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.

PODROBNOSTI

IZVOR LESA

Rušitvena dela

TIP LESA

Recikliran in odpadni les

VRSTA OBRAVNAVANEGA LESA

--

VPLIV NA OKOLJE IN BIODIVERZITETO

--

VPLIV NA PRIHODKE

--

POTENCIAL IZKORIŠČANJA

--

VOZLIŠČE

--

GOSPODARSKI VPLIV

--

POTREBNO SPECIFIČNO ZNANJE

--

POTENCIAL ZA MOBILIZACIJO

--

TRAJNOST - VREDNOST

--

ENOSTAVNOST IZVEDBE

--

ENOSTAVNOST IZVEDBE - OCENJEVANJE

--

KLJUČNI PREDPOGOJI

--

VRSTA DOGODKA, NA KATEREM JE BIL PREDSTAVLJEN TA BPI

--

VPLIV NA DELOVNA MESTA

--

STROŠKI IZVEDBE (EURO - €)

--

VEČ PODROBNOSTI

IZZIV

6. Napredek krožnega bio-gospodarstva na podlagi dodane vrednosti gozdnih proizvodov

DOMENA

Gozdno-lesna industrija, krožno gospodarstvo

TIP REŠITVE

Bio-osnovani izdelki

KLJUČNE BESEDE

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

DIGITALNE REŠITVE

Da

INOVACIJA

Da

IZVORNA DRŽAVA

Belgija

OBSEG UPORABE

Regionalni

ZAČETNO IN KONČNO LETO

--

KONTAKTN PODATKI

LASTNIK OZ. AVTOR

UNILIN Panels

www.unilinpanels.com

POROČEVALEC

InnovaWood asbl

Uwe Kies

uwe.kies@innovawood.eu

REFERENCES AND RESOURCES

SPLETNA STRAN

https://www.unilinpanels.com/en

SPLETNA STRAN PROJEKTA

www.woodcircus.eu

REFERENCA PROJEKTA

WoodCircus - Horizon 2020 no. 820892, 2018-2021

VIRI

--

LOGOTIP DOBRE PRAKSE

LOGOTIP GLAVNE ORGANIZACIJE

PROJEKT, V OKVIRU KATEREGA SO BILI ZBRANI OSNOVNI PODATKI

Rosewood 4.0

DATUM OBJAVE

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