

User report

No interference of air space surveillance

EFAFLEX high-speed doors meet highest expectations of low-reflexion façade design

70 full-time and 550 part-time fire fighters ensure the airport safety 24 hours a day. In case of emergency, the fire fighters must be able to reach every location of the airport within three minutes. Besides regular exercise, it is indispensable to have first-class technical equipment. This was the reason why the Vienna International Airport was provided with a new fire station. EFAFLEX doors allow among others for the quick exit of the vehicles.

Terminals, shops, hotels, filling stations, car parks as well as 50,000 people and 10,000 vehicles on 10 square kilometres every day: "Vienna International Airport" in Schwechat resembles a small town. For the fire fighters of the airport, this large area means more than 4,000 operations each year. There is no question that highest operational readiness, quickness and state-of-the art technology have top priority.

The requirement profile for the suppliers of the new fire station was very high. Designers therefore decided to choose EFAFLEX products because in this sector it is particularly important that everything runs smoothly in case of emergency. Due to their size of 7.5 x 4.5 metres, the doors are a technical challenge in case of a wind load of up to 150 km/h. On the basis of § 12 and § 18a of the Air Traffic Law (LVG), the authorities also required a low-reflexion facade design with a reflexion loss of at least 7 dB, thus ensuring that the sonar signal communication between aircrafts and radar transmitters is not negatively affected by wrong signals generated by reflexions of building facades. Therefore it is obligatory for

all new buildings within an area of 15 km around the airport to obtain a building permit from the responsible aeronautical authority. EFAFLEX doors even outperform the required value by 2 dB. These 17 EFAFLEX high-speed doors are BUS-controlled and are extremely quickly opened or closed in a synchronised way individually for each hall or altogether through a central control desk. The fire fighters are supported in their responsible duty by the outstanding product features of EFAFLEX high-speed doors such as reliability, sustainability and safety as well as by the integration of 2.6 metres high light grids. Furthermore, the EFA-STT® high-speed turbo doors with transparent laths provide enough light for the fire fighters to maintain their equipment during the day because a minimum of 70 percent of visible surface guarantee best view. Due to the use of SAN acrylic glass, the doors offer optimal light. Compared to conventional glass, acrylic glass weighs far less and offers sustainable transparency. EFA-STT® high-speed turbo doors with an opening speed of more than 3 m/sec are among the quickest doors in the world. Extremely long maintenance intervals result in lowest maintenance costs. EFAFLEX-Torsysteme GmbH with head office in Baden near Vienna currently employs around 40 people. Continuously investing in customer service and in the education and further training of employees, EFAFLEX-Torsysteme GmbH has become the market leader in the high-speed industrial doors segment. Their high commitment to quality is reflected in the company certification according to ISO 9001:2008 and the Austrian Quality Seal which EFAFLEX was awarded in the category of "Austrian Model Companies".

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