

## **ROLFLEX COMPACT-TYPE SECTIONAL DOOR**

The Compact door is an insulated industrial door where on opening, a patented universal rail system folds the door panels together directly above the doorway.

### **Door construction**

Sandwich panels 610 mm high and 40 mm thick reinforced by means of aluminium U-sections.

- Insulating material: hard polystyrene
- Internal and external lining: aluminium stucco, total thickness 0.8 mm
- Insulation value  $k = 0.76 \text{ W(m}^2\text{K)}$

### **Safety and standard EN 13 241-1**

The doors bear the CE mark and comply with the latest European standards and guidelines. **Standard safety features** include:

- Fall protection.
- Slack cable protection.
- Anti-lift protection.
- Steel cables with a safety factor of 6.
- Rails with finger protection guard + warning markings
- Water permeability class 2
- Air permeability class 2
- Sound reduction  $\pm 20 \text{ dB(A)}$

### **Standard wind classification without storm package for widths**

Up to 5000 mm	class 3
From 5000 mm to 6500 mm	class 2
Over 6500 mm	class 1

### **Standard wind classification with storm package for widths**

Up to 5000 mm	class 5
From 5000 mm to 6500 mm	class 3
Over 6500 mm	class 2

Doors over 6000 mm wide will automatically come with the storm package.

### **Sandwich panel colours**

The list of RAL colours to choose from for the inside and outside of the door is shown below:

- Standard colours (RAL): 3002 Carmine red  
5010 Gentian blue  
5017 Traffic blue  
6005 Moss green  
7016 Anthracite grey  
7032 Pebble grey  
9002 Grey white  
9006 White aluminium

### **Glazing**

Different glazing options are available:

#### **Full-vision glass panels**

Panels constructed using aluminium box profiles with section for the filling of your choice.

- Standard colours Anodised aluminium  
(RAL): 3002 Carmine red  
5010 Gentian blue  
5017 Traffic blue  
6005 Moss green  
7016 Anthracite grey  
7032 Pebble grey  
9002 Grey white

With full-vision glass panels, you have the following fillings to choose from:

- Double-glazed acrylate (17 mm)
- Double-glazed polycarbonate (17 mm)
- Single-glazed acrylate (4 mm)
- Single-glazed polycarbonate (4 mm)
- Single-glazed reinforced safety glass (4 mm)
- Galvanized casing with mesh measuring 50 x 50 mm (4 mm)
- Insulated sandwich insert panels (17 mm)

These will be fixed in the aluminium full-vision glass panels using plastic snap-in strips depending on the thickness of the fillings (4 mm or 17 mm).

Double-glazed snap-in windows:

Black plastic casing with double-glazed acrylate. Suitable for use in sandwich panels.

- Rectangular windows – 680 x 370 mm (w x h, external dimensions)
- Oval windows – 725 x 325 mm (w x h, external dimensions)

Insulation value;  $K = \pm 2.8 \text{ W/m}^2\text{K}$

### **Electrical operation**

Motor 400 V (3-phase,  $\pm 4$  amp; plug, 5-pole, 16 amp)

Speed 20 cm/s approx.

Unwind protection provided as standard, impermeability class IP54

Operating time 60%

Emergency manual operating facility provided in the form of a crank handle as standard

- 230 V (1-phase,  $\pm 4$  amp; standard plug)

Speed 15 cm/s approx.

Fall protection provided as standard, impermeability class IP54

Operating time 25% (up to a door weight of 155 kg max.)

Emergency manual operating facility provided in the form of a crank handle as standard

Control system

CS300 control system with digital limit switches. Control box with push buttons for up-stop-down.

Operating design options

- electrical operation with dead man's button (automatic opening, keep button pressed to close)
- electrical operation with object detection system and optical sensor (automatic opening and closing)

NOTE:

If space at the side is limited (< 320 mm), a top-mounted motor will be required

If space at the side is limited (< 320 mm) and there is also limited space above, a front-mounted motor will be required

Electrical options

- 400 V high-speed motor, 31 cm/s approx.
- motor in IP65 design (impermeability class)
- control system in IP65 design (impermeability class)
- motor with 100% operating time for high-frequency use
- emergency hand chain
- standard photocell with support
- remote controlled operation (receiver with handheld transmitter, 4-channel design)
- additional hand-held transmitter (4-channel design)
- key switch incl. 3 keys
- key switch with 3 buttons for up-stop-down, incl. 3 keys
- additional operating button
- cylinder lock for control box
- dock leveller protection
- pull switch
- radar
- warning lamp/stop light
- LED or LCD monitor for programming controls

**The universal system includes the following components as standard;**

- hinges made of stainless steel
- hot-dip galvanized rails, end caps, guide arms and fixings
- rubber seals
- cable break protection
- floor-mounted fall and anti-lift protection consoles
- fixings
- slack cable protection
- self-lubricating bearing rollers
- motor mount galvanized

Options

- powder coating of hardware for extra protection, in RAL 9006
- powder coating of rails in the RAL colour of your choice
- extended rails, raised assembly
- car wash package (stainless steel screws, improved water dispersion panels)

**Ventilation**

2 options available:

Ventilation panel 680 x 375 mm (w x h)

- Anodised aluminium
- Net air opening 850 m<sup>2</sup>

Ventilation panel 450 x 90 mm (w x h)

- Black plastic
- Net air opening 215 m<sup>2</sup>

**Locking**

Anti-lift protection provided as standard

**Wicket door**

- Net dimensions: 850 x 2100 mm approx. (w x h) from the floor
- Height of threshold is 235 mm approx.
- Protection provided by wicket door contact
- Cylinder lock fitted, with 3 keys
- Door spring
- Hung DIN left or DIN right as chosen by customer

Suitable for use up to a maximum door width of 5000 mm and a minimum door height of 2400 mm. On account of the bottom profile, an extra 50 mm of space is required at the top.

Options

- Panic lock
- KABA lock

**Wicket door with fixed insert panel**

A pass door with galvanized steel casing directly adjacent to the Compact door

- cylinder lock fitted, with 3 keys
- constructed using panels to match the Compact door
- sandwich panels above pass door installed up to the height of the Compact door as standard.
- door spring

**Other options:**

- protective cover for outdoor installations, colour powder coated up to a width of 5 metres max.
- storm package consisting of aluminium stiffening profiles between the panels and in the bottom panel. This is provided as standard for widths of over 6000 mm.