



**FIREFLEX-S
FIRE ROLLER SHUTTER - DATA SHEET**

TEST: BRE Test report number 220737

ASSESSMENT: Assessment report number CC 224355

INTEGRITY: 240 minutes

SHUTTER CURTAIN

Manufactured from pre-galvanized material, 75mm curved lath. 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 galvanized steel angle 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-galvanized 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, or direct drive maintained power.

Technical information

Certification

CE Mark (Declaration of conformity)

Type Approval (Chiltern Dynamics - UKAS approved test laboratory)

Testing Laboratory (BRE Testing – UKAS approved test laboratory)

Compliant with Part 1 BS EN 13241-1: 2003

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

Fire Resistance test B.S.476 : Part 22 : 1987

Integrity 241 minutes (4 hours)

Air permeability EN 12427

Gravity and self-closing 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

