

Rolflex

*Manufacturer of the
Compact industrialdoor*

Rolflex Company profile
Quality Statement
Company Organization
and procedures

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1. Policy Statement

It is the policy of Rolflex to operate a quality system to ensure that the supply of the Compact Door to its customers conforms with their requirements and Rolflex specifications.

The company has developed its own in-house procedures. All functions are computer generated from the receipt of order to the selection of components for manufacture and checked ready for dispatch.

The company has a culture of safe working both in the factory and for the installation of its products on site.

This policy is implemented throughout the company for all its activities. All employees are responsible for the quality of their own work and encouraged to achieve high standards and meet the delivery programs of their clients and profit targets of the company.

The Chief Executive is ultimately responsible for the implementation of the policy with day to day running delegated to the commercial and production managers. It is the policy of the company to continue the development of its products, management systems and manufacturing techniques.

Rolflex fabricates the majority of the door components in its own factory with the exception of the motors, control boxes and other electrical accessories.

Approved by: Joost Megens
Chief Executive

January 2020



2. Company

2.1 Company History

Rolflex Nederland BV was formed in 1978.

The company specialized in the assembly and installation of roller shutter doors, sectional doors, dock shelters and loading bay systems. In the late 80's it was decided to develop individual products for its own account. Firstly a pneumatic dock-leveler was patented and distributed worldwide.

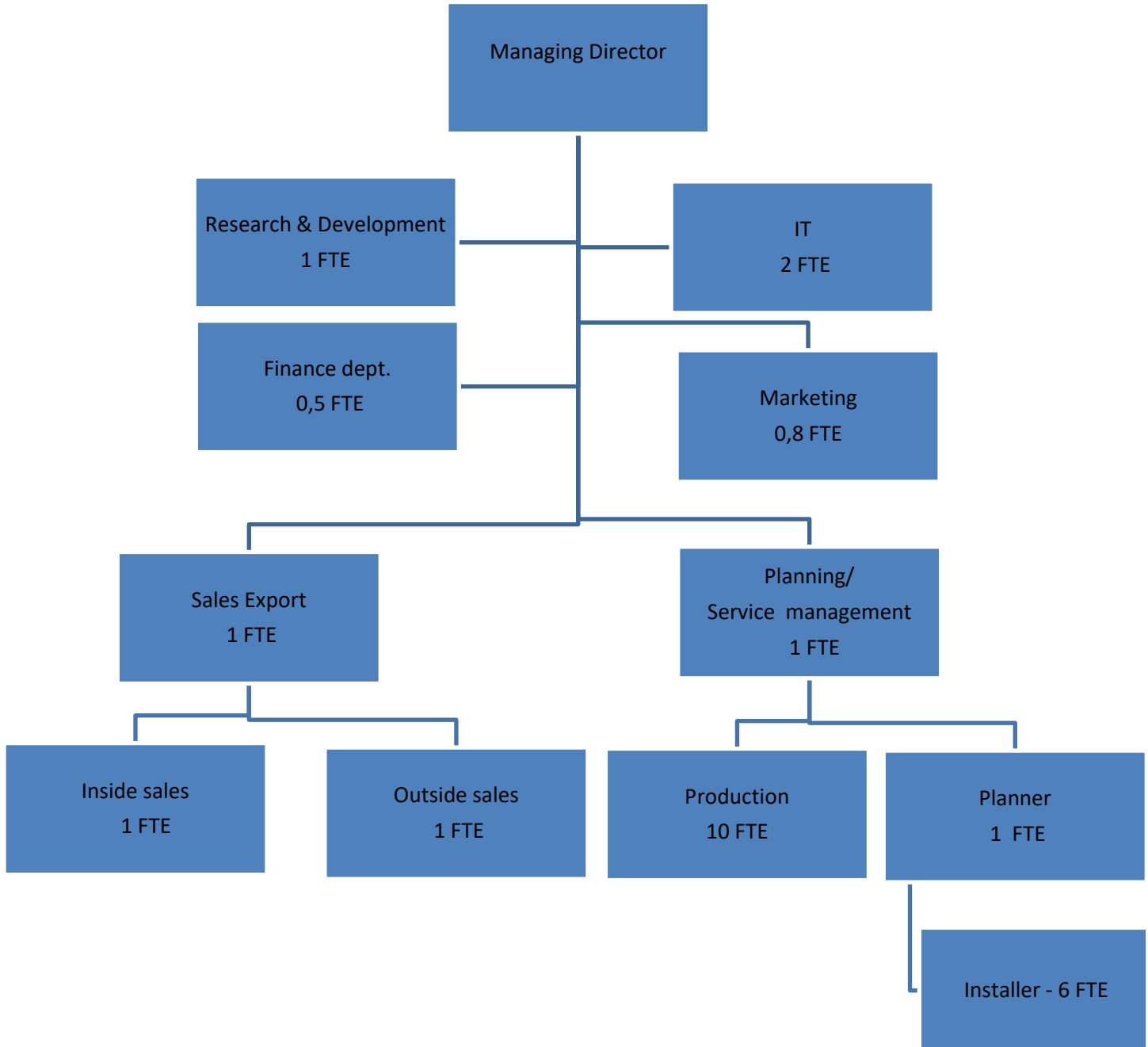
In the 90's work began on the Compact Door and a patent received for its unique folding mechanism. The Compact Door folds directly above the door opening and does not obstruct overhead services, gantries and natural daylight. The Compact Door is self-supported off its side tracks, it is quiet to operate and requires less long term maintenance. The conventional sectional door when opened takes up a lot of space in the building and requires secondary steel to support the panels and springs to effect movement.

