

ELECTRICAL OPERATED INSULATED ROLLER SHUTTER

TECHNICAL SPECIFICATION SHEET

The Fitzpatrick Electrically Operated Insulated Roller Shutter has been designed and manufactured to a high specification to give optimum insulation value, each guide channel is fitted with nylon brush seals to both sides of the carrier and rubber seals to the bottom of the door.

The inner and outer skin of the lath has high density polyurethane between the profile of the section and a secure interlock between each lath. The shutter can be supplied in galvanised finish or plastisol in a range of standard colours. Viewing through the lath section can be provided by an acrylic double glazed unit to be located to the client's requirement.

Insulation value of 1.21w m.sq

Sound reduction of 28db at 1khz

Direct drive power operation

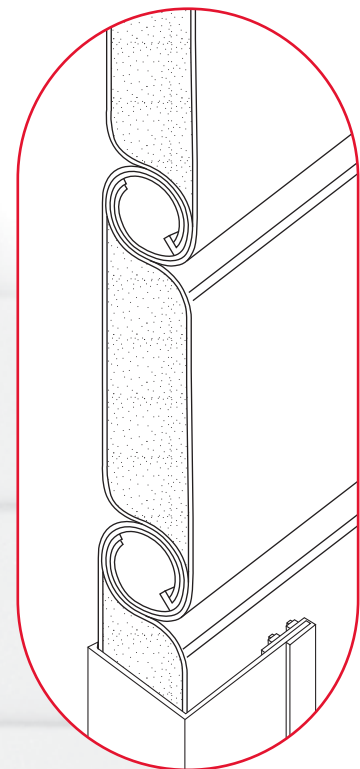
Available with vision panels

Guides fitted with brush seals

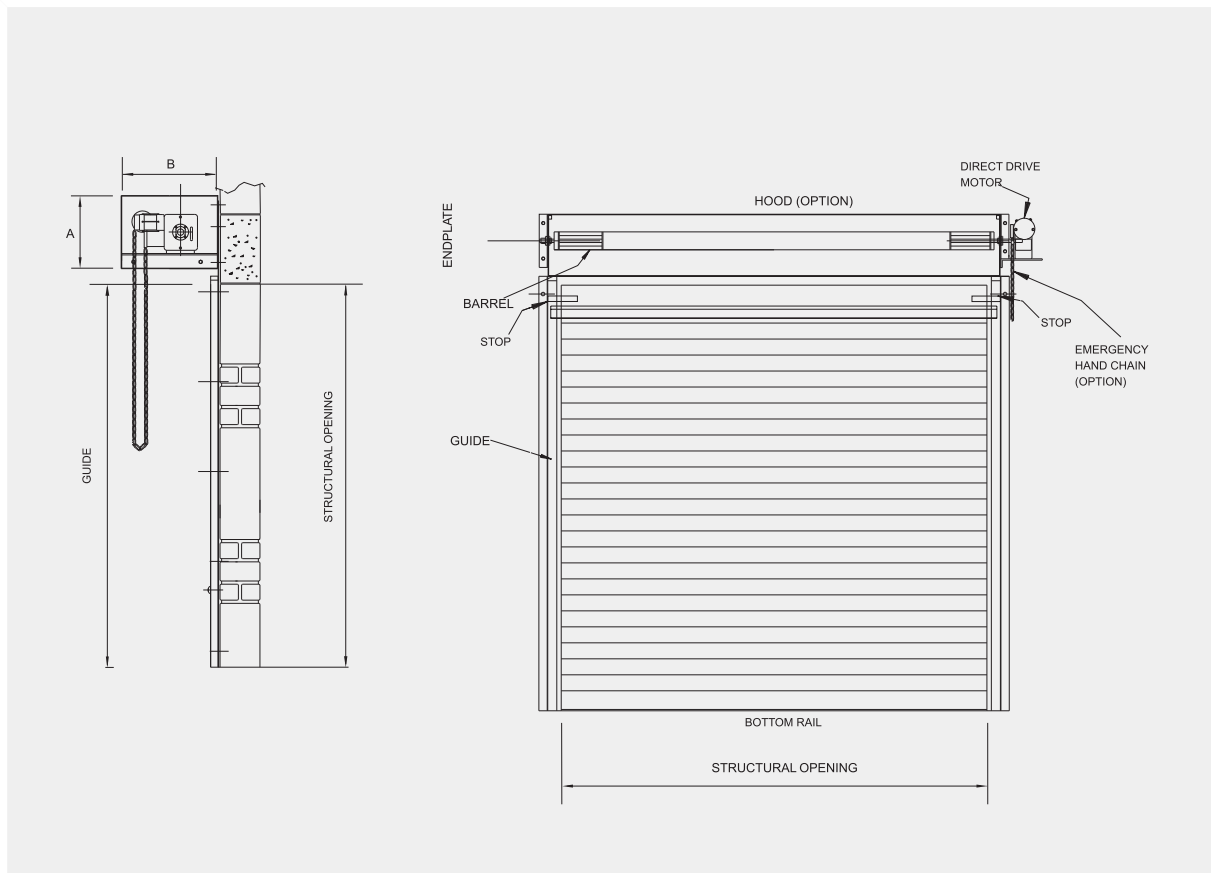
EPDM rubber seal to bottom section

Galvanised curtain

Plastisol finish available on curtain



Typical Section



Curtain

Constructed from galvanised cold rolled interlocking sections of suitable gauge, each alternate lath is fitted with an endlock to prevent lateral movement. The insulation value of this curtain is 1.21 w.m.sq with a sound reduction of 28db at 1kHz.

Bottom Rail

The base of the curtain is fitted with a weather seal of EPPDM rubber.

Side Guides

Formed from cold rolled mild steel channel sections secured to the opening structure by continuous mild steel fixing angles. Guides are complete with brush seals.

Roller Assembly

Constructed from mild steel tube, mounted on bright steel shafts running in bearings.

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 (optional extra)

Formed from galvanized pressed 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. The motor is equipped with an electromagnetic brake and limit switches. An emergency handchain is provided for use in the event of power failure.

Finish

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

Option

Plastisol Finish in a range of standard colours to one or both faces of the curtain can be provided.