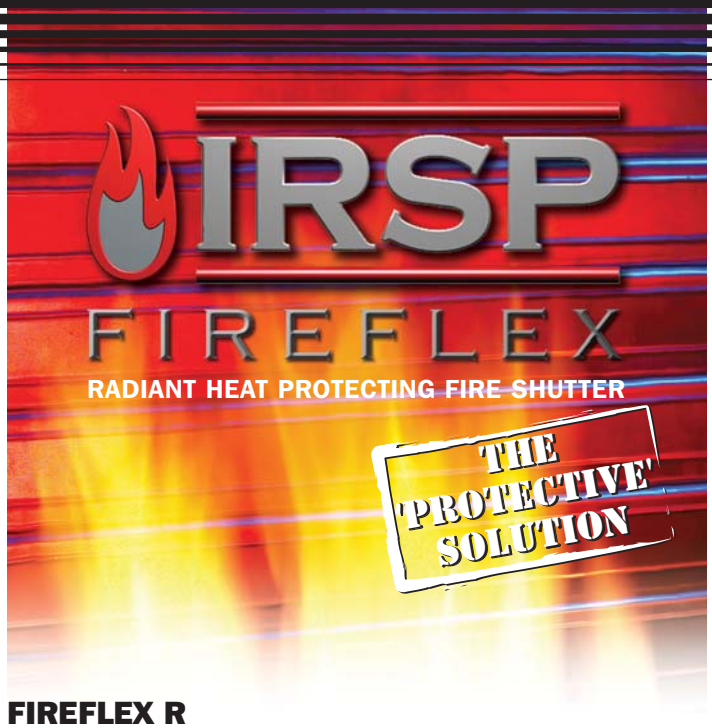


FIREFLEX R

RADIATION SHIELDING FIRE ROLLER SHUTTER - DATA SHEET

TEST: LPC TE88517 / BRE 220737

INTEGRITY: 240 minutes

IRRADIANCE: 2.7kW/m^2

MAXIMUM SURFACE AREA: 50m^2

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^2 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

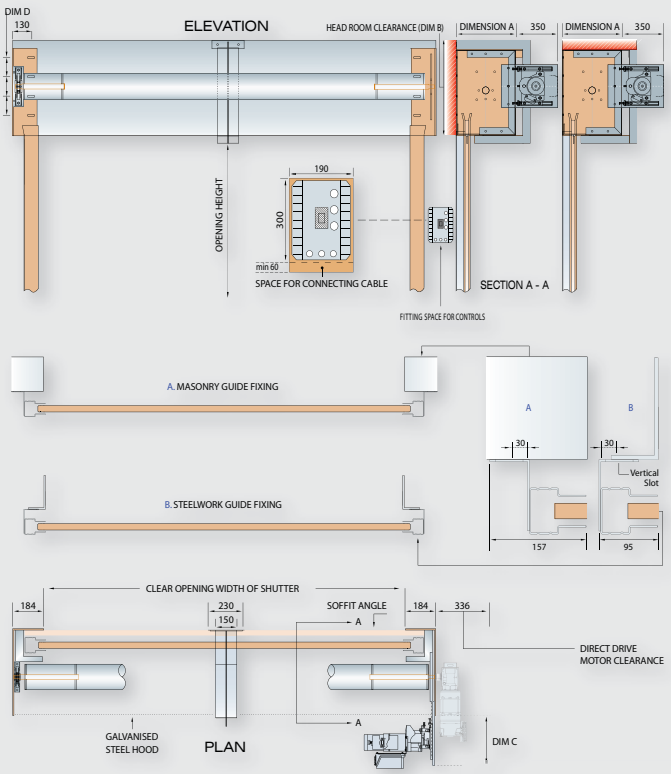
Opto Safety Edge Self Monitoring EN 12453 - 5.1.1.5

Anti fall back device EN 12453 - 5.1.1.5

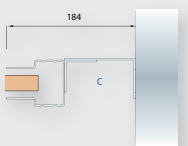
Installation Instructions EN 12635: 2002 4.1.1.1

Durability of Mechanical Performance EN 12635: 2002 4.1.1.1

Fire Test BS476: Part 22: 1987



WIDTH	HEIGHT	DIM A	DIM B	DIM C
2500	2500	450	595	350
3000	3000	500	645	350
4000	4000	500	645	350
5000	5000	550	695	350
6000	6000	600	745	350
7000	7000	650	795	350



Motor Controlled Desent

Direct Drive Power to Close

All Dimensions in mm

Manufactured by

IRSP

A Division of P&D Group Services Ltd