

## FIRE ROLLER SHUTTER Controlled Descent

### TECHNICAL SPECIFICATION SHEET

The Fitzpatrick Fire Rated Roller Shutter has been independently tested to BS 476, this covers all relevant criteria for fire performance. The independent Testing Laboratories have size limitations on their test furnaces and accordingly, a full range of assessments are available as standard for shutters up to 7 metres square. Clients can be confident that Fitzpatrick fire products satisfy all necessary conditions and approvals. Certification on project assessments is available for larger shutters and projects.

Independently tested to  
BS476 parts 22

Up to 4 hours fire rating

Sizes up to 7x7 metres

Solenoid connection to alarm  
monitoring system

Controlled decent

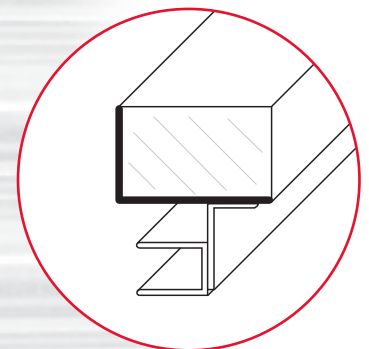
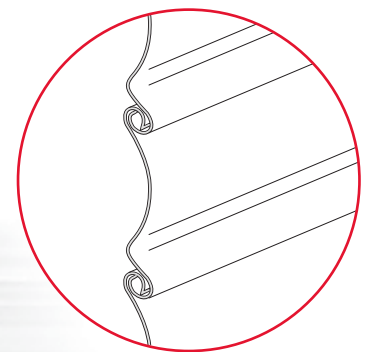
Contract assessments available

Galvanised curtain

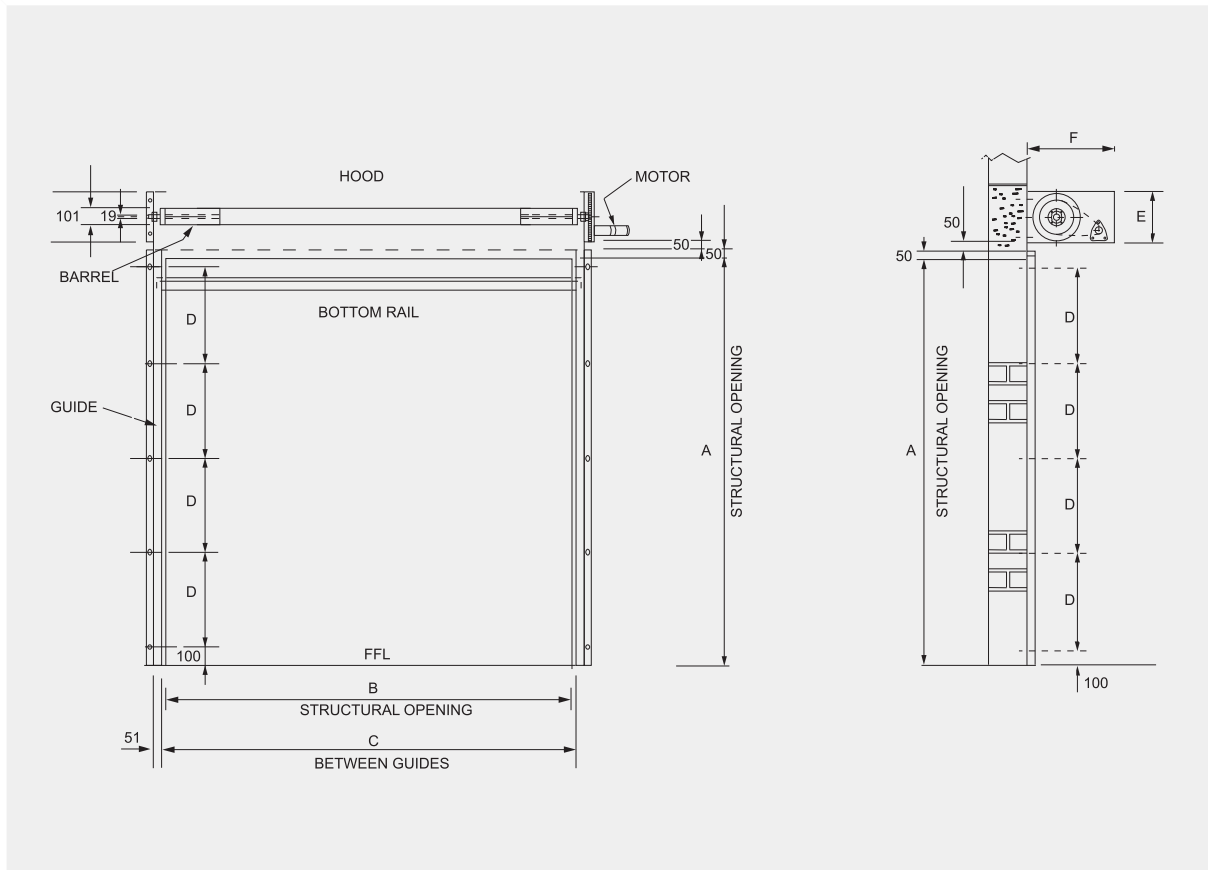
Powder coating option



75mm Galvanised  
Scrolled Lath



Typical Guide  
Section



**Curtain**

Constructed from galvanised cold rolled interlocking sections of suitable gauge, each alternate lath is fitted with a malleable steel endlock to prevent lateral movement.

**Bottom Rail**

The base of the curtain is fitted with a reinforcing rail of adequate size forming an inverted 'T'.

**Side Guides**

Formed from cold rolled mild steel channel sections secured to the opening structure by continuous mild steel fixing angles.

**Roller Assembly**

Constructed from mild steel tube, mounted on bright steel shafts running in bearings, reduction drive gearing is by chain drive to suit the size of opening.

**Endplates**

The Roller Assembly is supported by mild steel endplates with mounting angles for fixing to the support structure. On one endplate steel gears or chain drive are provided when applicable to provide drive to the barrel.

**Hood**

Formed from galvanised pressed steel sheet to enclose the rear of the shutter barrel and curtain assembly.

**Electric Operation**

Consists of a totally enclosed reduction geared motor, to suit size of shutter. Standard voltage is 415 volt 3 phase 50 Hz, or 250 volt single phase. The motor is equipped with an electromagnetic brake and limit switches. An emergency handchain is provided for use in the event of power failure.

**Automatic Closing**

Shutters are supplied with a fusible link which is designed to close the shutter automatically when local temperature exceeds 68 degrees centigrade. A thermoelectric quartzoid bulb - can be provided which works in a similar principal to a fusible link but can also be wired into a fire alarm system (24 volts D.C.), upon receipt of a signal the bulb breaks thus closing the shutter.

**Solenoid Release**

Various arrangements are available, which when energised or de-energised allow the shutter to self close normally working on a 24 volt D.C. circuit, further details are available on request.

**Finish**

All parts not galvanised are painted in one coat of protective primer.

**Options**

Plastisol Finish on one face Curtain to a range of standard colours.

Shutters can be finished in PPC. to BS or RAL standard colours.

Battery back-up system connected directly to the fire alarm system.