us to increase the share of bio-based material by introducing lignin, a renewable material. This technology has reduced the amount of phenol included in the core's resin by 50%.

Download related reports, certificates and EPDs on fenixforinteriors.info

Arpa 

arpaindustriale.com

FENIX[®]

fenixforinteriors.com



Discover our sustainability journey.

nemho next
material
house

nemho.com