

FoAM-BUILD



Project Duration: 1st September 2013 – 31st August 2017

Grant Agreement No: 609200



THE AIM



The aim of the FoAM-BUILD project is to:

- Develop new, lightweight and highly insulated nano-cellular foams, with a 50% reduction in thermal conductivity compared to conventional insulation elements
- Develop non-halogenated nano-based flame retardants with Flame retardancy equal to state-of-the-art brominated flame retardants
- Develop sustainable protection against algae/fungi growth on façade surface consisting of an intelligent sensor network and a ventilation system



OBJECTIVES



- To achieve energy savings of 192,000 kWh to 288,000 kWh over a façade lifetime of 30 years
- Extend the service life of the façade surface from 5 years to 20 years for a north façade in central Europe using the new biofilm protection system
- Elimination of persistent, bio-accumulative and toxic (PBT) materials in the insulation system



THE CONSORTIUM



GENERAL INFORMATION



Number of partners	10
Number of EFTA Member States	1*
Number of EU Member States	8**
Duration	4 years
EU Contribution	€3.52 million

* Norway

** Germany, UK, Netherlands, Austria, Greece, Spain and France

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<http://www.foambuild.eu>



EXPECTED BENEFITS



- Excellent lightweight potential
- Low thermal conductivity
- High resistance to algae and fungi
- No release of harmful substances to the environment
- Cost-efficient materials and production and energy-effective processes
- No manual post-processing
- Processes already introduced to markets
- Recyclability



HOW TO GET INVOLVED



Become a member of our Industrial Reference Group and benefit from the following:

- Opportunity to interact with partners across Europe
- Receive invitations to annual meetings and learn more about the research and development achievements within the project
- Express both yours and the target industry's needs to help focus the demonstration and exploitation activities within the project
- Receive funding for travel and subsistence

(For more information on the Industrial Reference Group or if you would like to become a member, please contact Christoph Mack at Christoph.Mack@ict.fraunhofer.de)

Register on the project website:

- Register at www.foambuild.eu to keep up to date with project news and receive information on upcoming events



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