



**FIREFLEX R**  
**RADIATION SHIELDING FIRE ROLLER SHUTTER - DATA SHEET**

TEST: LPC TE88517 / BRE 220737

INTEGRITY: 240 minutes

IRRADIANCE: 2.7kW/m<sup>2</sup>

MAXIMUM SURFACE AREA: 50m<sup>2</sup>

**SHUTTER CURTAIN**

Manufactured from pre-galvanised material, designed to provide a hollow section panel with fibre infill. Each section is 100mm profile with twin ribbed face for rigidity.

The curtain, when assembled is held in position with purposely designed end fittings, which act as a curtain alignment system. The bottom panel of the shutter is terminated with a galvanised steel plate with horizontal and vertical slots

**BARREL**

Manufactured from seamless mild steel tube to BS4760 Grade 50C. Maximum barrel deflection measured at 1:400, fitted with precision-machined BDMS axles to BS970 EN33 with end fitted plate wheel.

**MAIN SUPPORT BRACKETS**

Main support plates for the barrel and motor unit manufactured from mild steel. Support plates to BS 4360/43A with perimeter welded angles and structure support angles.

**VERTICAL SIDE GUIDES**

Formed from pre-galvanised material having a minimum thickness of 2.5mm. The door guide is designed to allow reduced working face and tapered inner faces to provide automatic interlock/retaining feature.

**OPERATION**

The door is arranged for an electric motor unit with fusible link or solenoid release unit complete with built on starter.

**Fireflex is an insulated curtain which is able to keep its unexposed face surface radiation below 20kW/m<sup>2</sup> when applied to the time temperature curve of BS 476 Part 20: 1987**

**SOUND REDUCTION**

The Fireflex roller shutter has a weighted sound reduction value of 18dB (BS 5821 Part 3: 1984).

**Technical information**  
**Certification**

**CE Mark** (Declaration of conformity)

**Type Approval** (Chiltern Dynamics - UKAS approved test laboratory)

**Mechanical Aspects** EN12604, Safety in use of power operated doors

**Side guide protection** EN 12604: 2000 4.5.1 and EN 12453: 2000 5.1.1.3

**Protection** Against crushing, shearing or drawing in

**Electrical Safety** Depending on the use

**Water Tightness** EN 12489

**Resistance to Wind Load** EN 12444

**Thermal resistance** EN 12428

**Air permeability** EN 12427

**Opto Safety Edge Self Monitoring** EN 12453 - 5.1.1.5

**Anti fall back device** EN 12453 - 5.1.1.5

**Installation Instructions** EN 12635: 2002 4.1.1.1

**Durability of Mechanical Performance** EN 12635: 2002 4.1.1.1

**Fire Test** BS476: Part 22: 1987

