



THERMAL and ACOUSTIC INSULATING MATERIAL from FINISHED LEATHER WASTE

www.taimee-project.eu

TAIMEE project started on September 2012. The project has a duration of 30 months and 1.251.332€ of budget with a 50% of European Commission Contribution. TAIMEE offers a new solution for introducing new recycled materials for the production of building eco-products.

The TAIMEE project is co-financed by the Eco-Innovation programme as a part of the Executive Agency for Competitiveness and Innovation (EACI) under delegation from the European Commission. The Eco-Innovation programme supports innovative solutions protecting the environment, supporting market replication projects of products, processes or eco-innovative practices, already technically proven, but needing incentives to have success in the market.

Contents

1. Technical Evolution

Towards a potential application as
ROAD ACOUSTIC FENCE

Project progress

2. Communication activities

- ✓ self-supporting panels
- ✓ modular design
- ✓ easy to assemble and disassemble
- ✓ product 100% recycled
- ✓ product 100% reusable

Project progress

Industrial production of TAIMEE products

During the last year of project life, the industrial process has been optimised (waste characteristics, binder formulation, industrial production,...) and the technology (hot plates) has been adapted to the use of the shredded waste leather mixed with the binder to produce a set of prototypes with different thickness, densities and surface finishes.

The obtained prototypes (TAIMEE panels) have been tested in order to fulfil all of the technical requirements for road acoustic fences (mechanical behaviour, fire, wind test, etc.). Good results have been obtained.



TECHNICAL EVOLUTION

Towards a potential application as ROAD ACOUSTIC FENCE

TAIMEE project has being working on developing an acoustic panel for the building sector.

TAIMEE panels of 2x1x0,07 m will be finally used in the construction of **innovative, modular, competitive and eco-friendly road acoustic fences**.

Product advantages:

- ✓ An **innovative, reusable and recycled product**. The use of recycled materials and natural polymers enhances its environmental value compared with other acoustic fences (concrete, metal, wood, methacrylate...).
- ✓ An **acoustic insulating panel** due to the fibrous structure of the leather material
- ✓ A very **appealing final product** thanks to the different leather waste colors .

Panel produced at industrial scale



COMMUNICATION ACTIVITIES

-TAIMEE FINAL EVENT-WORKSHOP 16th July at Centre Innovació Anoia in Vilanova del Camí – Catalonia - Spain

TAIMEE Consortium

