

## User report

### "Excellent design and technology"

Frerichs Glas GmbH uses Efaflex doors for their state-of-the-art aesthetic glass facade.

**The times when industrial buildings were made for functional purposes only has long gone. Buildings which are solely used for production are increasingly replaced by modern manufacturing sites. Frerichs Glas GmbH located in Verden / Aller created their new production building which is a piece of art made of glass reflecting the company vision and aesthetics and offering quality of life for their employees. EFAFLEX industrial high-speed doors perfectly fit into the glass facade.**

"We decided to take doors with an impressive visual impact which best fits into our new front," Gunther Zinsser, authorised representative of Frerichs Glas GmbH, explains. With regard to architecture, the new building is highly aesthetic. The outer walls are mostly made of glass. Thus the workshops have ambient daylight even on days with dull weather such that hardly any artificial light is needed. The employees have almost open-air working conditions and are still protected from wind and weather. This concept is supported by the 225mm wide transparent laths of the applied EFAFLEX doors. They give the frontage a consistent look. Due to the use of SAN acrylic glass which allows a greater penetration of light than conventional glass, the doors offer optimum amounts of light. This acrylic glass weighs only a fraction of normal glass and offers sustainable transparency.

The products from the Bavarian high-speed door specialist have even more important features which were decisive for the choice. "Technology and speed are at least as important as high-quality design," Gunther Zinsser says. "The opening and closing speed of the doors is decisive as the air exchange between inside and outside must be as low as possible."

The EFA-STT® doors open very quickly with a speed of more than 3.0 m/sec and close with 0.75m/sec. Thanks to this, the perfect indoor temperature can be maintained without losing a great deal of heat. In addition to more than positive energy balance, unpleasant drafts are also prevented. EFAFLEX turbo doors can be used for wind speeds of up to 120 km/h without any restrictions. The reliable and rugged construction has been developed for approx. 250,000 opening cycles per year.

"The doors not only have an excellent look but are also outstanding with regard to technology," Zinsser summarises. This is very important because architecture only pays off as long as it is designed for a long service life.

Moreover, the ecological compatibility of the building increases with every year of reasonable utilisation. When planning the new buildings, Frerichs Glas GmbH considered ecology, economy, innovative technology, aesthetics and sustainability as a whole. First, they modernised an existing old building. Then they built a new hall with a size of 3,000 square metres thus doubling the original production area. Among others, the shipping and incoming goods department, glass processing for internal areas as well as acrylic glass and Makrolon processing are located there. Water treatment for the water coming from glass processing, perfect ventilation as well as photovoltaic systems which have already been designed are a matter of course for the planners.

"We would always choose EFAFLEX doors," says Gunther Zinsser. "We appreciate good cooperation with our suppliers." Reliable partnerships with customers and suppliers have always been important for the Verden specialist for flat glass and plastics. The company was established in 1876 by the Frerichs brothers as retail business for paint, wall paper and flat glass. Since then, it has been constantly adapted to changing market situations.

During their 135 years of company history, Frerichs Glas GmbH has grown to currently 160 employees. They not only ensure the high quality of their products but also smooth logistics and a high degree of customer satisfaction.

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