

Circular by design: Carbon-negative solutions for the built environment.

HONEXT[®]

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HONEXT[®] boards
offer a certified
carbon-negative
alternative for building
materials.



Challenges for the built environment.

The built environment is a primary consumer of four of the five materials that account for 55% of the world's industrial carbon emissions. Additionally, it generates approximately one-third of all waste and accounts for about half of all extracted materials and energy consumption, as well as about a third of our water consumption.* To reduce these emissions, the sector needs to embrace the principles of a circular economy.

Circular materials for the built environment.

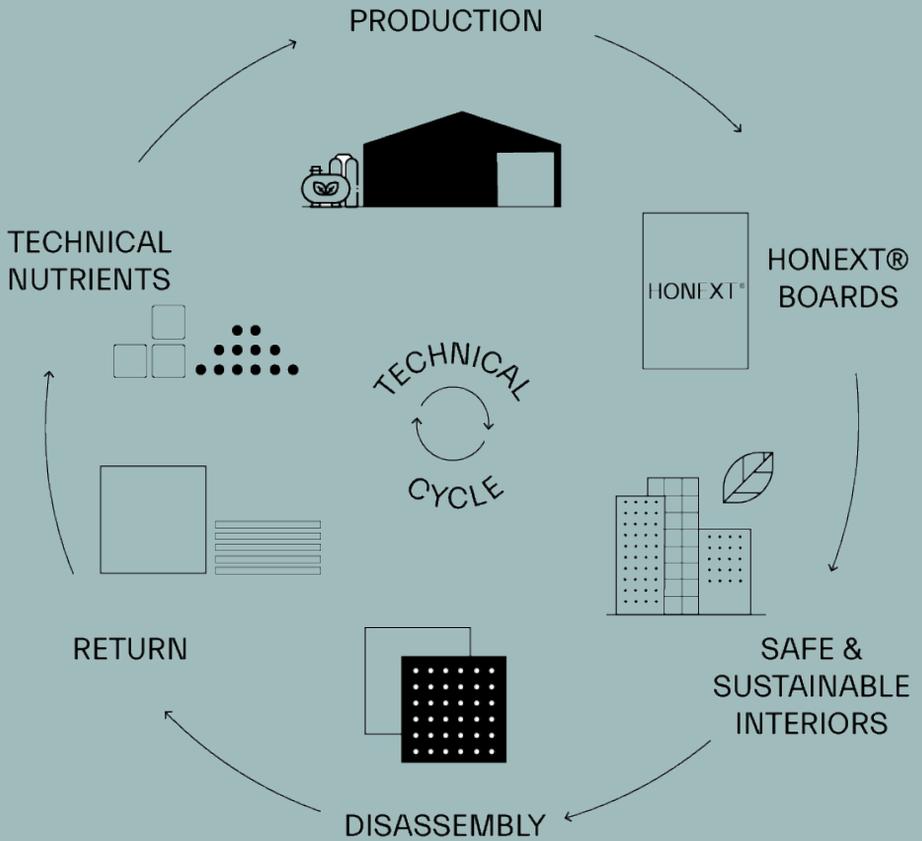
One core condition to be in place for a circular system to achieve the net-zero transition is to increase the supply of, and access to, “circular materials”.

Circular materials are defined as “pre-used, low or/ zero-carbon, recyclable, or recycled”. And even in this category, “Re-using and recovering materials should always be the priority in order to minimize waste and overall demand for new materials”*.

We upcycle industrial fibres through our HONEXT® Process, into fully recyclable boards for interior use. Thanks to using 100% waste as raw material, the HONEXT® boards are not only circular by design, they are also carbon-negative, making them a truly sustainable alternative for the built environment.

*Quote Source: World Economic Forum, COP27, 2 Nov. 2022

OUR VISION



Waste as an untapped resource.

It is time to rethink waste and acknowledge its potential value through new uses.

