



Launch of burial coffin Saga – the world's largest, 100 % biobased, 3D-moulded biocomposite made of wheat bran and biofibers

OrganoClick has, by using its innovative fiber modification technology and production process, developed a 100 % bio-based, recyclable and fully biodegradable biocomposite material, OrganoComp®. The biocomposite is made of 3D-moulded biofibers, wheat bran, and food waste. Today, Fredahl Rydén, the Nordics largest supplier of funeral products are launching the burial coffin Saga made of OrganoComp®. The strength of the biocomposite enables a 50 % reduction of raw material, reducing the weight from 40 to 20 kg compared with a traditional coffin.



The launch of the burial coffin Saga marks the next step in a journey that started 10 years ago when the development of OrganoComp® was initiated. By using OrganoClick's patented technology for modification of biofibers, a unique biocomposite has been developed, based on modified cellulose fibers, wheat bran, and biopolymers from food waste such as orange peels and shrimp shells. With OrganoClick's fiber modification technology, properties such as fire resistance, strength and water repellency can also be added to the material. The biocomposite can be used to replace hard plastics such as polypropylene, or particle boards which contains large amounts of synthetic glue.

In order to make large objects such as coffins, a new production technology for 3D-moulding of large fiber-based products, has also been developed, inspired by the production process for moulded pulp, used for e.g. packaging. This has resulted in a highly automated production of large, complex, 3D-shaped products. The coffin Saga is with this technology, produced in only two pieces (lid and bottom), before being assembled to a final coffin.

OrganoComp® has now been implemented in two industrial applications. In addition to the burial coffin Saga, a sound absorbing acoustic panel has been launched by Baux, a leading supplier of acoustic products. New applications in the pipeline include a risk waste container used in hospitals, where OrganoComp® is replacing polypropylene. Other future applications of OrganoComp® include furniture, interior design and specialty packages.

- *OrganoClick's biocomposites are based on research within biomimicry from Stockholm University and the Swedish University of Agricultural Sciences. By mimicking nature's own chemistry, and combine this with our unique fiber moulding technology, we have developed strong and durable materials which can be used in such demanding products as burial coffins with high requirements on quality and surface smoothness, says Märten Hellberg, CEO and co-founder of OrganoClick.*

Serial production will now start of the burial coffin Saga and the acoustic panel in OrganoClick's factory north of Stockholm. The first production line has a capacity of producing 50,000 burial coffins / year.

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About OrganoClick

OrganoClick AB (publ) is a public Swedish cleantech company listed on Nasdaq First North. The company develops, produces and markets functional materials based on environmentally friendly fiber chemistry. Examples of products that are marketed by OrganoClick are the durable water repellent technology for textiles OrganoTex®, the biocomposite material OrganoComp®, surface treatment and maintenance products for villa and property owners under the brand BLOkleen®, biobased binder under the trade name OC-BioBinder™ and the flame and rot-resistant timber OrganoWood® (through the joint-venture OrganoWood AB). OrganoClick was founded in 2006 as a commercial spin-off company based on research performed at Stockholm University and the Swedish University of Agricultural Sciences within environmentally friendly fiber chemistry. OrganoClick has won a number of prizes, such as "Sweden's Most Promising Start -up" and "Sweden's Best Environmental Innovation", and has also received a number of awards, such as the WWF "Climate Solver" award, listed as a SUSTAINIA100 company and has also appeared for two years on the Affärsvärldens and NyTekniks list of Sweden's top 33 hottest technology companies. OrganoClick has its head office, production and R&D located in Täby, north of Stockholm. OrganoClick's Certified Adviser on Nasdaq First North is Erik Penser Bank, phone: +46 (0)8 463 83 00, email: certifiedadviser@erikpenser.se.

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