

Data sheet

# Fire curtain

# FIRE CURTAIN



Kavidors fire curtains have a **fire resistance of 120 minutes**. They **limit the spread of fire and smoke, as well as the transmission of thermal radiation**, preventing the ignition of materials and damage to people on the side not exposed to the fire. Thanks to the fact that **they open vertically**, their installation will always be possible regardless of the available clearance. Reversible, able to withstand flames on both sides.

## Fabric

When the curtain is exposed to high temperatures, it creates an **insulating inner layer** that works as a barrier **to limit thermal radiation for 120 minutes**. This is possible thanks to its **multilayer fabric** finished with 2 mm thick aluminum sheets on both sides.

**Irrigation system with fast response hot melt bulb type**, hidden under the false ceiling. Sprinklers distributed every two meters, required only to isolate the fabric and not the structural elements such as the drawer or the side guides.

## Guides

GL side guides. The **anti-tear guide system ensures the tightness and integrity of the fire curtain against gases and flames** thanks to the low friction inner guide.

Compact anti-flex counterweight mechanism that ensures the **closing of the fire curtain safely** at a controlled speed without the need for electrical power thanks to **ISF Gravity Fail Safe technology**.

Dimensionally stable metal drawer that houses the fabric and the different components of the system.

Base fabric	1000 g/m <sup>2</sup> +/- according to DIN EN 12127
Finish fabric	1120 g/m <sup>2</sup> +/- according to DIN EN 12127
Material	E-Glass, Steel; Wire

## E120

High performance technical **fiberglass fabric with stainless steel armature**. Finished with a polyurethane treatment to **preserve inherent properties of the fabric during curtain maneuvers**.



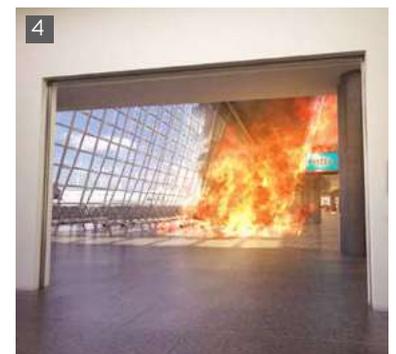
## EW120

The innovative design of the EW120 fire curtains **allows** the limiting and controlling of flames and hot gases up to 1100 °C and **creating an area with reduced thermal radiation** up to 15 Kw/m<sup>2</sup> for 120 minutes, thus favoring the permanence of **safe areas during a fire**.

## EI2120

This model of fire curtain, **in addition to reducing the emission of thermal radiation, also reduces heat transfer**, creating a safe area for people and property as it is not possible to produce a fire on the other side. This is possible thanks to the **water spray with an irrigation system**.

- 1 Fire curtain profile.
- 2 Automatic fire curtains.
- 3 ISF Gravity Fall Safe technology.
- 4 Reversible, suitable to protect two sectors from fire.



### Airtightness

It seals the rooms completely, so there is no unnecessary loss of energy.



### Fire

Fire resistant up to 60 minutes.



### Reversible

Supports flames on both sides.



### Anti-crushing

Controlled lowering speed without the need for a power supply.



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