

## Insulated Lath Roller Shutter

Insulated roller shutter doors are suitable for internal and external openings in a wide range of applications such as warehouses, industrial units, garages, workshops, spray booths, bus depots, agricultural buildings etc. The doors provide insulation whilst retaining the standard roller shutter drive system, which is easy to install and maintain.

### Conserve heat and reduce noise

The design of the insulated lath complete with the CFC free polystyrene infills help to maintain a comfortable working environment by ensuring heat leaving the building is kept to a minimum and also acts as a barrier to prevent cold air entering the building. Giving a "U" value of 0.69w/m<sup>2</sup>k and an acoustic value of 18dBA.

### Operation

As standard, all doors are supplied with a 3 phase foot mounted direct drive electrically operated motor with a hand chain facility, supplied complete with a separate starter unit incorporating up, down and stop buttons dependent on size with larger doors having a sprocket and chain driven system.

### Low Maintenance

The design characteristics of the insulated roller shutter door ensure that it is virtually maintenance free. In the event of accidental damage the unique twin skinned design enables a quick and easy repair. The insulated roller shutter door combines an aesthetically pleasing appearance with energy efficiency, robust construction and reliability, all at a very competitive price.

### Electrical requirements

A three-phase neutral and earth power supply is required within a fused isolator within approximately 1000mm of the opening requiring a 16amp, 5-pin plug.

### Fixing requirements

The doors require a minimum 50mm face to fit the support angles to, with 140mm side room required at the plain end and 380mm side room required at the motor end. This can be reduced to 140mm at each end with an in-board motor facility in the event of limited space.

## Optional Extras

### Vision panels

Single or multiple clear polycarbonate vision panels complete with rubber seals can be fitted with the insulated lath sections to enable vision through the door.

### Hood

The roller barrel assembly can be supplied with a galvanised steel cover to protect from weathering, this is recommended for any external shutter door. The cover is available in a powder-coated finish to any standard RAL or BS colour or in a plastisol finish. Needed when the openings are subject to heavy and constant traffic.

### Motor cover

The three-phase electric motor can also be supplied with a galvanised steel cover to protect it from weathering. This cover can be supplied with a solid cover or a hinged bottom section which enables easy access for the hand-chain assembly which can be used to open the door in the event of a power failure. The cover is available in a powder-coated finish to any standard RAL or BS colour or in a plastisol finish.



### Controls

A wide variety of electrical and automatic control systems are available. Key switches, external control buttons, induction loops, radars, radio control etc.

### Safety features

An optional safety edge can be fitted to the bottom seal carrier. If the safety edge strikes an object the shutter stops and immediately returns to the open position.

Photocell beams are also available, if the beam is broken by traffic through the opening the shutter stops and returns to the open position.

### Colour finishes

The curtain is available in a range of finishes including, galvanised, plastisol or aluminium. The curtain can be powder coated to any standard RAL or BS number which may also be applied to other components of the door i.e, guides, bottom rail, barrel and motor cover. The standard plastisol finishes available are: White, Ocean Blue, Solent Blue, Poppy Red, Goosewing Grey, Vandyke Brown, and Aztec Yellow with other colours available on request.

### High speed insulated shutters

The insulated doors can be supplied with a high-speed motor to provide faster opening and closing times, which is sometimes needed when the openings are subject to heavy and constant traffic.