



Tender specification:

The product complies with the following standards and regulations:

**EN 12101-1 Smoke barriers
EN 81-58 Landing doors**

Smoke barrier attachment combined in front of a lift landing door ensures controlled smoke channelling into the storey (in front of landing doors)

The smoke barrier system consists of

- a headbox
- the smoke barrier
- two lateral guide channels
- one control

The smoke repelling system is mounted on a new lift landing door. Ideally, this has a fire certificate to EN 81-58. After attaching the smoke barrier on the lift landing door, the approval of the landing door to EN 81-58 must be verified.

The landing door is prepared by the manufacturer with diverse intersection points for retaining the smoke barrier.

The system is attached on the door so that the headbox with the barrier is mounted on the top frame and the two guide channels are mounted on the side frames of the lift door.

The headbox and the two guide channels can be made in the following designs:

- Stainless steel (1.4301) ground, K. 240
- Stainless steel (1.4301) patterned finish, linen
- Powder coated to RAL

The barrier material has the following properties:

- It is made of smoke-tight PU-coated glass woven glass fabric (A2 to DIN 4102).
- It is temperature resistant up to 600 °C for 120 minutes.
- 1000-cycle endurance test passed
- Noncombustibility of the system verified with national technical approval
- Smoke repellent with CE marking confirms conformity with EN 12101-1

The barrier system has a total width equal to the clear door width (landing door) + 200 mm (100 mm each for barrier guide), the headbox is 180 mm high and 150 mm deep, it is as wide as the barrier system.

The guide channels are each 100 mm wide and 50 mm deep.

From a clear door width of > 2,780 mm, the headbox is 2-piece (divided in the middle).

In the event that smoke occurs, the barrier is triggered and rolls down to the floor in front of the lift landing door.

The triggering is controlled by the barrier control in conjunction with the lift control, fire alarm control and indicating equipment

or similar.