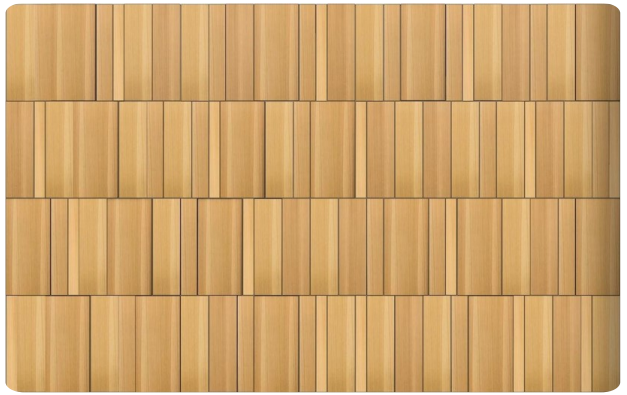
Innovative wood wall panels



Innovative wood wall panels as decorative details in rooms and/or structural elements of partition walls for sustainable construction

The purpose of the project is to develop a new technology for the production of wooden wall panels and partitions and load-bearing walls with a significant proportion of oak veneer and sawn oak elements. The goal of the project is to develop innovative wooden wall panels and innovative partitions and load-bearing walls for sustainable construction. The results of the research are an innovative modular wooden veneer wall covering and a wooden partition and load-bearing wall for the sustainable construction of residential and public buildings. The developed veneer wall panels will have the function of covering classic walls, but at the same time it will also be part of the developed modular partitions and load-bearing walls in the interior of wooden buildings. The developed innovative wall decorations will be made of oak veneer, and the load-bearing walls will have oak paneling in the interior and exterior, and represent a novelty for the macro-regional market, as well as the global market. The end result of the industrial research is the concept of finished wooden products for wall panels and green construction, which will be proven by the careful selection of materials and the continuous implementation of LCA analysis at the level of materials, assembly and finished product, as well as the careful creation of decor that allows the introduction of individual, ecological and healthy features of nature, and which increase the feeling of well-being among users of the interior.

MORE DETAILS

CHALLENGE ADDRESSED

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

DOMAIN

Research and development

TYPE OF SOLUTION

Circular, bio-based products

KEYWORDS

oak; massive; reinforced; stabilized

DIGITAL SOLUTION

No

INNOVATION

Yes

COUNTRY OF ORIGIN

Croatia

SCALE OF APPLICATION

Cross-border/multi-lateral (several countries)

START AND END YEAR

2020 -

CONTACT DATA

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REFERENCES AND RESOURCES

MAIN WEBSITE

https://spacva.eu

PROJECT WEBSITE

https://spacva.eu/eu-projects/new-eu-project

PROJECT REFERENCE

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RESOURCES

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LOGO OF BEST PRACTICE

LOGO OF MAIN ORGANIZATION

SPAČVA

PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood 4.0

POST DATE

24 Mar 2023

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

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Centro de Servicios y Promoción Forestal y de su Industria de Castilla y León