Rolflex sell the Compact door through a worldwide network of approved dealers. All dealers are offered in-house training and encouraged to visit the factory in Holland. In 2007/2008 the company extended its existing manufacturing facilities and built new offices to provide extra accommodation for administration and a training suite for clients and dealers.

The Compact Door is now a popular choice of many leading architects and designers seeking to specify a well-engineered modern product which can provide them and their clients with more design freedom and cost effective space within the building. A reference list of major projects is included in section 5 with company brochures.



2.2 Organizational Chart



Rolflex Nederland BV
 Nijverheidsweg 23
 7081 AE Ulfst
 The Netherlands

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Fax (+31) 0315 - 69 59 50
Internet www.rolflex.com
Email export@rolflex.com

BTW nr. NL815 617 082 B01
K.v.K. Arnhem 091 59505
BIC code ABNANL2A
IBAN NL66ABNA0533234271



All our quotations, all orders placed with us and all contracts concluded with us are subject to the **Metaalunieconditions**, filed with the registrar of the District Court of Rotterdam, as stipulated in the latest text lodged with the said court. The conditions of delivery and payment are available on our internet site and will be sent to you upon request: info@rolflex.com

2.3 Introduction

The unique folding Compact industrial door has been designed to incorporate the advantages of both Roller shutter and Overhead sectional doors and to overcome their inherent disadvantages.

Detailed product information and technical literature is available on our interactive website www.rolflex.com

The product is manufactured in The Netherlands and complies with all relevant European standards. It is available worldwide through our network of approved dealers.



The Folding System

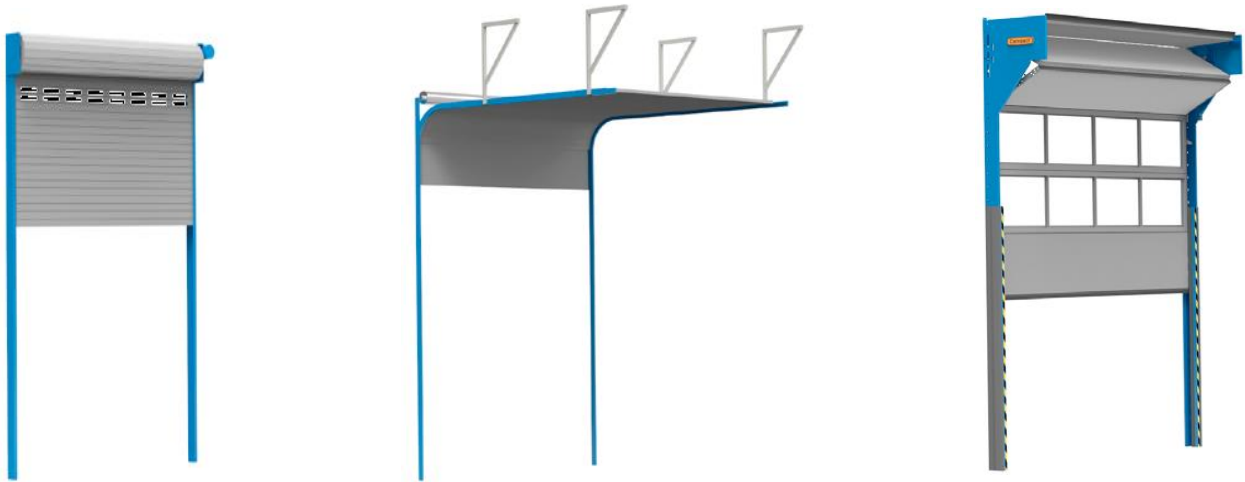
The patented side rail system enables the door panels to fold upwards into a compact space above the door opening. The smooth and quiet movement of the panels uses little energy guaranteeing a longer life cycle and lower maintenance costs.

Architects specifying the Compact Door have the advantage of providing more free space above the door for mechanical and electrical services, lighting, sprinklers and overhead cranes. Horizontal glazing can also be considered below the eaves. Unique safety features and an anti-theft device are built into the side rails.

The Compact door is both quick and easy to install. In buildings where there is restricted headroom it provides an opportunity to install an insulated folding door which can also be glazed and incorporate a wicket door. The innovative Compact Door is designed in accordance with European standards and is manufactured by Rolflex Nederland BV to the highest standards in their automated production facility in the Netherlands. A worldwide network of approved and trained dealers is available for installation and maintenance.

2.4 Innovation

Evolution of industrial doors



1960
 Roller Shutter

1980
 Overhead sectional door

2000
 Compact door

Roller Shutters

Roller shutters were the original industrial doors. The door leaf consists of thin single-walled steel slats which roll up above the opening. Their insulation value is minimal and their appearance industrial.

Overhead Sectional doors

Overhead sectional doors have been developed for both industrial and domestic applications. They are currently the most popular doors on the market. They provide good insulation and can be glazed and include a wicket/personnel door.

