

IMPROVED ISOLATION MATERIAL FOR ECO-BUILDING BASED ON NATURAL WOOL

CIP Eco-innovation - First Application and market replication projects - Call 2013 Call Identifier: CIP-EIP-Eco-Innovation-2013 Duration: 30 months



Co-funded by the Eco-innovation Initiative of the European Union



SPECIFIC

comfort in the buildings.

depending on conditions.

line for companies in this sector.

glass and rock.

OBJECTIVES

To increase the thermal and acoustics isolation properties

of panels, optimizing the energy efficiency and the level of

To improve the *hygrometric performance* of panels, being

able to absorb up to 33% moisture and help to maintain

To optimize other additional features as *insect and fire* 

lightness, durability, good handling and recyclability.

To develop a product with *low environmental impact*, able

to replace materials based on non-renewable raw materials

processes, as polymeric materials, and inorganic wools of

material from tannery companies, opening a *new business* 

resistance, mechanical resistance, adaptability and

and/or obtained through poor energetic efficiency

To give a high *added value* to by-products and waste

comfort conditions, adding or removing humidity

The main objective of WOOL4BUILD is to develop a sustainable product for buildings isolation based on the wastes and by-products of hair and wool produced in the tannery industry, with improved performance in the acoustic and thermal isolation and able to optimize energy efficiency and indoor air quality.

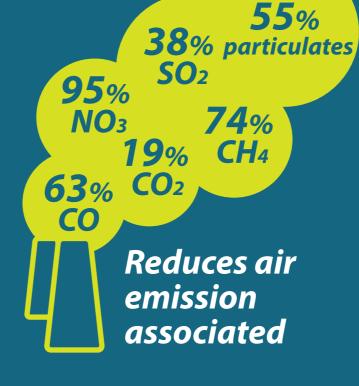




Reduces energy demand and water demand







Improves the performance in thermal and acoustic insulation and humidity level in building





Reduces 30% price in respect of current natural product

Uses a natural material, harmless to human health





Co-ordinator:



Co-beneficiaries:







