

600 °C for 120 minutes

SC1 - D120



ACCORDING TO STANDARD

EN 12101-1

ACTIVE SMOKE COMPARTMENT CURTAIN

The **Active smoke compartment curtain** forms a mechanic system integrated in the construction which requires little space and allows to control fire smoke and gas movement in a “hidden” way.

MATERIAL

The system is made up of: a fireproof textile curtain which only unfolds in case of emergency, a galvanized steel box which holds the curtain, a counterweight at the bottom to provide stability, an engine, an engine control module and a panel receiving the fire signals.

CLASSIFICATION

SC1 Curtain has been tested and certified in an official laboratory with a **D120** temperature/time classification (600 °C for 120 minutes) **ASB1** and **3** according **EN 12101-1** and **EN 13501-4 standard**.

Tested according to **UNE EN 1634** “Fire Resistance and Smoke control”.

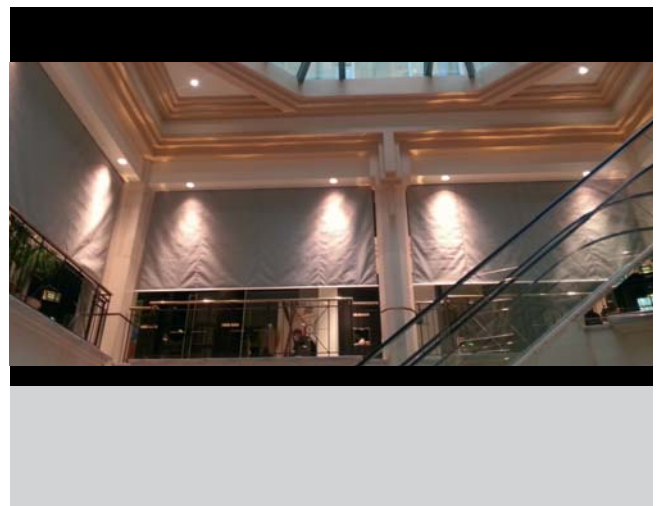
Tested also according to **UL standards**.

OPERATION

SC1 Curtain compartment is a system with positive security, that is to say, it automatically goes down in a controlled speed after receiving a signal from the fire detection system. Lowering can be done in two phases, with or without electrical current

APPLICATIONS

Buildings where it is not possible to install a fixed barrier due to aesthetic reasons:
Shopping Malls
Public buildings
Garages
Airports
Museums



ACTIVE smoke compartment curtain

600 °C for 120 minutes

ACTIVE SMOKE COMPARTMENT CURTAIN SYSTEM

- It contains the smoke in spaces delimited by its textiles, blocking the smoke to move elsewhere.
- Channeling the smoke into a determined direction towards the exhaust system.
- Avoids any delays smoke from passing to other areas.
- Set up smoke-free spaces.



COMPONENTS

GCP. Panel responsible for receiving the fire signal coming from the detection system and therefore, activating the curtain. It allows seeing the system state as well as carrying out the maintenance works. It has a system of batteries capable of holding the curtains and electrovalves in rest position in case of failure from the power supply.

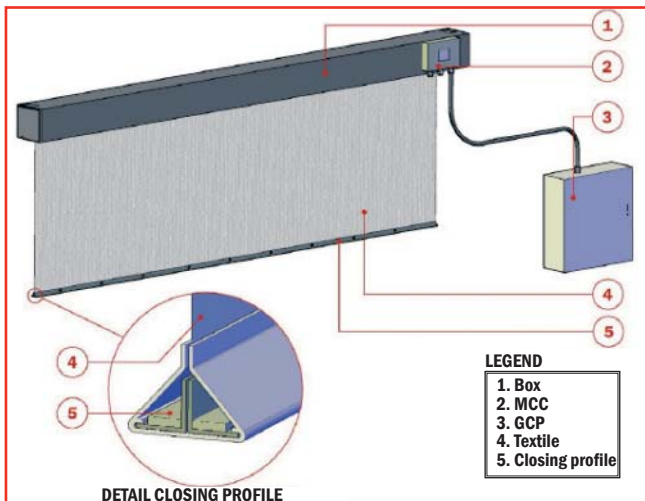
MCC. Motor control module. Placed next to the motor, it keeps the curtain stable in its rest position (folded). Also, synchronizes the lifting speed and limits the lowering speed under the action of gravity even with power failure.

Box. Intended to house the fire curtain in its interior, it is made up of galvanized steel 1,5 mm thick. It has several configurations and support systems in order to adapt to the architectural conditions.

Closing profile. Installed on the lower end of the textile, it provides stability to the whole unit and forms the closing of the box in its rest position.

Textile. Fabric made of fiber glass. United and treated to withstand temperatures up to 1000 °C.

Motor. Tubular motor with 24 V DC functioning and operational up till a temperature of 300 °C. Equipped with a gear system which allows applying the needed touch for the proper functioning of the system.



Installation drawing

ADDITIONAL COMPONENTS

- Centralisation in touch-screen system with visual representation of state and alarms.
- RAL powder-coated of the metallic elements of the system.
- Acoustic alarm of obstructions in the closing display.
- Manual reset of the system.
- Voice warning of the lowering curtains (optional).
- Warning light of lowering curtains .
- Temporized lowering and/or in stages (optional).
- Temporized escape button (optional).
- Integration contacts with central management system.
- End of stroke.