Compact Door as an alternative

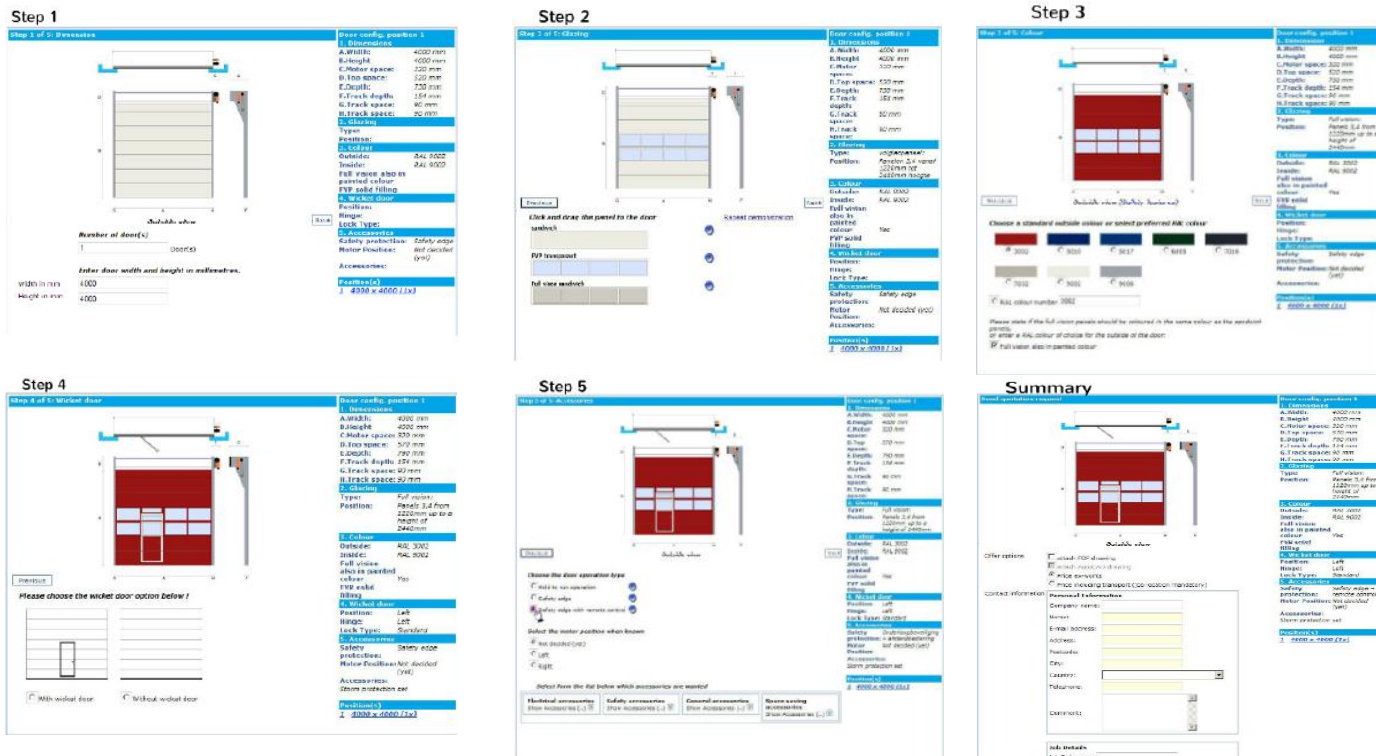
The Compact door has the same space saving features as the roller shutter. However the door panels are of sandwich construction and provide optimum insulation. They can also be fully glazed with glass, acrylate or polycarbonate. A unique feature within the folding panels is a wicket/personnel door.

Compact Door as an alternative

The Compact door includes all these features however the innovative folding system enables the open door to take up less useful space within the building. The overhead sectional door slides on a rail system into the building as it opens. The rails have to be supported from the roof structure. The Compact door is only supported from its side rails. Overhead sectional doors are designed using counter balancing springs which, when in tension, open and close the door. They require regular maintenance and are time consuming and expensive to replace. The Compact door has no balancing springs and is therefore much quicker to install. Maintenance is also less expensive

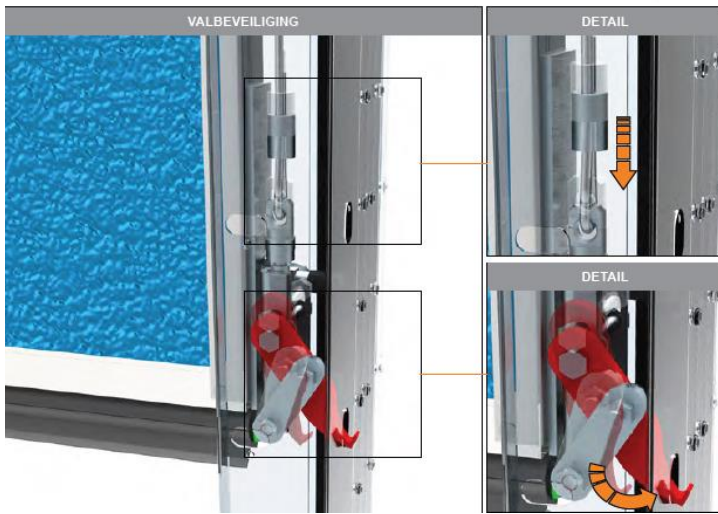
This is important for individual factory units requiring alternative access. The Compact door is now often chosen to replace old roller shutters when buildings are being refurbished as it can fit into the same space.

An innovative feature of our website is our DESIGN YOUR OWN DOOR program which we have developed for architects, designers, end users and our dealer network .In just 5 steps you can design your own door. As you choose from a wide range of alternative finishes, glazing and accessories an image of your door is developed on your screen. By return you will receive a quotation with cad/pdf drawing and specification.

