

# NBS Specification

## Gilgen Kwikroll KR615 TR – Internal and External High Speed Vertical Rolling Fabric Doors

Gilgen Kwikroll is a range of high speed vertical rolling fabric doors for low security and internal or external applications. They are always supplied with power operation for automated use and are specifically designed for vehicle flow solutions to enable frequent use and minimize environmental exchange.

### Standard details for Kwikroll KR615 TR – High Speed Vertical Rolling Fabric Doors:

- **Manufacturer:** Gilgen Door Systems Ltd
- **Product Reference:** Kwikroll KR 615 TR
- **Size:** Width 6000mm (max)  
Height 5000mm (max)
- **Arrangement:** Face fixed  
Reveal fixed
- **Curtain:** Fully transparent 4mm thick
- **Colour:** Manufacturers standard – Transparent
- **Frame/Guides:** Manufacturers standard – self finished galvanised steel  
Brushed stainless steel V2 A  
Polyester powder coated galvanised steel, coated RAL ref
- **Operation:** Manufacturers standard geared motor with optional frequency-converter control  
2 push button (open/close)  
3 push button (open/stop/close)  
Induction loop  
Infrared movement and presence detector  
Mushroom button  
Pull switch with bracket arm  
Radar movement detector  
Radio remote control
- **Emergency Operation:** Manufacturers standard – high level hand crank  
Optional – Automatic opening via UPS during power failure
- **Safety Power Operation:** Standard – Contact safety edge & none contact safety beam  
Optional – Secondary post mounted none contact safety beam  
Optional – Stand off presence sensing devices – to detect the -  
Presence of pedestrians approaching door zone  
Optional – None contact light curtains
- **Outputs:** Traffic lights

## Guidance

### Standard

A fully transparent curtain which ensures safe transport routes and good visual contact from distance.

### Application

Normal traffic flow situations both inside and outside with maximum visual contact from afar (max size 6000mm wide x 5000 mm ht)

### Curtain thickness

- Fully transparent: 4.0 mm with RED safety stripes

### Speed (open – close) options

#### 0.8/0.8 m/s

- 1.0/0.5 m/s
- 1.5/0.8 m/s
- Max size restricted to 3500 mm wide x 3500 mm ht

### Wind protection

Aluminum wind protection profiles – DINEN 12424 – Class 3 (with two wind protectors – up to 60 Km/ h)

## Options

### Components

A selection of drive and control systems, flexible curtain fabrics and compositions are offered to suit different applications. Electric operation is with a range of motors and controls for both 240v single phase and 400v 3 phase supplies. A comprehensive range of vehicle detectors, hand transmitters, receiver units, push-button controls, key switches, photocells, signal lights and digital control units are also available as alternatives or in addition to the standard control units. Reliable operation and safety in use are of high priority with safety systems a both impact safety edges and secondary non contact safety beams supplied as standard on most models.

### Dimensions:

- Width (maximum): 6000 mm.
- Height (maximum): 5000 mm.

### Finish:

The main metal work structure and optional casings are normally a galvanised self finish, but optional polyester powder coat finishes and special stainless steel materials can be supplied.

### Emergency operation

Motor mounted emergency hand chain system

### Health & Safety: Pedestrian Usage of High speed doors

The HSE recommends an electro- sensitive device such as an additional post mounted photocell positioned no LESS than 0.9m and no greater than 1m away from the door line , to the front and rear of the door, with barriers between the door and the posts to prevent pedestrians entering the unprotected area other than through the safety beam. Alternatively active presence sensors can be used above the door head to provide threshold safety zones.