

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.

PODROBNOSTI

Pôvod dreva

Les

Druh dreva

Kmeňové drevo

Mobilizačný potenciál

5-10 m³ / building

Uvažovaný druh dreva

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

OSB

Uľahčenie implementácie

Difficult

Vplyv na životné prostredie a biodiverzitu

Positive

Uľahčenie implementácie - hodnotenie

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Dopad na príjmy

Positive: decreased building time

Kľúčové prepoklady

Building quality lightly decreased

Potenciál využitia

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Typ podujatia, na ktorom bol tento BPI prezentovaný

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Rozbočovač

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Dopad na zamestnanosť

Positive: increased efficiency of materials

Ekonomický vplyv

Possibility of modular construction

Náklady na implementáciu (Euro - €)

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Potreba špecifických znalostí

None

VIAC INFORMÁCIÍ

RIEŠENá VÝZVA

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KľúčOVé SLOVá

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KRAJINA PÔVODU

Španielsko

DOMAIN

Odvetvie drevených konštrukcií

TYP RIEŠENIA

--

DIGITALNE RIEŠENIE

Áno

Nie

ROZSAH APLIKÁCIE

INOVÁCIE

Národný

ZAČIATOK A KONIEC ROKA

2018 - 2020

**KONTAKTNé
úDAJE**

VLASTNÍK ALEBO AUTOR

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REPORTér

**REFERENCES
AND RESOURCES**

HLAVNá WEBSTRÁNKA

<http://www.amatex.es>

ZDROJE

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PROJEKTOVá WEBSTRÁNKA

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REFERENCIA PROJEKTU

PROJEKT, V RÁMCI KTÓREHO BOL TENTO INFORMAČNÝ PREHĽAD VYTVORENÝ

Rosewood

DÁTUM ODOSLANIA

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY



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