



STEELFLEX UN-INSULATED ROLLER SHUTTER - DATA SHEET

SHUTTER CURTAIN

Constructed from interlocking pre-galvanised scrolled steel lath. Each alternate lath being complete with pressed steel endlock securely riveted at either end. The curtain would also be complete with a standard pre-galvanised 'T' bottom section with interlocking (EPDM) rubber seal.

VERTICAL SIDE GUIDES

Cold rolled formed steel channels manufactured from 2mm gauge Z2. Pre-galvanised steel to BS 2989: 1982, welded to 100mm x 65mm x 3mm galvanised support angles. Incorporating twin vertical brushes on both inner and outer faces of the guide. The guide profile is designed to allow reduced working faces and tapered inner faces to provide automatic interlocking/retaining when fitted with wind end locks for performance under wind load. Complete with continuous 100 x 65 galvanised fixing angle.

BARREL

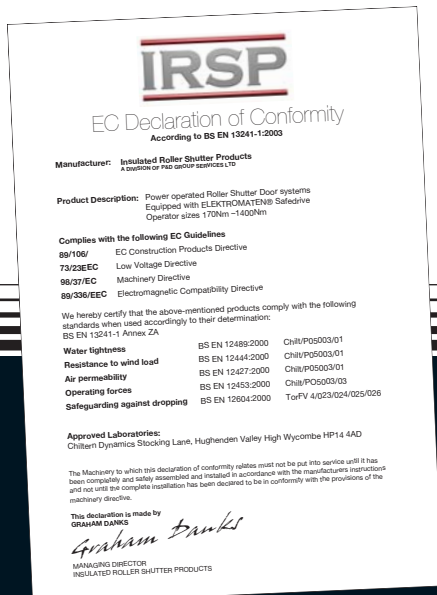
Manufactured from seamless mild steel tube to BS 4760 Grade 50C. Gauge to suit door width and height. Maximum barrel deflection 1:400. Fitted with precision machined BDMS axles to BS 970 EN933.

MAIN SUPPORT BRACKETS

Fabricated from mild steel plates complete with angle support brackets to BS 4360/43A. Size and gauge dependant upon door size and weight incorporating support bearings.

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



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

Air permeability EN 12427

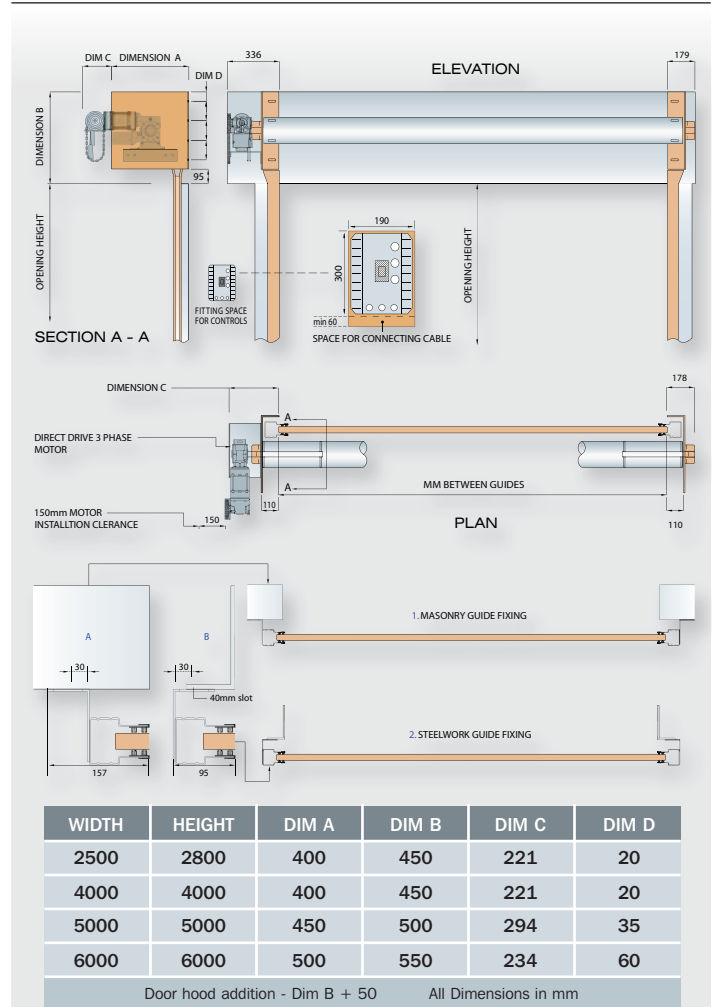
Opto Safety Edge Self Monitoring EN 12453 - 5.1.1.5

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

IRSP