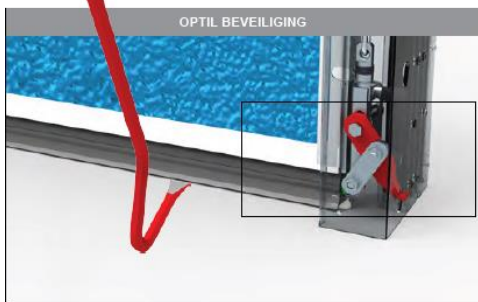


Design Features

- Motor with standard push buttons for the electrical operated Compact Door.
- Crank handle for emergency opening of the door.
- Aluminum stucco design panels with an optimal level of insulation.
- Flexible rubber seals (for perfect closing).
- Polyester coating in 10 different standard colours.
- Integrated hinges made of stainless steel.
- [Automatic locking system](#) on all doors. This unique and standard safety system prevents undesirable uplift from outside. The door is [burglar proof](#) as standard and does not need additional shoot bolts.
- [Fall-safety device](#) which stops the door from falling down when the steel cables breaks.
- Slack cable tension [alert device](#). This will increase the safety of a running Compact Door. It will stop the engine if any problem occurs with one of the lifting cables.
- CE-mark and in compliance with the strict European safety guidelines and regulations.
- Top- or front motor position where space is an issue.
- Protection shield when the door is [installed externally](#) or in a very moist atmosphere.
- Motor protection shield for extra protection of the electrical components.
- Manual chain over-ride for emergency opening
- Wicket door in the door blade.
- Pass door fitting next to the Compact Door.
- Powder-coated rails and folding plates in a RAL colour of your choice. Used for extra protection or simply for aesthetic purposes.
- Powder-coated hardware parts in RAL 9006.
- Glazing with windows or full-vision panels of your choice.
- Ventilation gratings of your choice.
- Storm-package.
- A safety edge for user comfort and safety on electrically operated doors.



If a cable breaks, the fall safety device will prevent the door blade from falling down. The Compact Door is provided with two independent steel cables with a safety factor of 6. If a cable breaks, the falling door blade will be caught in the side rail and hold it in place.



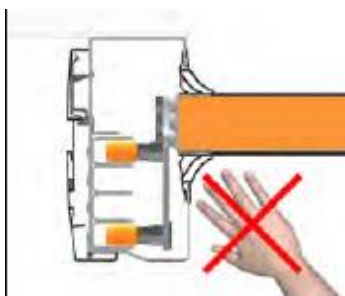
Automatic locking system

This standard feature on every Compact Door prevents undesirable uplift of the door blade from the outside. Because of this round the clock automatic locking system the door is well protected against forced entry.



Slack cable device

the slack cable device will stop the motor running to avoid any potentially dangerous situations or damage to the door



Finger protection

Special safety covers on railside to prevent reaching into the tracks

Fall safety device

2.7 Why choose a Compact Door?

Compact Folding Door
 Saving Space with more Opportunities

No balancing springs
 Choose your desired glazing.
 Select either a standard colour or a preferred RAL colour.
 A wicket door is a possible option also with glazing.

Unique vertical folding panels
 Select the type of operation and the motor position.
 Choose your accessories.

Self-supporting on side rails

Insulated door panels

- 1 Design freedom
- 2 Space saving
- 3 No overhead supports
- 4 Smooth operation
- 5 Workspace lighting
- 6 Low maintenance
- 7 Overhead cranes
- 8 Tubing and sprinklers
- 9 Automotive
- 10 External installation
- 11 Wicket door
- 12 Safe vehicle access

Compact FOLDING DOOR **Rolflex** MANUFACTURER OF THE COMPACT DOOR

Rolflex Nederland BV, Nijverheidsweg 23, 7081 AE Ulfst
 Tel. 0315 - 69 59 59 E-mail verkoop@rolflex.com www.rolflex.com

It's a new product with new possibilities and potentials"

More freedom in design and it maximize projects potentials. This door can increase building efficiency and energy rating. It's a esthetical product with great qualities.

Architect, 2014

"Simple and clear construction requirements on site"

With this door you don't need extra supporting steel for balancing springs and no attachment of rails to the ceiling, which saves costs. This door can be built in at almost every moment during the building process.

Contractor, 2014

"A simple and reliable product with low maintenance"

A door with great custom made design. If compared with other types of doors you immediately recognize the difference. Space saving and more effective. The door is very reliable and has a low noise operation.

Low maintenance costs so it gives real value for its money.

Enduser, 2014

2.8 Summary



Architectural Design

The simple structure of the Compact door gives an architect the freedom to design to their own imagination



Fully Glazed

All types of different glazing is possible. The doors can be provided with single safety glass up to insulated double acrylate or polycarbonate in many variations.



Wicket Door

To save energy and provide frequent pedestrian access a wicket door with a low threshold can be built into the Compact door. An ideal replacement for an old roller shutter.



Outside Installation

The Compact door is the only insulated sectional door which can be installed on the outside of a building. This due to the fact that the Compact door does not need overhead rails and is self-supporting.



High speed and Traffic Control

In order to help the customer with logistics, the Compact door can be provided with high speed opening and automatic closing. It also helps the customer in saving energy.

3. General Procedures

3.1 Pre-Order

Clients are encouraged to visit www.rolflex.com and click on “Design your own door” or “Request offer. This is a feature which enables architects, end users, dealers and new visitors to design their own doors by following five simple steps. As the visitor selects their specification requirements a graphic image of the door complete with drawings and specification is built up on the screen. By return a quotation to the relevant dealer will follow automatically. When a dealer places an order with Rolflex he is sent a confirmation form to check, sign and return. No orders are cleared into production for manufacture until this procedure is complete. A delivery date is also confirmed.

