

ABSORBEX® ECO

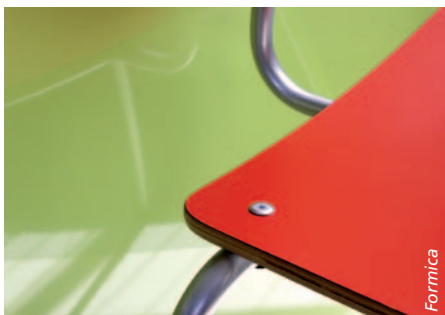


Natural Choice.

The fibres in Absorbex® products are generated as by-products in other forest industry processes, such as sawmilling. Therefore, their use in Absorbex® simultaneously gives additional value to fibres and prolongs their lifecycle. The main raw material, sawdust, comes from Kotkamills' own sawmill as well as from external sawmills within short distances. Kotkamills' sulphate pulp production uses only sawdust as the raw material, therefore no additional harvesting is carried out due to Absorbex® production.

Securing the future

Kotkamills continuously aims to minimise the company's impact on the environment and to offer ecological and sustainable solutions to its customers. Absorbex® Eco is a response to the growing need for quality-competitive ecological solutions. Consisting of sawdust pulp and carefully selected recycled fibre (RCF), Absorbex® Eco provides the customer with both excellent quality and a high respect for nature.





SAWDUST



RECYCLED FIBRE



ABSORBEX® ECO

High-quality demand

Absorbex® Eco has been developed with no compromise in quality. More than two years of development experience on a production scale, using different fibre selections and production methods, formed the basis for Kotkamills' new recycling plant which opened 1 April 2011. The RCF used in the process is precisely defined and the state-of-the-art process specifically defined for end use in Absorbex®. RCF replaces a minimum of 20% of the chemical pulp in Absorbex® Eco grades. The remainder of the pulp, produced from virgin fibres and based on environmentally friendly sawdust, ensures good formation and strength properties, as well as a consistently superior quality. The on-site recycling plant enables stringent quality control throughout the production chain, from fibre to paper.

Recovered fibre plant

The new recycled fibre plant is an extension to the sorting and fibre handling equipment installed in 2010, still used for the sorting and cleaning of recovered fibre. The technology chosen for the RCF processing line forms a well-designed compact line with a smart layout that allows the feeding of recovered paper bales, pulping, sorting and removal of reject fractions and wash pressing to be located

in a fairly small space. The solution, largely based on Kotkamills' personnel's long experience and competence in fibre handling, is unique in the world.

Tailoring

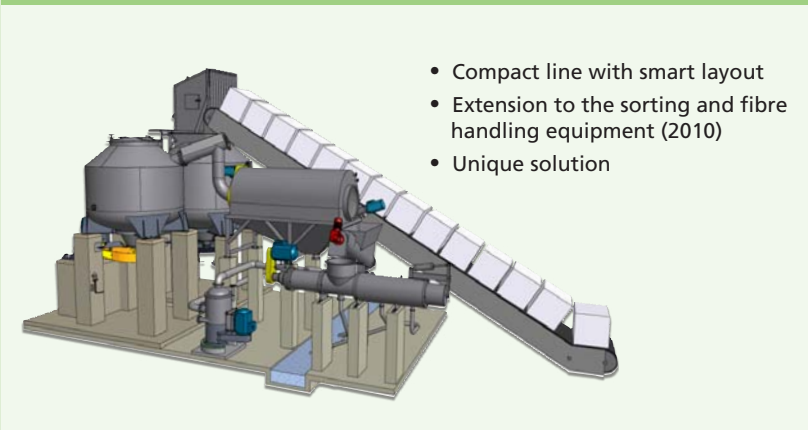
As always, Kotkamills' personnel work together with customers to define the most suitable quality for the customer's process. Absorbex® Eco and Absorbex® Performer Eco can be tailored to customer's specific demands.

Environmental measures

Kotkamills supports sustainable forest management and uses Chain-of-Custody tracing systems for the wood raw materials used. Due to the nature of forest ownership, most of the Finnish, mainly privately owned, forests are certified according to PEFC. The coverage of certified forests in Finland is one of the highest in the world. The availability of FSC-certified fibres is, however, limited. Absorbex® Eco includes FSC-reclaimed material, which can be of use in a product's environmental assessment. The post-consumer share of the FSC-reclaimed fibres gives Kotkamills the possibility to sell a part of the production as FSC-Mixed certified.

According to current knowledge, Absorbex® Eco reduces emissions to water, air and soil during paper and pulp production.

> RCF PROCESSING LINE



- Compact line with smart layout
- Extension to the sorting and fibre handling equipment (2010)
- Unique solution

