



PCAS LEADS THE EUROPEAN UNION HORIZON 2020 HOMESKIN PROJECT

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PCAS, Enersens, the PCAS group subsidiary specialized in aerogel materials industrial manufacturing, and its partners are proud to announce that the European Commission has recently approved the start of the Homeskin project.

With a global budget of €6,291,529, the project will receive funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N°636709, for a maximum amount of €4,517,567.

The project aims at accelerating the upscale of a new class of aerogel based super insulant materials, featuring the lowest thermal conductivity of all existing insulation materials. Homeskin will develop wall, roof, internal and external insulation systems and will enable further enhancements of the manufacturing technologies of such materials.

The Homeskin project shall also bring key contributions to the very high performance insulation standards and policies.

"The Homeskin project is led by specialized and motivated partners ranging from renowned universities to insulation systems specialists. It uniquely fits into the Enersens roadmap and the European Union Key Enabling Technologies. It will significantly contribute to speed-up the development of an active super-insulation European industry", explained Pierre-André Marchal - Homeskin project Coordinator and Executive Director of Enersens.

"The selection by the European Commission of this Homeskin project driven by the PCAS Group reassert that the group strategy to focus on sustainable development is relevant and that its open innovation policy is effective and valued by its private and public partners ", said Vincent Touraille - CEO of PCAS.

List of partners

- Produits Chimiques Auxiliaires et de Synthèse (PCAS – France, company)
- Universität Stuttgart (USTUTT – Germany, public organization)
- Institut de Tecnologia de la Construcció de Catalunya (ITEC – Spain, public organization)
- Association pour la Recherche et le développement des méthodes et Processus industriels (ARMINES – France, public organization)
- Trocellen (Italy, company)
- ParexGroup Morteros (Spain, company)
- Flag/Soprema (Italy, company)

- Commissariat à l'Energie Atomique et aux Energies Alternatives (CEA - France, public organization)
- Sorane (Switzerland, company)
- Kurt Salmon (Luxembourg, company)

Expected benefits of the project

Homeskin will help put on the market within a few years a breakthrough technology that will present the following benefits:

- Reduction by at least 30% of the embodied energy and CO₂ at component level;
- Improvement by at least 20% of insulation properties;
- Reduction by at least 15% of the total costs, compared to existing solutions;
- Demonstration of at least a 5% reduction of the energy spent during the whole life cycle of a building.

As such, the project should have a major environmental and economic impact in the building domain. More information will be available in the coming months via a dedicated website.

About Enersens

Enersens, a subsidiary of PCAS, manufactures in Bourgoin-Jallieu (France, south of Lyon) aerogel beads, panels and blankets based on its own patented production technologies. Enersens aims to become a key contributor to energy transition by becoming a leading manufacturer of high performance thermal insulation materials.

About PCAS

Founded in 1962, PCAS is an international fine and specialty chemicals group (165 million € net sales in 2013) that shares an ambition for excellence with its customers, which primarily include market-leading international groups. PCAS designs and delivers the best industrial solutions for its customers' specific expectations. These various expectations all share a common demand for safety, quality, competitiveness, innovation and sustainability. PCAS also develops ranges of proprietary products based on intellectual property.

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