3.2 Production

Components manufactured in-house

- a) Insulated Panels
- b) All glazed panels
- c) Wicket doors
- d) Folding Plates and tracks

Components bought-out

- a) Motors and control boxes
- b) Cables
- c) Electrical accessories
- d) Aluminium profiles
- e) Fixings

Fabrication and assembly of the doors is organised on a flow-line basic and has been refined to maximise automation. All functions are computer generated from the clients order confirmation. This includes maintaining stock levels for manufacture.

Doors are checked for quality and specification after assembly prior to packing for dispatch.

The company has a policy of good relations with its key suppliers to ensure quality of material supply and prompt delivery.



3.3 Dispatch

All doors are export packed in wooden frames and shrink wrapped. All loose components and documentation for the installer together with the logbook and user-manual for maintenance and operation are boxed within the package.

3.4 Installation

All dealers are encouraged to send their installers to The Netherlands for training at the training location, The Compact Academy at Rolflex. An installation video is also available. With trained operatives the installation of the Compact Door is much quicker than a conventional sectional door.

To view the short installation film visit www.rolflex.com/NL/EN.html

3.5 Compact Academy





3.6 Product Specification

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 $k = 0.76 \text{ W(m}^2\text{K)}$ (DIN EN 12428)

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 (DIN EN 12425)
- Air permeability class 2 (DIN EN 12426)
- Sound reduction $\pm 20 \text{ dB(A)}$ (EN ISO 717-7)

Standard wind classification without storm package for widths (DIN EN 12424)

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 (DIN EN 12424)

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
	9007 grey aluminium
	9016 traffic white



Glazing

Different glazing options are available:

Full-vision glass panels

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

Standard colours: Anodised aluminium
 RAL 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)
- Insulated twin-wall polycarbonate (17mm)

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). The click lists are in a white colour.

Double-glazed snap-in windows:

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

Insulation value: $K = \pm 2.8 \text{ W/m}^2\text{K}$ (DIN EN 12428)

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

Electrical operation

Motor 400 V

- 3-phase, ± 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

Motor 230 V

- 1-phase or 3-phase; ± 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 a light curtain obstacle detection system (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, max.60cm opening speed.
- motor and control box in IP 65 design, 80% duration time (impermeability class)
- emergency chain opener
- standard photocell with support (sender/reflector)
- carwash photocell (sender/receiver)
- remote controlled operation (receiver with 4-channel handheld transmitter)
- additional 4-channel transmitter
- 99-channel transmitter
- Pin code unit
- key switch incl. 3 keys
- key switch with 3 buttons for up-stop-down, incl. 3 keys
- additional push button
- cylinder lock for control box
- pull switch
- radar
- warning light (red, green or orange)
- control lock on the control box
- summer – winter switch
- emergency button on the control box
- 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
- Stainless steel fasteners (stainless steel screws, improved water dispersion panels)

Ventilation

Ventilation grating 452 cm²

- 680 x 375 mm (w x h)
- Anodised aluminium
- Net air opening 452 cm²

Ventilation grating 215 cm²

- 450 x 90 mm (w x h)
- Black plastic
- Net air opening 215 cm²

Ventilation grating 185 cm²

- 407x 307 mm (w x h)
- Aluminium RAL 9010 (white)
- Net air opening 185 cm²
- Lockable

Ventilation grating 45 cm²

- 450 x 90 mm (w x h)
- Aluminium RAL 9010 (white)
- Net air opening 45 cm²
- Lockable

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 120 mm approx.
- Protection provided by wicket door contact
- Cylinder lock fitted, with 3 keys
- Door closer on bottom
- Door catch on top
- Hinge 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



Side door with fixed insert panel (fascia panels)

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 closer on top

Other options:

- a separate protective cover for door panels and motor, 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.

Rolflex

Manufacturer of the
Compact industrialdoor

3.7 EC Declaration & Conformity

Rolflex
Manufacturer of the
Compact industrialdoor

Compact
INDUSTRIAL DOORS

Rolflex Nederland BV herewith declares that the product:
COMPACT INDUSTRIAL FOLDING DOOR
has been tested by

SP, Swedish National Testing and Research Institute, as Notified Body no. 0402 (announced authority), have done initial type-testing, which can be used to support the EC-declaration of conformity according the requirements as stated in the harmonized NORM SS-EN 13241-1 : 2003

By SP tested according the subjoined norms:

EN 12604:2000 Doors – Mechanical aspects (requirements)
EN 12605:2000 Doors – Mechanical aspects (method of testing)
EN 12453:2000 Safety for use of the electrical operated doors (requirements)
EN 12445:2000 Safety for use of the electrical operated doors (method of testing)



Safety and Euro-Norm EN 13241-1

The doors are marked with the CE-hallmark and are manufactured according to the latest European norms. The **standard safety features** according EN-12604 and EN 12453 are:

- Fall-save device.
- Cable-tension detection.
- Night and day automatic locking system.
- Steel cables with safety factor 6.
- Rails and finger protection.



Water permeability Compact Door	EN 12425	Class 2
Air permeability Compact Door	EN 12426	Class 2
Sound reduction sandwich panel Compact door	ISO 140-3	20 dB(A)
Insulation value sandwich panel Compact door	EN 12428	0.76 W/(m ² K)
Wind resistance Compact Door	EN 12424	Class 2 - 5

Durability Test 100.000 movements. TÜV Nord Zertifizierung tested the Compact Door in the period 2005-2006 for more then 100.000 movements according DIN EN 13241-1:2004-04 Abschnitt 4.4.7.

This declaration is stated by Mr. Frank Duenk.
Export Manager of Rolflex Nederland BV.

