



Project Information Sheet

Fiber composite

Programme area:	Bio-based products, Introduction of a biofiber composite to the European funeral market
Coordinator:	Mårten Hellberg OrganoClick AB, Sweden E-mail: marten.hellberg@organoclick.com Tel: +46 8 684 00 80
Partners:	Nyarp AB, Sweden
Website:	www.organoclick.com
Benefits (max. 150 characters incl. space):	The project has market launch an eco-coffin, reducing raw material consumption with 66 % and removing toxic chemicals such as formaldehyde emitting glue from the coffin.
Keywords:	Fiber, Coffin, Recycling
Sector:	Green Business
Type of solution	Product and process
Duration:	01/09/2012 – 28/02/2015
Budget:	€ 1.625.181 (EU contribution: 49,36%)
Contract number:	ECO/11/304345

Summary

Funerals are an essential part of any family's life. In Western tradition, burial coffins are almost always used during the ceremony. The most commonly used material for burial coffins is particle boards. While being a low-cost material, it is heavy and contains a big amount of formaldehyde-based resins which are toxic. This project has initiated production and marketing of a new eco-coffin for the European funeral industry.

The coffin is made of a new biofiber-composite completely free from formaldehyde. While keeping the same strength as traditional coffins, it also reduces raw material consumption with 66%. The material has been developed by OrganoClick AB, a spin-off company from Stockholm University and the Swedish University of Agricultural Sciences that works with development of new advanced fiber-based materials.

During the project, a first production unit has been set up by OrganoClick in Sweden. Together with the project partner Nyarp AB, the leading manufacturer of burial coffins in Scandinavia, the eco-coffins has been market launched in Sweden, Denmark and Norway, and will thereafter be launched in the rest of Europe.

Expected and/or achieved results

- Reduction of raw material (wood fibers) from 36 to 12 kg for each coffin
- Removing all formaldehyde based resins from the coffins
- Reducing CO₂-emissions of more than 3 000 tonnes/year from transportation due to lower weight
- Expected uptake of 15.000 coffins/year two years after the project and 100.000 coffins/year in the next ten year period
- Total European market size of ~4.600.000 coffins/year

The information sheet will be published in the [Eco-Innovation website](#). The EACI reserves the right to edit the information sheet for content and length