

## User report

### Hermetic door for new cold storage facility

The company August Jaeger Nachf. GmbH & Co. KG has decided to use high-speed doors from EFAFLEX to equip of its storage areas.

**In September 2013, the company August Jaeger Nachf. GmbH & Co. KG in Engelskirchen officially opened its new cold storage area. In doing so, the company tripled its overall storage space to 8,000 sq.m. To be able to operate the new storage facility on an energy efficient basis, the planners behind the new building decided to install the new generation of cold storage doors from the door specialists EFAFLEX.**

"The Efaflex products were recommended to us by our construction manager. We needed doors which can open and close very quickly, which are also strong because our storage facility is highly frequented," explained Markus Vigener. Mr Vigener is responsible for managing the storage facility. "EFAFLEX was our first choice."

The ingenious new design of the EFA-SST-TK-100 follows the trend towards products and operational equipment which have a positive impact on companies' energy balances. The new high speed door is highly durable which means it can also be used efficiently on a "cycle" basis in cold storage facilities with frequent storage and removal processes. A dynamic door blade and AFM spiral track (Active Framework Mechanism) make sure that the door blade remains mechanically sealed against a seal around the door frame when it is closed, and thereby provides a hermetic seal of the cold storage areas. Unlike other designs, the door blade support is mounted in a spiral mechanism on the external side - i.e the warm side of the door. Contact surface heaters are used directly in the section which is exposed to the cold air, which are fitted in the sealing strips

around the frame, each individual lath seal and the contact bar strip in order to keep the contact surfaces with the door blade, the floor and the individual laths of the door blade free from ice. With a heat transfer coefficient of  $0.62/m^2K$  and dimensions of up to 4000 x 4500 mm, Efaflex offer an extremely air-tight and well-insulated, low-energy cold storage door solution.

In addition to other factors, the excellent insulation of the EFA-SST-TK-100 featuring EFA-AFM is achieved due to the use of 100 mm-thick, thermally separated and insulated EFA-THERM laths. The laths are fixed individually to the strap hinges, ensuring legendary reliability, unrivalled lifespan and a superb level of functionality, which is also maintained due to the quick and easy replacement of the laths.

A total of nine high speed doors from EFAFLEX are now in reliable service at the wholesale foods company. The door to the dairy products area, for example, completes between 300 and 500 opening cycles per day. With the exception of the delivery zone, all of the other doors seal cold storage areas at  $-24^{\circ}C$  and cold zones at  $5^{\circ}C$ . "They have now been running for several years without any problems, and we are very happy with them," explains Markus Vigener. He also has praise for the EFAFLEX customer service team: "The maintenance has been very straightforward, paperwork is kept to the minimum, with maintenance reports sent to me a little later by email. It is very advanced."

The new cold storage facility had to be built for capacity reasons, explains Mr Vigener. The company August Jaeger Nachf. GmbH & Co. KG operates two HIT markets as franchise projects. The company also operates seven petrol stations. "The new Jaeger petrol stations are also home to big shops. We therefore had no choice but to expand."

The company is now being managed by the fourth generation of the Pilatzki family. Hendrik Pilatzki, the most recent successor manages the company's business and its 400 employees together with his father. The wholesaler aligns its range of products optimally for its different customer groups. Regardless of whether it is gastronomy, catering or the social care sector: every customer is

excellently equipped for their business with the range of 15,000 different products which are available at August Jaeger Nachf. GmbH & Co. KG.

The cash & carry wholesale market at the company's headquarters in Engelskirchen-Ründeroth has an additional service offering which is aligned to the requirements of the gastronomy and hotels sector. In addition to its personal assistance in a friendly atmosphere, Jaeger also offers everything to ensure an efficient supply of goods to the company's target groups.

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