



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.

Jointing building sector and leather industry

If one asks if it is possible to join building sector and leather industry, one could answer it could be a joke. And if the question specifies that leather could make buildings get more environmental friendly, the question is even more difficult to be answered. However, TAIMEE project can answer YES!!!

It is well known that leather industry generates high amount of solid waste. However, leather material has sound absorption and thermal insulation properties, which still remains in leather waste. Thus, TAIMEE project is a good option to take advantage of these intrinsic properties to produce an innovative leather composite material, in particular, an insulation panel, for immediate application in building sector. At the same time, TAIMEE technology recovers and valorizes leather waste to reincorporate it in the productive cycle.

Towards environmental friendly building materials from leather waste

Building sectors involve more than 40% of European CO₂ emissions. Implementation of proper insulation in all buildings will contribute to Kyoto Protocol.

What will TAIMEE offer to reduce building's environmental impact?

TAIMEE will offer a new solution for introducing new recycled materials by recycling methods in the production of building products. TAIMEE Technology is focused on treating leather waste to obtain an optimal composite material with optimal insulation properties. TAIMEE industrial process could treat approximately 300 TN of leather waste per year. At the same time, Eco-binders used as agglomerant ensures a completely ecological final product. The use of 1Kg of ecofriendly binder represents a reduction of 2-2,6Kg CO₂ emissions.

What is TAIMEE project doing?

Project progress and achieved results

TAIMEE project is structured in six work packages which include since the development of the initial production of the insulation leather material, the definition of the leather waste supply chain, the industrial optimization of the agglomerate agent, to the scaling up to full production of insulation panels taking into account the replication potential in different construction applications.

During the first months of the project, supply chain for leather waste has been identified, selected leather waste has been characterized and the eco-binder is being selected.

Communication and Dissemination activities

- TAIMEE presentation on **The 3rd sustainable Building Forum of the Competitiveness Clusters**, in Bordeaux (France) – NOBATEK (7th and 8th February 2013)
- Dissemination of TAIMEE project -Seminar about **Communication and environmental improvement of building products based on LCA**- ASCAMM (Trespa Design Center, Barcelona 06th March 2013)
- Kick off meeting at LEITAT (18th October 2012)
- 1st Progress meeting at LEITAT (15th March 2013)



TAIMEE Consortium

