

NBS Specification

Gilgen Firetex 60 Tubular Motor – 1 Hour Fire Resistant Vertical 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 and the additional benefit of a concealed electric motor drive system 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.

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 galvanized steel scroll lath curtain, galvanised 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 20 swg galvanised sheet steel.

Standard details for Gilgen Firetex 60 Tubular Motor:

- Manufacturer: Gilgen Door Systems Ltd
- Product: Firetex 60 Tubular Motor
- Arrangement: Face fixed
- Finish/Colour: Manufacturer's standard
Polyester powder coat BS4800
Polyester powder coat, standard RAL colours
- Operation/Fire: Manufacturer's standard
- Activation: Local heat detection
- Frame/Guides: 2.6mm thick galvanised steel side guides
4 > 6mm thick, mild steel BZP steel end plate anchor brackets
- Accessories: Not required
Removable motor cover – Optional to the standard head casing cover
Secondary, key operated lath locks

Guidance

As standard:

Weight of whole door assembly (static load)

30 kgs/m².

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 vertical roller shutter.

Shutter curtain

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

Operation

Power operation of the door is provided by a 230 v1ph tubular motor, which is discreetly fitted within the door roller-barrel. The system also comprises a control panel combining an un-interruptible power supply and the operation interface for normal and fire operation. 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.

Fire Activation Systems

On receipt of the fire signal, the control panel will send a signal to close the door under power. During fire operation the key switch or rocker switch are isolated to ensure closure of the door cannot be inhibited. Central to the operation is the fact that power for the system is maintained even in the event of mains failure. System power is ensured by the integral back up power circuit that incorporates sealed batteries and a trickle charger. Should mains power fail during fire operation there is sufficient system power to close the door. The control panel is provided with diagnostic LEDs mounted on the front of the enclosure. These indicate 'Mains operation', 'Battery operation' and 'Fault', for example if the battery power is low.

Finish as delivered

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

Options

Dimensions

Any door size can be accommodated up to a maximum of 5 m².

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

Colour (for polyester powder coated finish)

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

Operation

A comprehensive range of fire activation systems with auxiliary audible/ visual and safety devices are available to accommodate a range of fire strategies.

Normal (standard)

The door can be opened and closed for security purposes using a key switch or rocker switch.

System Requirements:

- A suitable fire signal.
- A 230v 1ph 6amp fused spur for mains power.

Fire

The control panel is designed to accept any of the following fire signals:

- Normally open, volt free 'clean' contact, which closes on alarm.
- Normally closed, volt free 'clean' contact, which opens on alarm.
- 24 v DC supply that is provided in alarm condition.
- 24 v DC supply that is interrupted in alarm condition.

Ironmongery

It is not normal practice to supply secondary locking devices on life safety equipment. However, secondary key operated lath locks can be supplied, if particularly required for additional security.