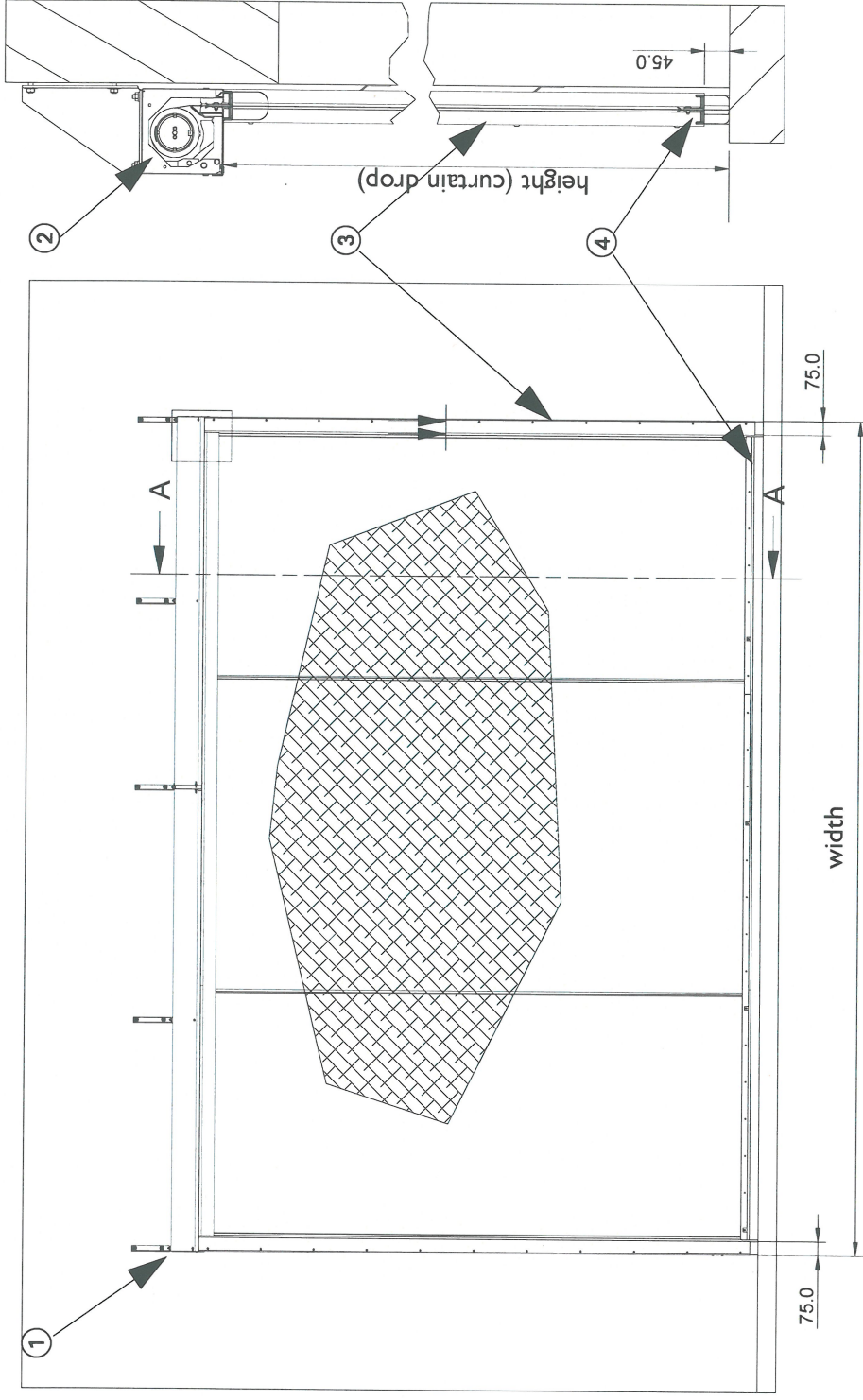


FMI = Fire Curtain standard version

### What the system comprises

There are four main components:



- ① Head box
- ② Roller with fabric
- ③ Side guides
- ④ Bottom bar with seal / k-profile

## Description / application

Colt FM I Fire Curtain seals off an area to contain a fire and to prevent that fire from spreading to other areas.

