

## NBS Specification

### Gilgen Rolegard - High Security Shutter Range SR4-SSHD-DD. Certified to LPS 1175 issue 7, level 4 and approved to Secured by Design Standards

Gilgen heavy duty, steel vertical rolling shutter doors, with enhanced levels of tested security resistance. Heavy duty single skin curtain with reinforced core driven through direct drive motor. This product provides compliance with Insurance and Police Preferred 'Secured by Design' Standards.

SR4 incorporates a very high level of security to help protect against experienced attempts of forced entry. Suitable for applications with three phase mains power supply that require heavy duty operation. Manual override is via a low level hand chain. Typical applications include industrial premises which may require medium to heavy usage for example vehicle access doors. The doors comply with BS EN 13241-1

- **Manufacturer:** Gilgen Door Systems Ltd, Securiparc House, Wimsey Way, Alfreton.DE55 4LS Tel. 01773 526200 website; www.gilgendoorsystems.co.uk email; sales@gilgends.com
- **Product Reference:** Rolegard high security SR4-SSHD-DD
- **Size:** Width 2m - 8m (max)  
Height 2m - 8m (max)  
Door area = 27.5m<sup>2</sup> (max)
- **Security rating** LPS 1175 SR4 (issue 7) and Secured by Design Approved
- **Arrangement:** Internal face fixed
- **Curtain:** Single skin heavy duty concave galvanised steel lath
- **Finish/Colour:** Manufacturers standard galvanised finish  
Polyester powder coating/BS4800  
Polyester powder coating/RAL
- **Frame/Guides:** Mild steel plate BZP coated.  
Galvanised heavy duty reinforced steel side guides
- **Operation:** Three phase; Direct drive (DD) motor c/w emergency hand chain
- **Control:** Manufacturers standard- low level control panel with push buttons
- **Safety:** Manufacturers standard- dead man  
Contact safety edge  
None contact safety beam  
None contact safety light curtain
- **Activation:** Internal digital keypad  
Infrared vehicle/person detection scanner  
Internal key switch  
Internal lockable push button  
Remote push button  
Remote radio control  
Door status monitoring controller  
Building Management System integration
- **Locking:** Manufacturer's standard; supplied complete with a pair of padlockable sprung loaded shoot bolts fitted to the inside bottom edge of the shutter c/w safety interlock switch  
Optional pair of 24 v DC automatic solenoid anti-jacking bolts c/w a monitored control system and battery back- up.

- Accessories: Galvanised three sided, sheet steel hood cover  
Galvanised sheet steel motor cover  
Weather seal to bottom edge of shutter

### Guidance

#### As standard

#### Features

Gilgen security shutters can be used on the outside or inside of facades as part of layered security or alternatively, as a stand-alone physical barrier.

### Operation

External direct drive three phase 415V AC and neutral supply

### Performance

- Security rating; Loss Prevention Standard 1175 Issue 7 Security Rating 4, meeting all the requirements defined in sections 3 and 4 of the Loss Prevention Certification Board test standard.
- Gilgen Door Systems understand that security risk ratings can be different for each application. The above SR ratings are provided for guidance purposes only and it is the responsibility of the specifier or customer to make the final interpretation and decision.
- Approved by Secured by Design – The UK official Police design initiative to reduce crime governed by The Association of Chief Police Officers
- Wind pressure; BS EN 12424- Class 5 – Beaufort 13, 93 mph, 1000N / m<sup>2</sup> (Hurricane)
- Fire performance; DIN 4102- Class A2 - door section element materials are non-flammable.
- Static load (weight of whole door assembly): approx 50 kgs/m<sup>2</sup>.
- Environmental Ingress protection level (motor & control): Three phase direct drive motor and controls IP54. Motor drive duty rating. Three phase motor duty rating Class S3 – 65%.

### Finish

The main exposed metal work structure and optional casings are mainly a galvanised self finish as standard, but optional polyester powder coat finish can be supplied to the whole or part of the door assemblies.

### Control

A comprehensive range of vehicle detectors, hand transmitters, receiver units, push-button controls, key switches, safety edges, photocells, signal lights and digital control units are also available as alternatives or in addition to the standard control units.

### Safety activation

- Manufacturers standard – dead man operation which requires the operator to apply constant pressure to the door operating device (key switch or push button) as per BSEN 12453 part 5.5.1
- Remote or automatic door controls - Minimum requirements, impact sensitive safety edge / non contact safety beam.

### Accessories

- Three sided head cover; this is available for applications which may require improved aesthetic appearance or protection from local environmental conditions.
- Removable motor cover; this is available to cover the exposed part of the drive motor which projects outside of the three sided head cover on the three phase design.
- Bottom edge seals; a rubber seal can be supplied to minimize gaps onto the floor. For applications which require a more substantial seal against water ingress, we would recommend a suitably designed structural threshold arrangement – please contact Gilgen for advice.