

## User report

### **Machine noise can barely be heard outside the doors**

Adolf Pühl GmbH & Co.KG uses high-speed doors from EFAFLEX for the prevention of noise emissions.

**An industrial plant in the middle of a residential area, the access road right on the much travelled main through street: Adolf Pühl GmbH & Co.KG in Plettenberg has grown gradually together with the town and its residential estates. The company sees it as its duty both to ensure transport connections for road-bound goods traffic cause no disruptions to the general public while also limiting the noise pollution for local residents. Plant manager Thomas Schmidthaus found the perfect solution to both his problems with the integration of industrial high-speed doors from EFAFLEX.**

"The main access road to our company site lies alongside state road L 697. When queues of trucks are at the entrance door, and the door takes too long to open up to full height, we immediately have endless jams on the main road," explains plant manager Thomas Schmidthaus. It goes without saying that car noise, exhaust gases and traffic jams would stir up the discontent amongst the local residents. "For this reason, we needed to have access doors that are fast and resilient."

EFA-STT® high-speed turbo doors were chosen, with opening speeds of over 3 m/sec., they are among the fastest vertically moving doors in the world. The clear-sighted laths provide more than 70% transparency; hence ensuring excellent light and continuing transparency. Additionally, thanks to the exemplary tight sealing, extreme cold, wind and adverse weather always remain outside. The result is

significantly lower energy costs, while protecting our employees from the effects of the weather.

At the entrance and exit doors laser scanners from EFAFLEX ensure complete traffic control, the doors open in seconds, but only when vehicles move towards them. At the same time, EFA-SCAN® laser scanners monitor all safety-relevant areas. "We have set up several of these safety devices across the plant, they work flawlessly. Particularly at our main entrance, the scanner also ensures that the door remains closed when cyclists or pedestrians pass at right angles to the door on the adjacent footpath. Thus, no-one gains access to our premises unmonitored."

Over time, the topic of noise protection has also become relevant, says Thomas Schmidthaus. According to Schmidthaus, the noise spreads through the valley to such an extent that the residential areas on the other side of the mountain were affected by noise emissions. Here, the high-speed EFA-SST®s with double-walled insulation laths provided the remedy. The noise of the punches and machines can barely be heard anymore outside the doors. "Here, we have opted for EFAFLEX high-speed doors with thermally separated insulated laths for energy-related reasons," says Thomas Schmidthaus. "This aspect is much more significant than one can imagine at first glance. The cold actually spreads very quickly in the hall - a door does not have to be open for long at all. The doors from EFAFLEX prevent the large-scale cooling effectively." In addition to the 10 doors that have already been integrated, two others are already in planning. "In the next while, we will replace all the doors of competitors with those of EFAFLEX," announces the plant manager. The EFAFLEX field service team was inventive, even when it came to special local conditions. Due to the sloped ground, an inclined ground closing shield has been installed on a door to the yard. It thus lines up perfectly with the ground. "We also find customer service to be always available and ready to provide fast and flexible help," praises Thomas Schmidthaus.

The plant manager values conscientiousness and flexibility very highly because Adolf Pühl GmbH & Co.KG has itself stood for flexibility, reliability and progress for generations. As one of the world's largest stock-holding producers of standard washers, the company focuses on what its customers want and impresses in international competition. Founded in 1897, today it employs more than 150 staff at the Plettenberg location. The PÜHL product range covers almost all standards for washers as well as various other punched parts. Innovative industries from the fields of wind and solar energy, traffic and vehicle engineering or steel construction appreciate the efficiency as well as the quality of the products manufactured. State-of-the-art production plants, maximum flexibility, excellent delivery capacity, global presence and exemplary service make PÜHL one of the leading manufacturers and suppliers of standard, DIN and special parts for mechanical connections all proudly "Made in Germany".

Caption: Thomas Schmidthaus

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