It is classified as a fire barrier for either 60, 120 or 180 minutes resistance, in accordance with EN 1634-1.

It has a E 60-C1, E 120-C2, E 180-C2 and EW-30 classification according to EN 13501-2.

Reliability functional test: 10,000 Cycles (FR side guides).

It unrolls in a gravity fail safe manner without needing power (gravity fail safe).

The fire curtain consists essentially of a roller in a galvanized steel housing, which is enclosed by a fire-resistant material and automatically rolls down from a signal of a fire alarm system or failure of the power supply.

A heavy bottom bar is fitted to the bottom edge of the fabric to pull the curtain down, to keep the material taut and to provide a suitable finish when the curtain is retracted.

- ▶ Fabricated galvanised steel headbox with integral brackets and removable cover plate underneath.
- ▶ Side guides either of a tube guide or roller guide design.
- ▶ Guide rails are used to stabilize the curtain surface and increase the tightness of the system.
- ▶ Cloth securely attached to the roller tube
- ▶ Bottom bar comprising either a suspended aluminium profile or a seal at the bottom in the form of a cloth loop.
- ▶ Built-in 48V DC tubular motor with speed monitoring.
- ▶ Roll up speed approximately 0.06 m/s.
- ▶ Unroll speed approximately 0.13 m/s
- ▶ Simple controls to receive external fire signals and for testing
- ▶ Hold open device in accordance with the "DIBt Directive".
- ▶ Connection for manual controls

Caution

The curtain fabric has to meet functional requirements and so cannot be considered as a decorative substance. If the fabric gets distorted or warped, or there are defects in the coating, these do not affect the fire protective properties.

## Example

### Fire Curtain FMI

Type: FMI/2/DH/N/G/5500/2300/50/2/UK/FR/1/EI80/PS/O

The Colt FMI Fire Curtain seals off an area to contain a fire and to prevent that fire from spreading to other areas.

Tested in accordance with EN 1634-1

The fire curtain is built up as several systems in one, with the cloth and roller next to each other in a galvanized steel housing. The special design allows the individual curtains to be overlapped. The bottom of the housing is closed off with a panel which also allows the entire length of the system to be accessed.

The fabric consists of a glass filament fabric with stainless steel core and a flame-retardant polyurethane coating. The embedded Al pigments ensure good heat reflection.

Colour: silver grey

Class A2-s1,d0 in accordance with EN 13501-1

The curtain fabric has to meet functional requirements and so cannot be considered as a decorative substance. If the fabric gets distorted or warped, or there are defects in the coating, these do not affect the fire protective properties.

A bottom bar is attached at the bottom of the fabric to provide ensure that the curtain operates as designed and in order to stabilize the curtain when it is dropped. The spring loaded bottom strip made from extruded aluminium ensures that the unit provides a clean finish in its rolled up position. The glides attached to the sides of the bottom bar also help the unit to close tightly when there are side air currents.

The unit is equipped with roller side guides. The rollers mounted on the sides of the curtain keep the cloth fixed into the side guides.

The side guides are prepared for installation in wall openings.

The housing and the side guides are completely powder coated to a standard RAL colour, gloss approx. 70%.

The unit is installed using special brackets either for wall or ceiling mounting. The design and dimensioning is determined by local regulations and also by the temperature class of the system.

Height to fix: ..... m (approx).

Centres of fixings: / .....-..... mm

### Evaluation according to EN 13501-2

Integrity	:E 180,
Radiation	:EW 30
Self closing	:C2

### Technical data

Width	[mm]	:5500
Height (curtain drop)	[mm]	:2300
Dimensions(WxH)	[mm]	:250 x 150
Weight	[kg]	: 99
Roller		
Voltage (DC)	[V]	:48
Drop speed	[m/s]	:0.15
Protection class		:IP40
Finish		:RAL