WORKSHOP PROGRAM

8:30 - 9:00 Registration

I. Overview of projects

9:00 - 10:00

HOMESKIN: Developing aerogel-based composite insulation systems

INNOVIP: Improving the thermal performance of VIP over the entire lifetime

GELCLAD: Highly efficient cladding eco-panels with improved nano-insulation properties

WALL-ACE: Developing innovative aerogel-based exterior and interior insulation products

EENSULATE: Development of innovative lightweight, highly energy efficient cost-effective curtain components for wall facades.

II. Specific topic discussions

10:00 - 10:55 **Technical performance for certification (thermal resistance, fire safety, moisture, acoustic, etc.)**

Brief presentations :

- HOMESKIN (5 min)
- INNOVIP (5 min)
- GELCLAD (5 min)
- Wall-ACE (5 min)
- EEnsulate (5 min)

Round-table discussion on Technical performance for certification (30 min)

10:55 - 11:10 **Break**

11:10 - 12:05 **Go-to-market barriers**

Brief presentations :

- HOMESKIN (5 min)
- INNOVIP (5 min)
- GELCLAD (5 min)
- Wall-ACE (5 min)
- EEnsulate (5 min)

Round-table discussion on Go-to-market barriers (30 min)

12:05 - 12:30 **General Round table discussion (conclusions, wrap up)**

DATE: JANUARY 23RD 2018, BRUSSELS

PLACE: Thon Hotel Brussels City Centre
Avenue du Boulevard 17, B-1210 Brussels
Belgium

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REGISTRATION : https://goo.gl/forms/dDo2oY7jGWknhnsn1

WORKSHOP

ON NOVEL ENERGY EFFICIENT ENVELOPES - H2020 EU PROJECTS

PROJECT DESCRIPTION

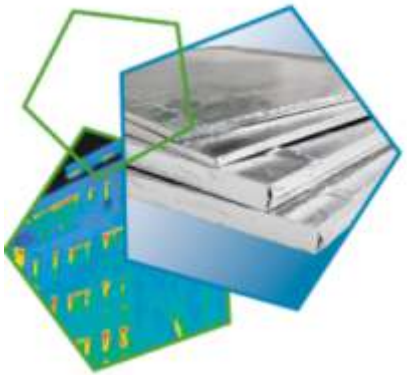
Super-insulating materials, such as silica aerogels and vacuum insulation, are promising materials to be used in the building envelopes. Thermal insulation remains one of the most efficient ways to reduce the energy consumption in the building sector. In cities, the thickness of the applied thermal insulation becomes a major issue of concern for new construction as well as for retrofit purposes. Recently, there is a growing interest in super-insulating materials, namely Aerogels and Vacuum insulation.

In the framework of the European research program Horizon 2020, several projects aim at developing and introducing to the European market novel insulation systems based on super-insulating materials. This workshop presents an overview of all these projects, with the significant results. In addition, go-to-market barriers will be discussed and analyzed. The workshop will be composed of key-note presentations as well as a round table for further discussions.

The Scope of the workshop is to create the opportunity to exchange around the latest development and progress in the (super-)insulated energy efficient envelopes.

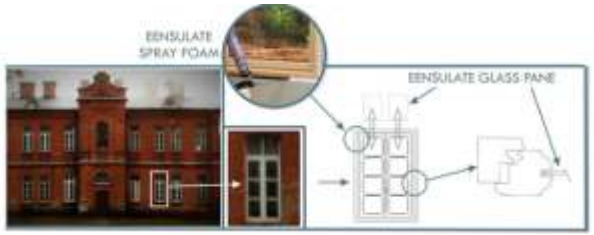
INNOVIP

INNOVIP Consortium reinvents the top-of-the-line insulating material vacuum-insulation-panels (VIP) by improving their thermal performance over the entire lifetime by at least 25% and making VIPs adjustable, mountable and machineable.



EENSULATE

Development of innovative lightweight and highly insulating energy efficient components and associated enabling materials for cost-effective retrofitting and new construction of curtain wall facades.
http://www.eensulate.eu/



AC3

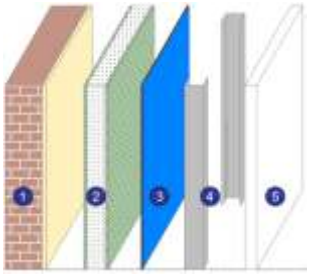
Wall-ACE develops a consistent package of new advanced sustainable insulation products and systems. The HONEST (High performance Optimized Nanomaterial Energy efficient SysTem) package is a "modular toolbox system" providing a set of complementary solutions that will address most of the complex challenges raised by thermal renovation as well as new construction.

GELCLAD

The GELCLAD project aims at creating a novel cost-effective, durable, industrialised and easy to install composite insulation cladding system, based on a single structured panel with excellent insulation properties.

HOME Skin
Thinner Insulation Systems

The Advanced Aerogel-Based Composite (AABC) materials are a unique new class of materials. The HOMESKIN project aims at developing a new silica Advanced Aerogel-Based Composite material possessing the lowest thermal conductivity of all insulation materials found in the market.



1) Existing wall with plaster
2) PJ HOMESKIN PANEL
   Thickness: 26-60 mm
3) ISOLMASS 4
   Optional layer (2 mm)
4) Metallic profiles
   Thickness: 27-50 mm
5) Finishing layer: Gypsum fiberboard or plasterboard
   Thickness: 12,5-25 mm