

RFCOR | Fire curtain.

With one or two side-hinged leaves, made of galvanised steel sheet.

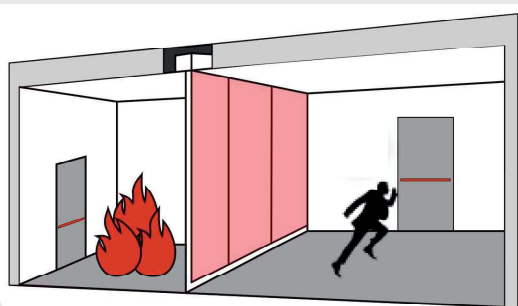


Technical description.

Inkema's fire curtain is the most innovative system for fire and smoke protection currently available on the market. It allows for complete integration into any environment thanks to the small space required for installation. This also positively affects the aesthetics of the curtain, which remains hidden until the fire alarm sounds.

The RFCOR fire curtain limits the spread of fire, complying with the strictest national (CTE and RSCIEI) and international (EN) standards.

Graphic diagram - RFCOR.



Curtain features - RFCOR.

- Large-scale manufacturing.
- Quick and easy assembly system.
- Opening and closing on the axis of the curtain.
- Minimum installation space.
- Sectorization system on both sides.
- Control panel prepared to include additional accessories.

Tissue.

The glass fibre fabric is reinforced with steel mesh and coated with silicone on one side, which prevents the glass from breaking off at temperatures above 600°C.

The silicone acts as an insulator against smoke and provides greater rigidity and permeability. The EI60 classification has 2 layers of glass fabric with a 10 mm fibre blanket between them.

The EI120 classification has 4 layers of fibre fabric with a 10 mm fibre blanket between each pair of layers.

Inkema fire curtains comply with the regulations in **UNE EN 1634-1**, **UNE EN 1363-1** and **UNE EN 13501-2**.

Operation.

The RFCOR curtain has an automatic design that guarantees integrity against flames and smoke permeability for 60 to 120 minutes, with 1000 guaranteed cycles and pressure resistance of 25 Pa.

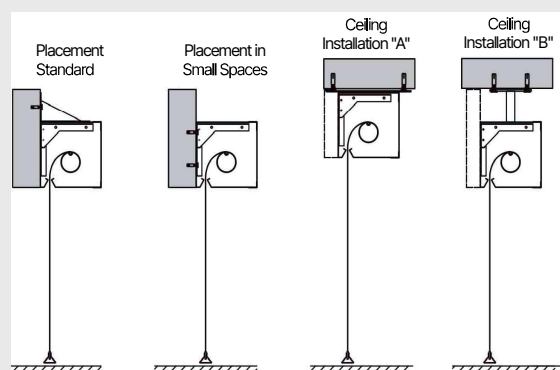
It includes a control panel connected to the alarm centre to activate the curtain in the event of a fire. In addition, it complies with the UNE EN 1363-1 standard for maximum tension tests in vertical and horizontal positions, ensuring its effectiveness and durability.



Drawer.

The rollers with the fabric are made of 1.2 mm thick galvanized steel sheet.

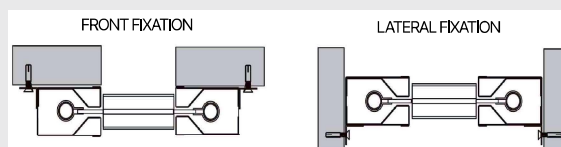
There are several methods of fixing the box, and all fixings must be made on an element that guarantees fire resistance equal to or greater than the system.



Side guides.

The fixing brackets for the side guides must be installed at a maximum distance of 750 mm from each other.

The pan head screws supplied with the system must be used, although other fixing methods such as welding and inserts are also valid.



Fire resistance.



Motorization.

The curtain incorporates a 24V or 220V tubular motor, depending on its size, installed inside the shaft for fire protection.

The motor controls the opening and closing operations and remains locked when the curtain is open to prevent wear and tear and does not require electrical power.

A CNI10/CNI20 control box is supplied with an uninterruptible power supply (UPS) and emergency batteries to ensure operation in the event of a power failure.

Characteristics.

- Base Fabric: 660 g/m² +/- according to DIN EN 12127.
- Finished fabric: 680g/m² +/- according to DIN EN 12127.

Warp

- Material: E-Glass, Steel Wire.
- Max. compressive strength: 900 N/cm according to EN ISO 13934-1.

Frame

- Material: E-Glass, Steel Wire.
- Max. pressure resistance: 900 N/cm according to EN ISO 13934-1.
- Fluoropolymer coating; 20 g/m² per side.