

## UNILIN panels | Furniture boards produced from recovered wood



*Post-consumer wood from urban areas is collected, cleaned and processed in high tech recycling plants to re-convert into viable raw material for quality board products for furniture and interior use.*

UNILIN represents one of the most advanced recycling systems for valorizing post-consumer wood waste streams on large industrial scale. It relies on an established collection system and supplier network. Cascading wood reduces the need for fresh roundwood and prolongs the carbon capture. Particle boards from recovered wood are a prime case for Circular Economy in the sector. Highlights of innovative features :

- Large investments in high tech sorting and cleaning equipment enables the processing of huge volumes of demolition and urban waste: up to 1 million tons are recycled into panels per year.
- Chipboards are produced with up to 90% recycled wood.
- To offset carbon emissions, factories are powered 70-90% by renewable energy from wood waste that cannot be recycled.
- Partnerships with a large supplier network including container parks, demolition firms, packaging and furniture industries ensure the recovery of large wood volumes that are no longer usable for other processes.

## DETAILS

---

### ORIGIN OF WOOD

Deconstruction work

### TYPE OF WOOD

Recycled or waste wood

### KIND OF WOOD CONCERNED

--

### IMPACT ON ENVIRONMENT & BIODIVERSITY

--

### INCOME EFFECT

--

### EXPLOITATION POTENTIAL

--

### HUB

--

### ECONOMIC IMPACT

--

### SPECIFIC KNOWLEDGE NEEDED

--

### MOBILIZATION POTENTIAL

--

### SUSTAINABILITY POTENTIAL - VALUE

--

### EASE OF IMPLEMENTATION

--

### EASE OF IMPLEMENTATION - EVALUATION

--

### KEY PREREQUISITES

--

### TYPE OF EVENT WHERE THIS BPI HAS BEEN FEATURED

--

### JOB EFFECT

--

### COSTS OF IMPLEMENTATION ( EURO - € )

--

## MORE DETAILS

---

### CHALLENGE ADDRESSED

6.- Grow the forest-based bioeconomy through circular use and value-added products

### DOMAIN

Forest-based bio/circular economy

### TYPE OF SOLUTION

Circular, bio-based products

### KEYWORDS

recovered wood; waste wood; recycling; wood-based panels

### DIGITAL SOLUTION

Yes

### INNOVATION

Yes

### COUNTRY OF ORIGIN

Belgium

### SCALE OF APPLICATION

Regional/sub-national

### START AND END YEAR

--

## CONTACT DATA

---

### OWNER OR AUTHOR

UNILIN Panels

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

### REPORTER

InnovaWood asbl

Uwe Kies

[uwe.kies@innovawood.eu](mailto:uwe.kies@innovawood.eu)

## REFERENCES AND RESOURCES

---

### MAIN WEBSITE

<https://www.unilinpanels.com/en>

### PROJECT WEBSITE

[www.woodcircus.eu](http://www.woodcircus.eu)

### PROJECT REFERENCE

WoodCircus - Horizon 2020 no. 820892, 2018-2021

### RESOURCES

--

LOGO OF BEST PRACTICE

LOGO OF MAIN ORGANIZATION



PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood 4.0

POST DATE

24 Nov 2021



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 862681

A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

