

ACTIVE fire compartment curtain

1000 °C for 240 minutes

FC2 - E240
EW30/DHA

ACCORDING TO STANDARD

E N 1 2 1 0 1 - 1

ACTIVE FIRE COMPARTMENT CURTAIN

The **FC2 active fire 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

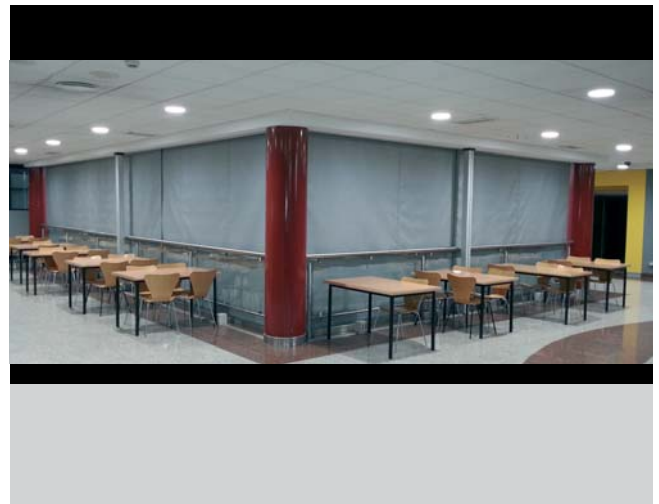
The system is made of: a fireproof textile curtain which only unfolds in case of emergency through side guides, a galvanized steel box which holds the curtain, a counterweight at the bottom to provide stability, a motor, a motor control module and a panel receiving the fire signals.

OPERATION

FC2 active fire compartment curtain 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 curtain due to aesthetic reasons:
Shopping Malls
Public buildings
Garages
Airports
Museums



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CLASSIFICATION

FC21 Curtain is a system with **E240 EW30** classification **Class 0** according to **EN 13501-4** standard.

FC21 Curtain is a system with **DHA** classification (1000 °C 240 minutes) **ASB1** and **3** according to **UNE 12101-1**.

Tested according to **UNE EN 1634** "Fire resistance and smoke control".

Tested according to **UNE EN 949** "Impact resistance to a soft and heavy body".

Tested also according to **UL standards**.



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.

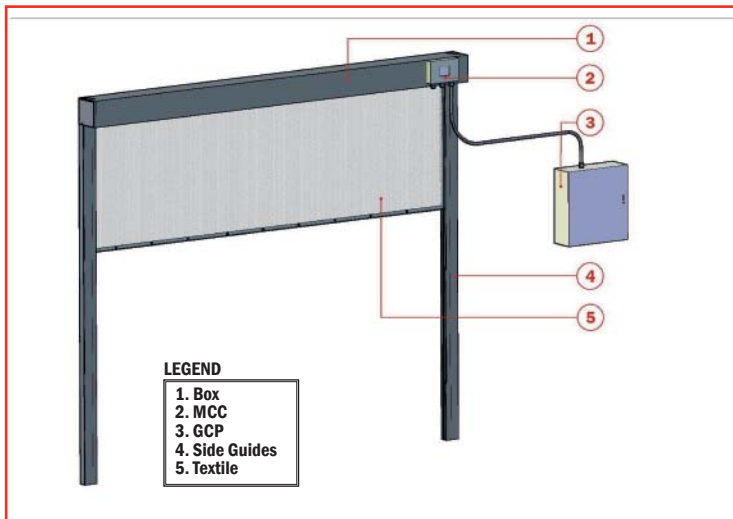
Box. Intended to house the fire curtain in its interior, it is made up of galvanized steel 1,5 mm thick. It has several configurations and support systems in order to adapt to the architectural conditions.

Side guides. Made of a 2 mm galvanized steel piece, they laterally fix the curtain keeping its compartment function despite the overpressure generated by the fire.

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.

SECURITY ZONE

