

New modular construction system based on panels fixed to each other and pieces of heavy wooden framework.



ROSEWOOD
4.0 Sustainable Wood
for Europe

The project aims to develop new models of prefabricated ultra-lightweight panels consisting of a combination of solid wood products, wood-based products and the use of thermal and acoustic insulation. The application of a tongue and groove system to assemble panels to each other and solid pieces of traditional heavy wooden framework, emulating a semi-heavy framework, will allow the development of a new innovative construction system aimed at modular construction, quick assembly and with enormous versatility and adaptation to different designs and types of construction.

Just started

The structural characterisation of the panels will be carried out by means of mechanical laboratory tests, as well as thermal, acoustic and watertightness characterisation by analytical means.

DETALJI

PODRIJETLO DRVA

Šuma

VRSTA DRVA

Deblo

POTENCIJAL ZA POVEĆANJE UPORABE DRVA

5-10 m³ / building

ODGOVARAJUĆA VRSTA DRVA

Sawn timber, glued laminated timber, wood-cement boards, particle boards,

OSB

JEDNOSTAVNOST PROVEDBE

Difficult

UTJECAJ NA OKOLIŠ I BIORAZNOLIKOST

Positive

JEDNOSTAVNOST PROVEDBE - EVALUACIJA

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UČINAK NA PRIHOD

Positive: decreased building time

KLJUČNI PREDUVJETI

Building quality lightly decreased

POTENCIJAL ISKORISTIVOSTI

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VRSTA DOGAĐAJA NA KOJEM JE PRIKAZAN OVAJ BPI

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SREDIŠTE

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UČINAK NA ZAPOŠLJIVOST

Positive: increased efficiency of materials

GOSPODARSKI UČINAK

Possibility of modular construction

TROŠKOVI PROVEDBE (EURO - €)

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POTREBNA POSEBNA ZNANJA

None

VIŠE DETALJA

IZAZOV	DOMENA	VRSTA RJEŠENJA
--	Drvna građevinska industrija	--
KLJUČNE RIJEČI	DIGITALNO RJEŠENJE	INOVACIJA
--	Ne	Da
ZEMLJA PODRIJETLA	PODRUČJE PRIMJENE	POČETAK I KRAJ GODINE
Španjolska	Nacionalna	2018 - 2020

**KONTAKT
PODATCI**

VLASNIK ILI AUTOR **IZVJESTITELJ**

amatex@amatex.es

**REFERENCES
AND RESOURCES**

GLAVNA WEB STRANICA	IZVORI
http://www.amatex.es	--
WEB STRANICA PROJEKTA	
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REFERENCA PROJEKTA	
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PROJEKT U OKVIRU KOJEG JE INFORMATIVNI LIST KREIRAN

Rosewood

DATUM UNOSA

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

