

## Delta Check 1000 Electric Operation Fire Roller Shutter

### Product Data Sheet 15 / 1

#### Product Description

The Delta Check 1000 Electric Operation Fire Roller Shutter Door is 4 hour rated and fully certified and approved by the Loss Prevention Council (LPC) in accordance with Test Report No.84510. The Delta Check 1000 can be installed in accordance with BS476 part 22 section 8.

The curtain is for face fitted construction and meets the highest possible standards.

To achieve the full 4-hour fire rating the door must be fitted to masonry using proprietary fixings. The door can be supplied and fitted to steel frames but the fire rating of the door is reduced to 2 hours. The steel frame must comply with current building regulations concerning structures subject to fire wall conditions.

#### Barrel

Barrels are constructed of an ERW tubular hollow section, which comprises of a wall thickness to stop deflection (dependant on width). The barrel is then fitted with bobbins and mounted onto a 25mm bright steel shaft.

#### End Plates

End plates are constructed of a 5mm galvanised steel plate and are cleared to suit a fire canopy and fascia. Endplates are also slotted for fire expansion.



Door installed to masonry wall prior to fire testing. Note all of the trace cables attached to the curtain and door structure to fully test the door and ensure complete compliance.

#### Door Guides

Guides are constructed from 63mm galvanised guide channel sections. These are then attached to a supporting structural galvanised angle with slotted wall fixings for fire expansion.

#### Curtain

Shutter curtains are constructed from 75mm curved rolled 22 SWG/20 SWG galvanised lath, which are continuously interlocked and secured with steel end locks

#### Bottom Rail

The bottom rail is constructed of a twin angle arrangement complete with quirk strip.

#### Canopy and fascia

Canopy and fascias are constructed from 1.5mm gauge galvanised sheet steel, which are pre formed and slotted for fire expansion.

## Fire Activation Device

Dependent on the size of the shutter it will be equipped with either a single phase 240V motor or three phase 415V motor. Each type is equipped with several methods of operation. The motor is fitted with a 24VDC solenoid. The motor requires a 240V 16A supply from either a fused spur or socket or a 415V 16A supply with earth and neutral.

If an auto reset solenoid is connected to the fire alarm, the alarm must provide the solenoid (when activated) with a 24VDC 0.5amp signal. The solenoid when activated, declutches the motor allowing the door to close under controlled descent.

Alternatively an optional fusible link (set at 68-72 Degrees Celsius) can be fitted which will melt, activate the solenoid and close the door.

In either case the door will fully close and will remain closed until the solenoid is deactivated. If the alarm has activated the solenoid the alarm must be turned off before the solenoid will deactivate. If the fusible link activated the solenoid the link will need replacing.

The solenoid is deactivated by pressing the up button on the three button station mounted at low level. The solenoid can also be reset by pulling the reset cable ring mounted to the side of the door.

## Testing

The door can be tested by simply pulling the brake release on the back of the motor. A chain is fitted to the door to manually raise the door or simply press the up button if an auto reset solenoid is fitted.

## Finish

Shutters can be Powder Coated to a range of standard BS/RAL colours.



## Optional Extras

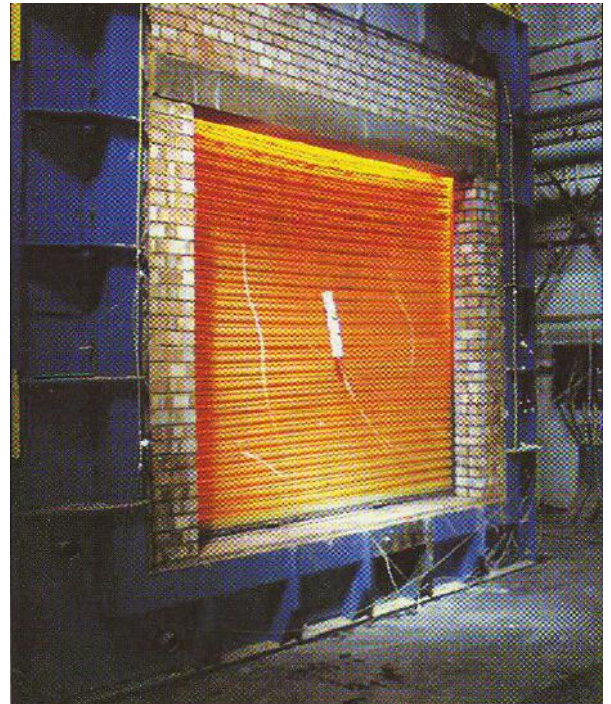
The shutter can be supplied with a Fire Control Panel, which has a visual/audible alarm, timer mechanism and battery backup incorporated. The Fire Control Panel functions by accepting the signal from the fire alarm, this activates the audible/visual alarm and holds the signal to close the door for the preset period determined at the installation stage. Once the signal is released the door will fall under controlled descent until final closing. Please consult Enerco for any specific requirements.

Other products in the Delta range from Enerco include: -

- Delta Guard – Commercial Shutters
- Delta Roll – Steel Roller Shutter Doors
- Delta Speed – High Speed Doors
- Delta Secure – High Speed Security Doors
- Delta Slide – Insulated Overhead Doors
- Delta Insudoor – Insulated Roller Shutters
- Delta Part – High Speed Bi – Parting Doors
- Delta Strip – Strip Curtains
- Delta Steel – Steel Security Door Sets
- Delta Fold – Steel Sliding Folding Shutters
- Delta Level – Dock Levellers
- Delta Lift – Scissor Lifts
- Delta Seal – Dock Sealing Systems
- Delta Shield – Perimeter Security
- Delta Bar – Window Bars
- Delta Grille – Retractable Window Grilles
- Delta Service – Service and Repairs
- Delta Load – Loading Bay Accessories
- Delta Garage – Garage Doors

Please contact our sales team for more information on 01525 289322 or a brochure. Alternatively visit our web site [www.enerco.co.uk](http://www.enerco.co.uk)

We reserve the right to change the specification without prior notification or alteration of the product data sheet.



Door being subjected to stringent fire test for four hours