Rolflex Nederland BV
Nijverheidsweg 23
7081 AE Ulf
The Netherlands
Email: export@rolflex.com
Internet: www.rolflex.com



Rolflex Nederland BV
Ulf, Januar 2013

Rolflex Nederland BV	Tel. (+31) 0315 - 69 59 59	BTW nr. NL815 617 082 B01
Nijverheidsweg 23	Fax (+31) 0315 - 69 59 50	K.v.K. Arnhem 091 59605
7081 AE Ulf	Internet www.rolflex.com	Swiftnr. ABNANL2A
The Netherlands	ABN Rek.nr. 53 32 34 271	IBAN NL66ABNA0533234271

Compact
INDUSTRIAL DOORS

All our quotations, all orders placed with us and all contracts concluded with us are subject to the **Metaalunieconditions**, filed with the registrar of the District Court of Rotterdam, as stipulated in the latest text lodged with the said court. The conditions of delivery and payment are available on our Internetsite and will be sent to you upon request.
info@rolflex.com

3.8 TÜV Nord Certificate

TÜV NORD CERT GmbH
Langemarckstraße 20

45141 Essen

Technischer Bericht

Prüfstelle für Tore

Bericht Nr. 06325335023 vom 17.10.2006

Auftraggeber: Rolflex Nederland BV
Nijverheidsweg 23
7801 AE Gendringen/Uift, Niederlande

Prüfgegenstand: Sektionaltor Compact

Beurteilungsgrundlagen: DIN EN 13241-1:2004-04 Abschnitt 4.4.7

Auftragsnummer: 8000335023

Geschäfts-Nr.: 2.4-288/05

Bearbeiter: Albert Brinkmann

Prüfzeitraum: 17.10.2005-17.10.2006

Ort der Prüfung: Rolflex Nederland BV
Nijverheidsweg 23
7801 AE Gendringen/Uift, Niederlande

Dieser Bericht umfasst 6 Seiten

1. Allgemeines**Technische Daten:**

Art des Tores:	Sektionaltor
Breite:	7000 mm
Höhe:	4500 mm
Fabriknummer:	2005 0332330101
Vom Hersteller spezifizierte Betriebszyklen:	100000

2. Eingereichte Unterlagen

- Torbeschreibung „Compact“

3. Durchgeführte Prüfungen

Erstprüfung an dem aufgeführten Tor zu dem Punkt „Dauerhaftigkeit“

4. Ergebnis

Anzahl der durchgeführten Betriebszyklen	110031
Testbeginn:	17.10.2005
Testende	17.10.2006

Unterbrechungen der Prüfung und Austausch der Dichtelemente:
war nicht notwendig; eine Sektion musste nach einer Beschädigung durch einen
Gabelstapler ersetzt werden

Ergebnis der Prüfung der Dichtelemente nach der Dauerprüfung:
Es liegt kein Verschleiß vor. Die Dichtelemente sind noch voll intakt.



Jürgen Maskos
Reviewer



Albert Brinkmann
Prüfer



Manufacturer of the
Compact industrialdoor

3.9 SP Certificate

Handled by, department
Klas Johansson
+46 33 16 53 54, klas.johansson@sp.se

Date
2005-04-29

Reference
Your reference
Jost Megens

Page
1 (1)



Rolflex Nederland B.V
Nijverheidsweg 23
7081 AE Uft
Holland

Testing of Doors

SP has performed tests the Apr. 7, 2005 according to SS-EN 13241-1 in order to be able to CE mark Rolflex products.

The performed test at Marantec test site consist of:

Air permeability	SS-EN 12427
Resistance to water penetration	SS-EN 12489
Resistance to wind load	SS-EN 12444
Safety in use of power operated doors	SS-EN 12445

Additional tests will be performed at SP:

Dangerous substances
Thermal transmittance

Following parts from Rolflex or supplier to Rolflex has been tested:

Door: Compact

The test results and the classification for different combination of the tested products will be documented in a technical report.

Yours sincerely,

SP Swedish National Testing and Research Institute
Building Technology and Mechanics - Solid Mechanics and Structures

Klas Johansson

Roger Davidsson

SP Swedish National Testing and Research Institute

A Member of United Competence

Postal address	Office location	Telephone / Telex	E-mail / Internet	Bank	Postal account	Reg number
SP Box 857 SE-501 15 Borås SWEDEN	Västertorpen Brinellgatan 4 Borås	+46 33 16 50 00 +46 33 13 55 02	info@sp.se www.sp.se	715-1053	10 55-3	556464-6874



Manufacturer of the
Compact industrialdoor

3.10 Declaration of Performance

DECLARATION OF PERFORMANCE

DoP-N0.: 2014 03 3378 0101 / 2014-04-07

- | | |
|---|--|
| 1. Identification code | Compact Industrial Door |
| 2. Serial Number | 2014 03 3378 0101 |
| 3. Intended use | Industrial |
| 4. Manufacturer | Rolflex Nederland BV
Nijverheidsweg 23
7081 AE Uift
The Netherlands |
| 5. Authorized representative | J.H. Megens |
| 6. Assessments and verification of constancy of performance | System 4 |
| 7. Harmonized standard | EN 13241-1:2003 + A1-2011
TÜV 2.4-288
SP Sweden 556464-6874 |
| 8. European technical assessments | Not applicabel |
| 9. Declared performance | |


	Essentials characteristic	Declared performance	Harmonized standard
1	Resistance to water tightness	2	EN 13241-1:2003 + A1-2011
2	Resistance for wind load	3	
3	Thermal resistance	Solid panel k=0,76 W(m2K) Full Vision Panel k=2,8 W(m2K)	
4	Air permeability	2	
5	Dangerous materials	Not determined yet	
6	Safe opening	Tested	
7	Mechanical Stability	Tested	
8	Geometry Windows	Tested	
9	Operating forces	Tested	
10	Durability for 1 ,3, 4	100.000 cycles	

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the responsibility of the manufacture identified in point 4.

