

General information

Paul & Co actively supports the protection of the environment. We unreservedly endorse the economical use of natural resources and always try, as far as it is technically possible, to affect the environment as little as possible with exhaust fumes, noise, consumption of resources, water polluting materials and chemicals - amongst others documented in our certificates according to ISO 14001:2015.

Raw materials of paper cores and angular edge protectors

Production of cores and angular edge protectors is a special industry within paper processing. The predominant raw material, paper and board, primarily is a sustainable raw material that is used in recycled form as waste paper (secondary raw material). Standard adhesives are sodium silicate, PVA adhesives and starch glue. Sodium silicate is found in nature as a component of quartz sand. Sodium silicate is obtained by melting of quartz sand. PVA is an adhesive that is widely used in paper processing and presents no potential hazard at all. Also adhesives based on starch (Dextrins) are in use, an adhesive on the basis of sustainable raw materials.

Products

Our cores and angular edge protector products are environmentally friendly for two reasons as, for the most part, they are exclusively produced from recycled paper and become recycled material again after their use. Different independent institutes have confirmed several times that used cores and angular edge protector products are recyclable without restriction. Shredded, single variety waste cores are good quality raw material for waste paper processing paper mills. In almost all European regions there are suitable shredder installations which allow for recycling. With the according composition, cores and angular edge protectors fulfil the requirements of the food law. They can also be disposed of thermally or composted without pollution of the environment.

Workplaces

Workplaces in our production of cores and angular edge protectors are, with a few exceptions, free of disturbances such as noise, influence of chemicals, dust and heat. The activities are in every respect clean and friendly to the environment. Where necessary, extraction installations ensure dust-free work areas. In the past, we have many times voluntarily subjected our processes to testing for harmful industrial toxins, during which no irregularities ever occurred. Safety precautions in the production halls, all other buildings and on the entire factory premises protect employees and are constantly being optimised. All plants work according to in-house hygiene regulations, several plants are certified according to BRC Packaging Standard or ISO 22000.

Energy

Electrical energy is taken from the public power supply network. Thermal heating and process heat is currently obtained from natural gas. Continuous investment has been made in effective heating systems. By changing from steam to hot water energy the efficiency has been considerably improved, and by introducing an energy management system according to DIN ISO 50001 in 2015, additional savings potentials have been and will be systematically developed.

Logistics – internal and external

Cores are mainly bulky and voluminous products. Therefore, correct logistics play an important role in our company. Optimal use of space on the trucks is part of our daily work. Our plants are conveniently situated in terms of easy access to motorways and freeways. This was a relevant aspect for our choice of location for subsidiary plants. We are constantly working on optimising all logistics processes in detail and maintaining them at the highest quality level for the benefit of our customers and the environment. Today, the challenges in the field of industrial transportation are immense; together with partners and customers we put intelligent solutions into practice. We have essentially designed our internal merchandise management to keep transport routes as short as possible in order to achieve fast lead times and save resources. We manage to do so by means of state-of-the-art technology and the considered use of environmentally friendly vehicles.

Production waste and packaging

The inevitable production waste is a high-quality raw material with paper mills. Shredded and pressed into bales, our waste paper is reused as a very clean raw material in our two core board mills and becomes the starting point of a new cycle.

By means of internal programmes and various optimisations we are constantly trying to reduce as much as possible the rejects that inevitably occur when starting up the production equipment as well as during cutting processes. We have installed appropriate control systems for this purpose.

Packaging for our cores and angular edge protector products must first and foremost protect the goods and enable trouble-free use at our customers'. At the same time, we limit the materials used to the absolutely necessary extent and develop - also together with our customers - optimised and suitable solutions.

Work safety, fire protection and suggestions for improvements

Personnel specifically responsible for safety, an internal suggestion scheme that has been tried and tested for years, and our own plant fire brigade are the pillars of comprehensive occupational safety. Our trained specialist in hygiene matters ensures that our products meet the expectations of hygiene restrictions, particularly in the food and medical section. Permanent internal and external training of our employees with regard to security, environment and hygiene ensures that the level of knowledge is distributed to all employees and kept up-to-date.

Established in 1973, our Wildflecken plant fire brigade fulfils important tasks in preventive fire protection with great success, so that we as a paper processing company have not been hit by any significant fire so far. An assigned security company also provides for comprehensive security by means of inspection tours.

At our site in Wildflecken, an occupational health physician is at the employees' disposal with advice and support.

Significant ...

Paper cores and angular edge protectors are extremely environmentally friendly products that are manufactured almost exclusively from recycled paper and can be recycled again without any problems after their life cycle - in an ideal cycle.

Revision 2023