In 2021, the Pulp and Paper industry estimated that more than 7 million tons of paper sludge* needed to be disposed of in the EU, with the majority of this going to landfill or incineration.

Now, thanks to our groundbreaking discovery of how to strengthen the cellulose fibres of this industrial residue, we can avoid it going to waste and transform it into HONEXT boards. At the end of use of the boards, they can be recycled.

By upcycling waste in this innovative manner, the boards are certified carbon-negative - making them a valuable and truly sustainable alternative for the built environment.

*Projected data from 2020 using public and internal sources.

THE HONEXT CIRCULAR SOLUTION



Upcycled industrial fibres



HONEXT® use both paper sludge and OCC (old, corrugated cardboard) as well as other industrial fibres as the raw material base.

Resin-free, bio-based process



Thanks to our research, our industrial patent process allows us to generate stronger bindings between cellulose fibres with no need for added resins.

Our boards are
carbon-negative,
flame-retardant,
safe for humans and
the environment.

The HONEXT FR-B board is Euroclass B-s1, d0 rated, without the use of any toxic chemicals, making it a perfect choice for e.g. decorative panels, sandwich panels or acoustic panels in public spaces.

FR-C has the same excellent properties, but rated Euroclass C-s1, d0. Manufactured and designed for additional processing.

For more information and where to buy,
please go to honextmaterial.com

THE HONEXT® BOARD



The HONEXT® board has the following features:



Certified carbon-negative.



Certified circular by design, it can be recycled after use.



Flame-retardant (FR-B and FR-C available) and non-toxic, with no formaldehyde nor VOCs added.



Low-emissions and certified for material health, making it safe for both humans and the planet.



Suitable for creating healthy interior environments in a range of settings, including public buildings, workplaces, hospitality venues, healthcare facilities, and educational institutions.



Manufactured and designed for additional processing. It can be cut, glued, drilled, texturised, and laminated.



Lightweight and flexible, making it ideal for complex design work.



Low thermal conductivity.



Breathable, helping to regulate indoor humidity.



Sound absorbent.

THE HONEXT® BOARD



Building safe and healthy environments.

HONEXT® boards offer a carbon-negative alternative, with competitive mechanical properties suitable for application in the interior built environment. They are a real alternative to current building materials, providing low-emission and healthy interiors for public spaces. Explore their multiple applications for decorative panels, acoustic solutions, ceiling, flooring, partitioning, and furniture.

APPLICATIONS



ACOUSTIC SOLUTIONS



Contractor: **Grupo Construcción**

Application: **Acoustic Panel**

Area: **300 m²**

OFFICES & FUNCTIONAL SPACES



Workspaces at Grupo Construcía, Barcelona,

WALL CLADDING



Contractor: **Grupo Construcción**
Application: **Wall Cladding**
Area: **1000 m²**

OFFICES & FUNCTIONAL SPACES



Co-Working Torre d'Ara, Badalona, Spain

WALL CLADDING



Brand: **Stella McCartney**
Application: **Wall Cladding**
Area: **265 m²**

RETAIL PROJECTS



Stella McCartney flagship store in Saudi Arabia

FURNITURE



Brand: **ECOALF**

Architect: **Studio Urquiola**

Application: **Furniture**

RETAIL PROJECTS



ECOALF flagship store, Milan, Italy

FURNITURE



Designers: **Quality Craft Group**
Application: **Furniture & Wall-cladding**

FURNITURE



Quality Craft Furniture, Valencia, Spain

PARTITION WALLS



Interior Designer: **Sylvain Carlet**
Application: **Exhibition**
Area: **435 m²**

EXHIBITIONS



Expormim Stand at Salone del Mobile 2022 at Milan, Italy

Upcycling industrial fibres
into carbon-negative
products for the built
environment.

Honext Material S.L. is a Barcelona-based company with an IP protected, certified circular process using upcycled waste fibres to manufacture carbon negative, non-toxic and recyclable boards for the built environment. Learn more about our truly sustainable solution for the built environment by contacting us, or one of our distributors.



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