

INSUFLEX INSULATED ROLLER SHUTTERS - DATA SHEET

SHUTTER CURTAIN

Constructed from pre-galvanised material, designed to provide a hollow section panel with CFC and HCFC free thermal infill. Each panel section is 100mm deep with twin-ribbed face for rigidity.

END LOCKS

The curtain, when assembled is held in position with purposely-designed injection moulded end fittings, manufactured from hardwearing nylon-6.

BOTTOM SEAL

The bottom panel of the shutter is terminated with a purpose designed yellow plastic extrusion complete with interlocking (EPDM) rubber weather seal.

BARREL

Manufactured from seamless mild steel tube to BS4760 Grade 50C. Size to suit door width and height. Maximum barrel deflection 1:400. Fitted with precision-machined BDMS axles to BS970 EN33.

MAIN SUPPORT BRACKETS

The main support brackets for the barrel and motor unit are manufactured from mild steel plates of varying thickness and incorporate the necessary fixing positions for securing back to the opening structure.

VERTICAL SIDE GUIDES

Formed from pre-galvanised material having a minimum thickness of 2.5mm incorporating twin vertical brushes on both inner and outer face of the guide. Brush carrier is constructed from PVC of medium impact strength, finished black and incorporating twin siliconised polypropylene weather strips, these running the full height of the door guide. The guide form is designed to allow reduced working faces and tapered inner faces to provide automatic interlocking/retaining feature for performance under wind load. Complete with continuous 100 x 65 galvanised fixing angle.

OPERATION

The door is arranged for an electric motor unit with manual hand hoisting and lowering facility. The motor unit is complete with an in-built safety drive system. Operating voltage 400V 3 phase IP54 protection 60% duty cycle maintenance free and TUV tested, complying with all current European safety standards. Opening speed 220mm per second. U value 1.4 W/M²

SOUND REDUCTION/THERMAL INSULATION

The Insuflex roller shutter has a weighted sound reduction value of 18dB (BS 5821 Part 3: 1984) and an insulation value of 1.4 W/M²

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

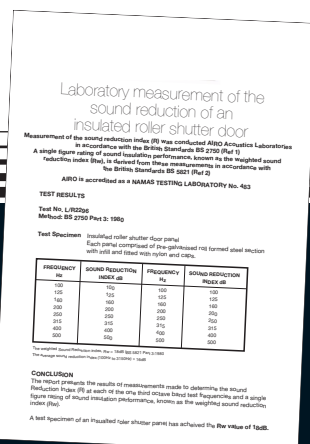
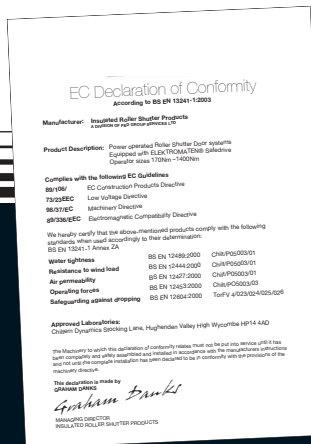
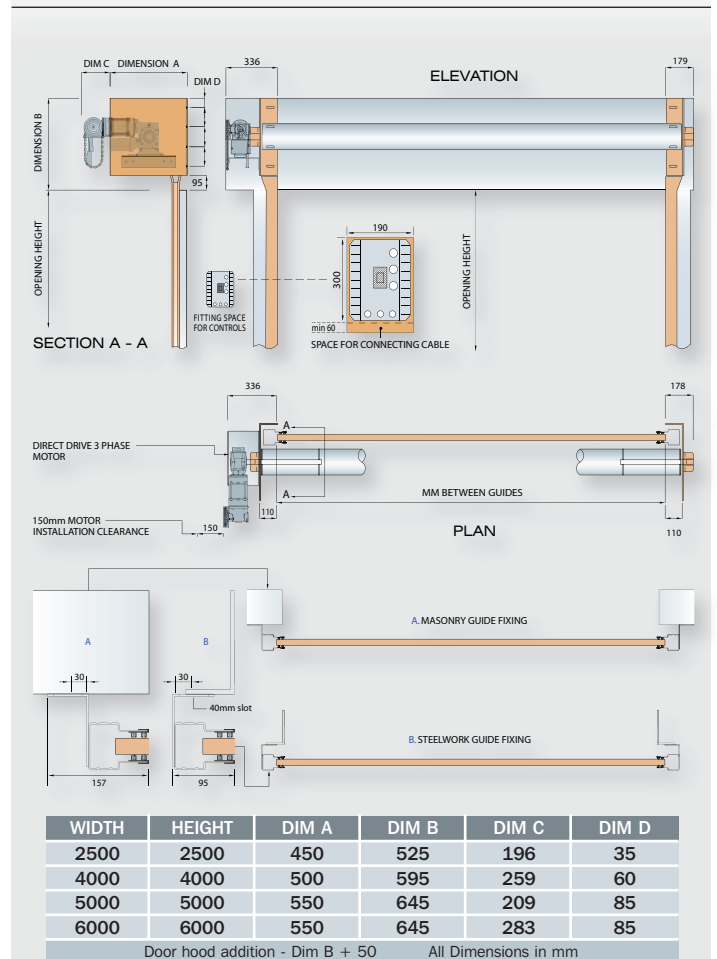
Opto Safety Edge Self Monitoring EN 12453 - 5.1.1.5

Closing Forces (Auto close only) 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



Manufactured by

