

NBS Specification

Gilgen Rolegard - High Security Shutter Range SR5-B-CD. Certified to LPS 1175 issue 7, level 5 and approved to Secured by Design Standards

Gilgen heavy duty steel vertical rolling shutter door incorporating enhanced levels of tested security resistance for mechanical and ballistic attack, with an inherent blast capability and ability to withstand hurricane level weather conditions. Heavy duty double curtain skin with reinforced core driven through direct drive motor. This product also provides compliance with Insurance and Police Preferred 'Secured by Design' Standards.

SR5 incorporates a very high level of security to help protect against experienced attempts of forced entry. Suitable for applications which require a three phase, mains power supply and 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 SR5 B (ballistic) –DSHD –CD
- **Size:** Width 2m - 8m (max)
Height 2m – 10m (max)
Door area = 64m² (max)
- **Security rating** LPS 1175 SR 5 (issue 7) and Secured by Design Approved.
Ballistic rating- BSEN 1522:1999. FB3- standard + FB4 option
- **Arrangement:** Internal face fixed
- **Curtain:** Double skin heavy duty with reinforced core (smooth flat faced)
- **Finish/Colour:** Manufacturers standard galvanised finish (external faces only)
Paint /BS4800
Paint /RAL colour range
- **Frame/Guides:** Mild steel plate BZP coated.
Galvanised heavy duty reinforced steel side guides
- **Operation:** Three phase; Chain drive (CD) motor c/w separate safety break and manual override 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

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- Locking Automatic Self Locking system (ASL) which normally negates the need for any mechanical or electric locks
- 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 chain drive three phase 415V AC and neutral supply. Secondary safety break device

Performance

- Security rating; Loss Prevention Standard 1175 Issue 7 Security Rating 5, 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 / m² (Hurricane)
- Blast rated – up to 3kpa (conditions apply)
- Ballistic rating – BSEN 1522:1999 Windows, Door, Shutters and Blinds- Bullet Resistance, Requirements and Classification: Standard – FB3 (NS) No splinters, option FB4 (NS) No splinters – Includes a specification change to door profiles and cost surcharge.
- Static load (weight of whole door assembly): approx 100 > 170 kgs/m².
- Environmental Ingress protection level (motor & control): Three phase direct drive motor & 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 - Low voltage send and receive monitored safety light curtain consisting of multiple individual safety beams to detect an obstruction within any part of opening up to 2m high. Upon activation during door closing, the door will stop and return to the fully open position.

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.

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- 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.

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