Signed for and on behalf of the manufacturer by:

J.H. Megens
Uift, 2014-04-07

3.11 Certificate of Origin

<p>1 Afzender / Consignor / Expéditeur / Remitente Rolflex Nederland BV Nijverheidsweg 23 7081 AE Ulft The Netherlands</p>	<p>Nr. S 839174 091430261</p>	<p>ORIGINEEL/ ORIGINAL</p>
<p>2 Geadresseerde / Consignee / Destinataire / Destinataro</p>	<p>EUROPESE GEMEENSCHAP EUROPEAN COMMUNITY COMMUNAUTÉ EUROPÉENNE COMUNIDAD EUROPEA CERTIFICAAT VAN OORSPRONG CERTIFICATE OF ORIGIN CERTIFICAT D'ORIGINE CERTIFICADO DE ORIGEN</p>	
<p>4 Gegevens in verband met het vervoer (facultatief) / Transport details (optional) / Informations relatives au transport (mention facultative) / Expedición</p>	<p>3 Land van oorsprong / Country of origin / Pays d'origine / País de origen EUROPEAN COMMUNITY</p> <p>5 Opmerkingen / Remarks / Remarques / Observaciones Reference: 2014-01-2241, 2014-02-02350</p>	
<p>6 Volgnummer, merken, nummers, aantal en aard van de colli; omschrijving van de goederen 2 Colli Industrial Doors EUROPEAN COMMUNITY GN-Code: 73 08 3000</p>	<p>7 Hoeveelheid 451 Kg</p>	
<p>8 ONDERTGETEKENDE AUTORITEIT VERKLAART DAT DE HIERBOVEN VERMELDE GOEDEREN VAN OORSPRONG ZIJN UIT HET IN VAK 3 GEMENDE LAND THE UNDERSIGNED AUTHORITY CERTIFIES THAT THE GOODS DESCRIBED ABOVE ORIGINATE IN THE COUNTRY SHOWN IN BOX 3 L'AUTORITÉ SOUSSIGNÉE CERTIFIE QUE LES MARCHANDISES DÉSIGNÉES CI-DESSUS SONT ORIGINAIRES DU PAYS FIGURANT DANS LA CASE No. 3 LA AUTORIDAD INFRASCRITA CERTIFICA QUE LAS MERCANCIAS DESIGNADAS SON ORIGINARIAS DEL PAIS INDICADO EN LA CASILLA No. 3</p> <div style="display: flex; justify-content: space-between;"> <div data-bbox="335 1668 510 1814"> <p>CERTIFICATE OF ORIGIN Assesment Chamber No. 10139/11</p> </div> <div data-bbox="877 1713 1276 1769"> <p>THE NETHERLANDS CHAMBER OF COMMERCE AND INDUSTRY KAMER VAN KOOPHANDEL EN FABRIEKEN UTRECHT</p> </div> </div> <p>Plaats en datum van afgifte; aanduiding, handtekening en stempel van de bevoegde autoriteit Place and date of issue; name, signature and stamp of competent authority Lieu et date de délivrance; désignation, signature et cachet de l'autorité compétente Lugar y fecha de expedición; designación, firma y sello de la autoridad competente</p> <p>To verify this document please visit: http://certificates.iccwbo.org/ Verification Code: 1091430261</p> <div style="text-align: right;">  <p>091430261 UTRECHT W. Bieze Electronic Certifying Stamp</p> </div>		



3.12 Quality Procedures

All Operations in the factory and the material stock warehouse are computer generated to ensure that our doors are produced to the correct specification and the highest Quality.

Following receipt of the order confirmation each door is given it's own unique serial/order number from fabrication to dispatch. All the components of the door are cross referenced on the computer program with this serial number.

Before the door can be released for packing and dispatch all components of the door are barcode scanned to check that it's specification matches the order confirmation. Each production step is registered and recorded, time, date and the operative. On dispatch the serial number of the door is located on the control box and the red log book which also contains the specification of the door and the user manual.

Monthly Testing

A random pull test of the door panel to test the adhesion of the sandwich construction.

A random pull test of the side tracks and the folding plates which will identify any inaccuracy of the machine tooling.

3.13 Safe Working Statement

- Provide adequate control of the health and safety risks arising from our work activities.
- Provide and maintain safe plant and equipment.
- Ensure safe handling and use of substances.
- Provide information, instruction and supervision for employees.
- Ensure all employees are competent to do their tasks, and to give them adequate training.
- Prevent accidents and cases of work-related ill health.
- Maintain safe and healthy working conditions.
- Review and revise this policy as necessary at regular intervals.

