

## User report

### Constant temperatures for flawless packaging

Constantia Teich GmbH installs insulated Efaflex high-speed doors in temperature chambers.

**The requirements for industrial doors vary greatly from project to project. In times of rising global energy prices, many businesses are placing more and more importance on highly thermally insulated production hall doors. Constantia Teich GmbH, in the Austrian town of Weinburg, has installed five Efaflex high-speed doors with extremely high thermal insulation levels for a very particular purpose.**

"The doors seal our temperature chambers", Alexander Kocevar explains. He is the Head of Technical Sales and Category Manager at the plant. Constantia Teich GmbH is a leading international supplier of flexible packaging materials. They produce high-quality products for the dairy, confectionery, food and animal feed industries using basic raw materials of aluminium, paper and plastic, and deliver these worldwide. "Aluminium, which we process in two separate rolling mills, is often covered with a second material such as paper or plastic before further processing by our clients", Alexander Kocevar describes part of the production process. "To this end, the materials are bound together using wax or glue. These materials need to harden before further processing. In order for this to happen, the finished rolls go into large temperature chambers in which they need to cure at 60° Celsius for five days."

The EFAFLEX doors are used to seal these temperature chambers. "We use these extremely well insulated doors to limit our energy loss; the heat therefore stays in the chambers, we don't want to heat the entire hall after all." Constantia Teich AG cannot afford a failure of the doors. Heat treatment times would increase substantially, resulting in production losses or complaints concerning further processing. The door blades fitted to the heat chambers are rolled up in a contact-free spiral. The primary concern is not maintaining a flawless surface on the door, but rather the space-saving housing of the door leaf. "We originally wanted to fit the doors under the roof. That didn't work in the interior of the chambers because of the heat loss. The sprinklers are mounted in the outdoor area under the buildings roof, and these also cannot be covered by the doors." EFAFLEX had been very flexible in this area, with planning and guidance for this project. A second important requirement for all eleven high-speed doors had been the increased wind class. Alexander Kocevar explains this: "We produce items almost exclusively for clients for whom, as in the food industry, achieving significant hygiene standards are essential. Our new production hall will therefore operate under positive pressure. This means that more air will be introduced into the hall than is extracted. As a result, particles will always be carried out of the building rather than in, when the doors are opened. However, positive pressure also means that the high-speed doors installed to seal the building are constantly exposed to the same positive pressure.

The new Constantia Teich AG production hall will be used, along with the existing production buildings and rolling mill 2, for base finishing materials to a width of 1800 mm. The new building has a floor area of 4,500 square metres. An automatic material crane used to deliver foils from the rolling mill 2 and an internal driverless transport system takes care of the logistics flow. Founded in 1912 by the Teich brothers, Constantia Teich GmbH currently employs around 800 members of staff at its Weinburg location, approximately 60 kilometres west

of Vienna. The company is part of the Constantia Flexibles Group GmbH, which employs more than 8,000 members of staff in over 50 Group companies across more than 20 countries. Continuous training and employee welfare are at the heart of company policy. Innovation of its products is the key to success for Constantia Teich GmbH and, at the same time, is a guideline for its partners and suppliers.

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