



### **Tender specification:**

**The product complies with the following standards and regulations:**

#### **DIN EN 12101-1 Smoke barriers**

#### **Smoke protection curtain system in front of an elevator shaft door to seal off individual floors from smoke**

The smoke protection curtain system consists of

- a roll-up box
- the actual smoke protection curtain
- two lateral guide rails
- a control system

The system is mounted on a new elevator shaft door. After the smoke protection curtain has been mounted on the lift landing door, the approval of the landing door according to EN 81-58 must be proven.

The landing door is prepared by the manufacturer for mounting the curtain system through various intersections.

The curtain system is fitted to the door in such a way that the roll-up box with the curtain is mounted on the top frame, the two guide rails on the side frames of the lift door.

The roll-up box and the two guide rails can be in the following designs:

- Stainless steel (1.4301) ground, K. 240
- stainless steel (1.4301) pattern rolled, linen
- Powder-coated according to RAL ...

The curtain material has the following properties:

- It consists of smoke-proof PU-coated glass fabric (A2 according to DIN 4102).
- It is temperature resistant up to 600 °C for 120 minutes.
- 1000 cycles endurance test passed
- Smoke tightness test of the fabric according to DIN EN 1634-3 passed
- Non-combustibility of the system proven with general building authority approval
- CE marking confirms conformity with DIN EN 12101-1

The curtain system has a total width of clear door width (landing door) + 200 mm (each 100 mm guide of the curtain), the roll-up box has a height of 180 mm and a depth of 150 mm, it is as wide as the curtain system. The guide rails are each 100 mm wide and 50 mm deep.

From a clear door width of > 2,780 mm, the roll-up box is designed in two parts (divided in the middle).

If smoke is detected, the curtain is triggered and rolls down to the floor in front of the lift shaft door.

The release is controlled by means of the curtain's control system in connection with the lift control system, a fire alarm panel or similar.