

NBS Specification

Gilgen Firetex FC 2 - 4 Hour Fire Curtain

The general system comprises a fire resistant reinforced fabric curtain on a steel tubular barrel system c/w integral electric drive system with motor, gearbox, current sensing for automatic distance travel control and 'failsafe' braking system. The system is housed within a four sided galvanized steel head box.

The fabric curtain is supplied with a steel weighted horizontal bottom bar to control curtain deflection and vertical side guides with curtain retention provisions.

The product is specifically designed for low cycle usage and is generally intended to be normally left in the open position for automatic activation in the event of a fire alarm signal, or closed on a daily basis for loss prevention purposes.

Standard details for Gilgen Firetex FC 2 – 4 Hour Fire Curtain

- Manufacturer: Gilgen Door Systems Ltd
- Product Reference: Firetex FC 2 – 4 Hour Fire Curtain
- Frame finish/
Colour: Manufacturer's standard
Polyester powder coated, BS4800
Polyester powder coated, RAL colour range
To main visible parts
- Control: Manufacturer's standard
Beam protection and obstruction warning
Emergency retract
Split drop delay
Visual alert system
Voice warning
- Arrangement: Face fixed
Soffit fixed with steel hanging rods

Guidance

As standard

Standards applying to this product

- BS 476 part 22.8 - 2 hrs fire resistance.
- BS 7346-3 Smoke curtain tested.
- BS EN 12101-1
- BS EN 1363-1
- BS EN 1634-3

Operation

Electric with adjustable drive speed and 'gravity failsafe' operation. The system operates with a 240volt mains supply feeding specially developed control equipment with low voltage 24 volt DC drive with sequenced activation and integral battery back up to sustain a minimum number of operation cycles in the event of a primary mains power failure.

The fire curtains will be capable of operation as an integrated part of the Smoke Control and Fire Management System, with emergency power units complete with battery backup and alarm interface panels.

Shutter curtain

AEFP4/1000 is a composite material of stainless steel mesh and woven glass fibre base fabric, coated with a specially developed reflective micronized aluminium enriched polymer to both sides. Normal weight is 635 g/m². Widths exceeding 5 m shall be continuously overlapped and conjoined. Minimum width is 800mm, maximum widths are unlimited. Drops can be assessed to 10 m.

Fire performance

The range is designed and tested to give the performance of a fire shutter offering maximum 4 hours fire resistance, with enhanced smoke containment.

The fabric has a Class1 surface spread of flame when tested to BS 476-7 and a fire propagation index I=2.7 when tested to BS476-6. It is therefore rated Class 0 to the UK Building Regulations. Up to 2 hours fire resistance when tested to BS 476-22.

Weight (door assembly)

15 kg/m².

Environmental ingress protection level (motor and controls)

No performance determined - use in dry, dust free environments only.

Motor drive duty rating

Class S3 – 30%.

Arrangement

Face fixed.

Options

Control

- Beam protection and obstruction warning: A beam detector, with delay timer which will sound in the event of any obstruction being placed in the barrier (curtain) deployment line.
- Emergency retract: Push button retract facility for escape and emergency service access.
- Split drops delay: Partial descent to predetermined level to permit preliminary escape and initial smoke containment. After delay barrier (curtain) descends to full fire operational position.
- Visual alert system: Standard localized flashing light.
- Voice warning: Audio and/ or spoken multi message facility.