

## 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.

## DETALHES

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### ORIGEM DA MADEIRA

Trabalhos de desconstrução

### TIPO DE MADEIRA

Madeira reciclada ou resíduos

### TIPO DE MADEIRA EM CAUSA

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### IMPACTE NO AMBIENTE E BIODIVERSIDADE

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### IMPACTE NAS RECEITAS

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### POTENCIAL DE EXPLORAÇÃO

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### HUB

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### IMPACTE ECONOMICO

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### CONHECIMENTOS ESPECIFICOS NECESSÁRIOS

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### POTENCIAL DE MOBILIZAÇÃO

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### SUSTENTABILIDADE POTENCIAL - VALOR

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### FACILIDADE DE IMPLEMENTAÇÃO

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### FACILIDADE DE IMPLEMENTAÇÃO

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### PRE-REQUISITOS CHAVE

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### TIPO DE EVENTO EM QUE ESTE BPI TEM SIDO APRESENTADO

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### IMPACTE NO EMPREGO

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### CUSTOS DE IMPLEMENTAÇÃO (EURO - EUR)

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## MAIS DETALHES

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### DESAFIO ABORDADO

6. Fomentar a bioeconomia baseada na floresta através do uso circular e de produtos de valor acrescentado

### DOMÍNIO

Indústrias do sector florestal, bioeconomia circular

### TIPO DE SOLUÇÃO

Produtos biodegradáveis e reutilizáveis

### PALAVRAS-CHAVE

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

### SOLUÇÃO DIGITAL

Sim

### INOVAÇÃO

Sim

### PAÍS DE ORIGEM

Bélgica

### ESCALA DE APLICAÇÃO

Regional/ sub-nacional

### ANO DE INÍCIO E FIM

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## DADOS DE CONTACTO

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### PROPRIETÁRIO OU AUTOR

UNILIN Panels

### REPÓRTER

InnovaWood asbl

Uwe Kies

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

## REFERENCES AND RESOURCES

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### WEBSITE PRINCIPAL

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

### WEBSITE DO PROJETO

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

### REFERÊNCIA AO PROJETO

WoodCircus - Horizon 2020 no. 820892, 2018-2021

### RECURSOS

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LOGOTIPO DA BOA PRÁTICA

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LOGOTIPO DA ORGANIZAÇÃO PRINCIPAL

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PROJETO NO ÂMBITO DO QUAL A FOLHA DE DIVULGAÇÃO FOI CRIADA

Rosewood 4.0

DATA DE ENTRADA

24 Nov 2021

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

