

### Doors and gates of stainless steel

Fire doors have to be able to withstand extremely high temperatures. The materials they are made from and the type of construction are of the utmost importance. Of necessity such doors are therefore very thick. Stainless steel, with a gleaming matt finish, or a ground or patterned surface, can relieve the bulk and give a pleasant appearance. The material is also very resistant to mechanical damage and its smooth, pore-free surface is easy to clean. For these reasons, stainless steel fire doors are frequently the choice in areas where hygiene is paramount, such as for example in canteens or clinics.

Particularly high standards of quality can be achieved where all parts of the fire door or gate are made of stainless steel, including interior reinforcement, the frame and the hinge plates. Depending on the individual situation or requirements, the fire door can also be made smokeproof, burglar-resistant and soundproof.

Client: Fraport AG, Frankfurt am Main, Germany  
Architects: J.S.K Architekten, Frankfurt a. M., Germany  
Photo: System Schröders, Erkelenz, Germany



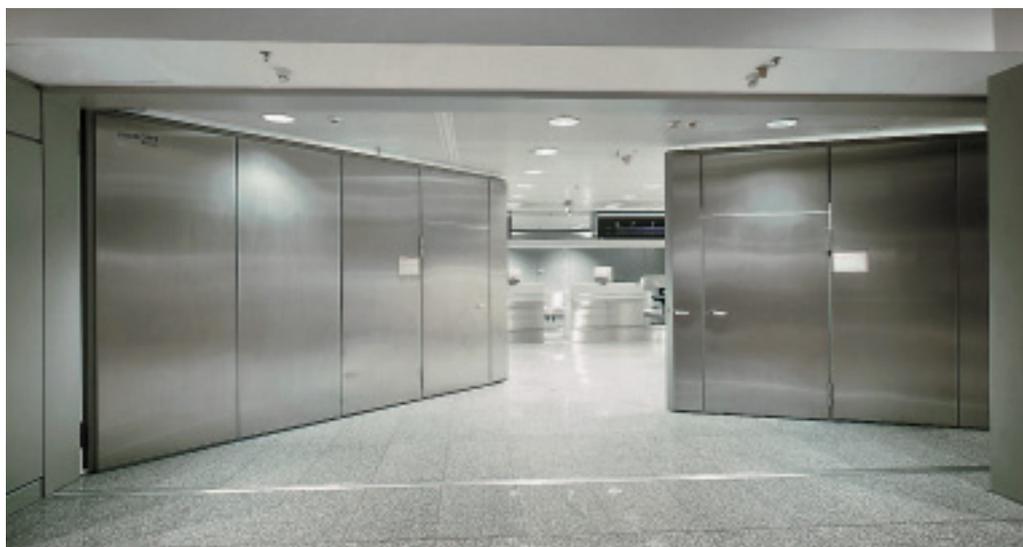
Photo: Teckentrup, Verl-Sürenheide, Germany

*In canteens fire doors in stainless steel meet even the highest standards of hygiene.*

*Josephsburg station on Munich's underground system. Despite the exacting requirements in terms of technology and building physics, fire doors in stainless steel also manage to satisfy aesthetic demands.*



Client: City of Munich, Germany  
Architects: U-Bahn-Referat, Munich, Germany  
Photo: Martina Helzel, Munich, Germany



*The double fire gates in Terminal 2 at Frankfurt Airport are made entirely in stainless steel, and meet fire resistance standard T90. A built-in escape door offers a means of exit even when the gates are closed.*