

PRODUCT DOCUMENTATION

Flammatex Fire Curtains

Flexible fire and smoke barriers for large architectural openings — classes E, EW and EI.

Function

Fire and smoke curtains are installed in openings where a fire- or smoke-resistance requirement applies — such as compartment walls, sectioning walls and external façades. When the fire alarm is triggered, either locally via a smoke detector or via a central fire alarm panel, the curtain closes automatically. The system continuously monitors the alarm chain and the control unit, and reacts to any fault.

Control unit with UPS function

Flammatex fire curtains are supplied with an advanced control unit with battery back-up. The unit monitors wiring, connections and battery status. In the event of a fault it raises an alarm and, if required, drives the curtain to the closed position (fail-safe).

Control connectivity

- Up to 5 fire curtains per control unit
- External up/down switch
- Emergency-open switch
- Photocell / safety edge
- Connection to fire alarm system and/or local smoke detector
- Three relay outputs for status reporting to the central system
- 24 V output from the control unit
- Flammatex app (iOS) via Bluetooth
- Time delay
- Self-test routine (see separate documentation)

Applications

Prevents fire spread between buildings and floors. Combustible façades closer than 8 m to the adjacent building can be accepted. Eliminates the need for fire-rated glazing — windows can be openable.

Stairwells between floors. Prevents fire and smoke spread between floors. Levels can be connected with internal stairs without major fire-engineering compromises.

Façade sprinkling. Provides an engineered alternative to façade sprinkler systems.

Replaces fire-rated glazing. Standard, openable windows can be specified — a more economical solution.

Protects against smoke spread. Limits smoke spread between floors and along escape routes; can form a smoke screen combined with smoke ventilation.

Reduced temperature and radiation. Improves life safety for occupants and emergency services.

Shafts. Secures vertical shafts and lift shafts against fire and smoke spread.

Replaces fire sliding doors and fire doors

- Shorter installation time
- Higher smoke and fire tightness
- Significantly lower weight
- Frees up floor space
- Lower headroom required
- No leaf obstructing the opening
- Superior control and monitoring

Mounting options

- Surface-mounted cassette and guide rails within the opening
- Concealed cassette with surface-mounted guide rails
- Surface-mounted cassette with concealed guide rails
- Fully concealed cassette and guide rails
- Cassette installed above the suspended ceiling, guide rails on the wall
- Concealed cassette in corridor with exposed guide rails

Product range overview

Model	Classification	Max size (W × H)	Smoke tightness	CPR number
Flammatex E120	E 120 (EN 16034)	12 000 × 6 000 mm	—	1396-CPR-0167
Flammatex E120 / EW30	E 120 / EW30	7 900 × 6 000 mm	—	1396-CPR-0167
Flammatex E120 / EW60	E 120 / EW60	8 200 × 8 200 mm	—	1396-CPR-0243
Flammatex E120 / EW90	E 120 / EW90	5 000 × 4 000 mm	—	1396-CPR-0243
Flammatex E120 / EW120	E 120 / EW120	10 000 × 6 000 mm	Sa4 / S200	1396-CPR-0243

Standards and certifications

Test standards	EN 1634-1, EN 1634-3, EN 12605, EN 15269-11
Classification	EN 16034, EN 13501-2, EN 13241
Certification	CE-marked
Smoke tightness (EW120)	Sa4 / S200
Quality management	ISO 9001

Key arguments

- Cost-effective solution
- Architect-friendly — minimal visual impact
- Wide range of applications
- Can be integrated into the building fabric

- High fire classification (E, EW and EI) — CE-marked and type-approved
- Compact footprint — typically 200 × 200 mm or 250 × 250 mm cassette
- Industry-leading control unit with continuous monitoring

This document is intended for export customers. All values refer to laboratory test results in accordance with the cited standards. For project-specific advice, please contact BVS Brandskydd.