

# NBS Specification

## Gilgen Firetex 60 1 hour CDO – Fire resistant vertical steel shutter

A power operated steel single-skinned fire resistant automatic vertical shutter consisting of concave, solid profiles. Offers good security and fire resistance with a lighter duty material construction than the larger Firetex 240 model. Fire performance to DIN 4102: Door section element materials are Class A2 (non-flammable) and have been tested and assessed to provide maximum 1 hour resistance in accordance with BS 476-22.

Gilgen commercial duty electrically operated steel fire resistant vertical rolling shutter doors are designed for small apertures in industrial and commercial applications and are suitable for automatic internal fire compartmentation functions. Manufactured with 75 mm deep galvanised steel scroll lath curtain, galvanized steel 'L' shaped bottom rail and channel profiled vertical side guides. The main head assembly comprises of mild steel primed end plates and angle fixing brackets, tubular rotating barrel assembly complete with a three sided chamfered hood casing formed from galvanised sheet steel.

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/security purposes.

### Standard details for Firetex 60 CDO:

- **Manufacturer:** Gilgen Door Systems Ltd
- **Product Reference:** Firetex 60 CDO
- **Arrangement:** Face Fixed
- **Finish/Colour:** Manufacturers standard  
Polyester powder coat, BS 4800  
Polyester powder coat standard RAL colours
- **Frame/Guides:** 2.6mm thick galvanized steel side guides  
4 > 6mm thick, mild steel BZP steel end plate anchor  
Brackets
- **Operation/Fire Activation:** Manufacturer's standard  
Electro mechanical solenoid units with fully automatic reset  
Firegard alarm interface panel  
Firegard E: High level control panel  
Firegard E: Low level control panel  
Local heat detection
- **Control:** Manufacturer's standard  
Low level sprung loaded key switch
- **Safety:** Manufacturer's standard  
In addition to standard – for use with operation type b-d above – safety infrared photocell
- **Accessories**  
Not required  
Removable motor cover  
Optional to the standard head casing cover

## **Guidance for Gilgen Firetex 60 -1hour CDO – Fire Resistant Vertical Steel Shutter**

### **As standard**

#### **Weight of whole door assembly (static load)**

30kgs/m<sup>2</sup>.

### **Performance**

- Environmental ingress protection level (motor & controls): No performance determined – use in dry, dust free environments only.
- Motor Drive duty rating: Class S3 – 30%.
- Fire resistance in accordance with BS 476-22: 1 hour.
- Fire performance to DIN 4102: Door section element materials Class A2 (non-flammable). CE Marked with manufacturer's declaration of conformity.

### **Arrangement**

Face fixed.

### **Shutter curtain**

Solid, 75 mm concaved, single skinned, galvanised, cold rolled steel.

### **Finish as delivered**

Self-coloured, hot dipped zinc coated steel, type G275 coating, grade Z2 bending and profiling quality.

### **Operation**

Electrically operated by means of a 1 phase - 240 volt motor unit c/w an integral manual controlled descent system (CDO) for use in the event of manual operation and automatic fire activation by means of an electro – mechanical solenoid unit with a secondary failsafe heat activated fusible link. The drive unit is mounted external to the drive barrel and head hood casing.

### **Mains power required**

1 phase, neutral & earth 240 volt ac 10 amp terminating in a suitable isolator to suit the environment. This should be positioned on the motor side of the door and within 1 m of the opening and at high level adjacent to the motor drive unit, unless otherwise agreed.

### **Control**

Pre-wired low level push button station with open, close and emergency stop functions.

### **Fire activation Systems**

Auto reset solenoid unit with manual test & reset cables and secondary gravity fail safe fusible link.

### **Safety options**

Impulse or remote fire activation; additional photo cell safety beam with Firegard E control system Audible/ visual/ voice warning devices.

### **Options**

#### **Dimensions**

- Maximum area: 5m<sup>2</sup>.
- Width x height (maximum): 3350 x 2000mm.

### **Finish**

Optional polyester powder coat finish can be supplied to the whole or part of the door assemblies.

### **Colour (polyester powder coated finish)**

Many RAL or BS 4800 none metallic ranges are available as standard - other colours can be provided.

### **Fire activation Systems**

A comprehensive range of fire activation systems with auxiliary audible/ visual and safety devices are available to accommodate a range of fire strategies, including but not limited to local heat detection, electro mechanical solenoid units for linking to the main building fire alarm with either manual reset and test cables or fully automatic electrical reset function, optional Firegard interface panels with fault monitoring, LED status lights, key switch fire test facilities, automatic power detection for either power driven or manual controlled descent closure with options for delayed activation with two stage closing sequence.

### **Safety Options**

#### **Standard**

Impulse / or remote fire activation, additional photo cell safety beam with Firegard E control system., Dead man operation and gravity failsafe closing on mains failure

In addition to standard - Time delay closing with either fire interface panel or Firegard E control system

In addition to standard - Time delay closing and two stage closing with Firegard E control system

In addition to standard - additional photo cell safety beam with Firegard E control system Audible / visual/ voice warning devices.

### **Ironmongery**

It is not normal practice to supply secondary locking devices on life safety equipment.