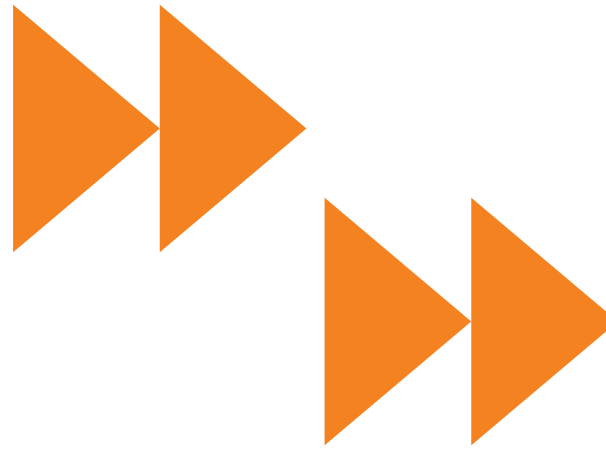




# Bio-revolution is not magic. Just good chemistry.

Produced by Fibernol through a unique process that valorizes lower-quality hardwood, WoodCell Crystalline cellulose is the breakthrough at the heart of the WoodCell project. Together with our partners, we enable new value chains in packaging, coatings and energy storage by delivering sustainable, high-performance solutions beyond fossil-based chemistry.



## Why crystalline cellulose?

Cellulose is nature's building block. It is abundant, renewable, and works across industries. When sourced and processed sustainably, it becomes a new key enabler of a bio-based circular economy.

## Why WoodCell crystalline cellulose?

WoodCell Crystalline cellulose is fully bio-based, created through an innovative, resource-efficient process, and food-contact safe. It unlocks new possibilities for coatings and beyond:

- + Plastic-free coatings to replace fossil-based layers
- + Biodegradable, recyclable, and safe for the environment
- + Excellent barrier to air, oxygen and oil
- + Stronger, lighter, and more rigid materials
- + Higher productivity in industrial manufacturing

## Where WoodCell crystalline cellulose delivers

- + Paper & packaging: stronger, lighter, fully recyclable
- + Coatings & paints: durable performance without fossil additives
- + Energy storage: advanced binders powering next-gen batteries





## WoodCell project flips the script by:

- + Unlocking new functionality with patented Sunburst™ pre-treatment
- + Turning hardwood side-streams into high-value materials
- + Delivering a high-performance material ready for demanding applications
- + Building Europe's first industrial-scale crystalline cellulose facility
- + Enabling circular, competitive alternatives to fossil-based materials
- + Strengthening EU resource independence and industrial resilience
- + Maximizing the circular use of wood biomass



## Our partners: Pioneers across the value chain

The WoodCell project unites industry leaders, researchers, and innovators:

- + **Fibenol** – transforms wood residues into bio-based building blocks
- + **RISE, EPFL, HES-SO, LIST** – world-class R&D and life-cycle expertise
- + **Skeleton Technologies, Coatex** – applications in energy storage and paints
- + **DS Smith** – next-gen packaging solutions
- + **Foreko** – sustainable forestry

Together, we close the loop from raw material to end-use, building entirely new value chains.

**Fibenol**

**RISE**

**EPFL**

**skeleton+**

**ARKEMA**

**Hes·so**

**LIST**

**DS Smith**

**FOREKO**

# Fast forward with good chemistry

WoodCell project is stepping stone for scalable, fossil-free innovation. By putting Crystalline cellulose at the heart of high-performance materials, we are shaping the chemistry of tomorrow.



## Contact us

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**Fibenol** FAST FORWARD FROM FOSSILS TO BIOBASED **WOODCELL**