Rolflex

Manufacturer of the
Compact industrialdoor

4. Brochures

Compact Folding Door

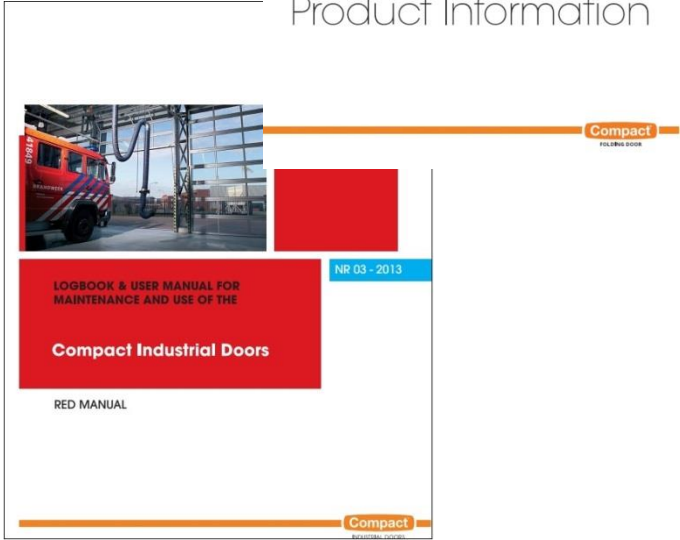


Opens
new
perspectives

Compact Industrial door 2014 - Nr. 20



Product Information



Reference list Compactdoors Worldwide

Automotive Europe 1996 - 2012:

Importer Toyota Netherlands (2 doors)	Landrover England (8 doors) Ford
Racing division England (10 doors)	BMW England (2 doors)
Jaguar Germany (1 door)	Carwash Loogman Netherlands (4 doors)
Audi VW Ankara Turkey (23 doors)	Mercedes Daimler Chrysler Stuttgart (8 doors)
Bernard Truck Lyon (44 doors)	CWN Spraybooths

In the automotive branche we have done various projects for serveral dealer and sales organisations all over Europe during the last 15 years: Nissan, Toyota, Volkswagen, Audi, BMW, Mercedes, Peugeot, Citroën, Renault, Opel, Subaru, Porsche, Ford, Mazda, Jaguar, Landrover, Bentley.

Race and testing circuit:

TT motor racetrack Assen (70 doors), the Netherlands
Racetrack in Norway (3 doors)
MIRA Testing facility in Middle England (over 35 doors)

Industrial facilities:

Corus - Stork Amsterdam - Fiberline Denmark (13 doors) - Hyva International (10 doors) Sigma Coatings Amsterdam – Danfoss – Caterpillar - Airbus France

Footballstadiums:

Ajax Amsterdam (15 doors)
National footballstadium Tallinn in Estonia (4 doors)

Fire brigades:

Schiphol Airport (3 doors)
Dubai Airport (10 doors)
Enschede (30 doors)
Barneveld (17 doors)
Chard Firestation England (3 doors)
Devon England (4 doors)
Haslemere England (5 doors)
Kingswood (3 doors)
Boscome Down Fire Station (10 doors)
Gendringen (6 doors)

Warehousing:

Rensa Didam (30 dockdoors)
Mexx Voorschoten (17 dockdoors)
Miss Etam Zoetermeer (26 dockdoors)
Cold store in Linz (Austria)
Logistar Schiphol Airport (32 dockdoors)
Supermarket Ferme du Sart (6 doors)

Special projects:

Mc. Laren/Mercedes (32 doors)
Airbus Industry Toulouse (18 doors)
Renault Trucks Lyon (45 doors)
Metro workshops Warsawa (40 doors)
Van Kooy Mercedes Amersfoort (26 doors)
ASML Airport Eindhoven (30 doors)
World Trade Centre Dubai (4 doors)
Frische Zentrum Frankfurt (55 doors)

Army:

Belgium Armees Flawine (12 doors)
France Armees Noyon (55 doors)
UK Army (70 doors)
Catterick Garrison UK Army (90 doors)
Gloucester Barracks UK Army (20 doors)
Defence Estates UK Army (42 doors)
Afghanistan Camp Bastion (45 doors)

Rolflex Nederland BV
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The Netherlands

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BTW nr. NL815 617 082 B01
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All our quotations, all orders placed with us and all contracts concluded with us are subject to the **Metaalunieconditions**, filed with the registrar of the District Court of Rotterdam, as stipulated in the latest text lodged with the said court. The conditions of delivery and payment are available on our internet site and will be sent to you upon request:
info@rolflex.com

Reference list Compactdoors GCC

Key Projects in the GCC

Automotive

Auto Pro Car Care Centres
Auto Village at Al Hamar
Al Tayer Motors Car Showrooms
Gargash Mercedes Showroom
Al Zubair Automotive Group Oman

Emergency Services

Dubai Airport Fire Station

Warehousing

International Cargo Terminal Cold Store Dubai
Abu Dhabi Cargo Village
Dubai Cooperative Society Warehouse
Emicool District Cooling Plant
Transcate Logistics Kuwait

Race and testing circuit

Emirates Vehicle Testing Centre

Industrial facilities

Dubai Grand Service Stations
Emirates National Oil Co Enoc
Garoud Service Station
Leader Aluminium Dubai
Gulf Aluminium Showroom and Factory Kuwait

Airport

Airbus Terminal 2 Dubai
Khalifa Port Terminal Abu Dhabi

Special Projects

Dubai World Trade Centre
Al Shola Complex
Abu Dhabi Ship Building Company
Abu Dhabi National Exhibitions Co
Abu Dhabi Zafco
Master Foods Dubai
Ascon/Emco Dubai
Capex Tecno Park Dubai
Dubai Festival City
ADS Showroom Riyadh Saudi Arabia

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Nijverheidsweg 23
7081 AE Ulfst
The Netherlands

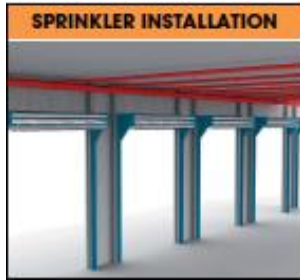
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5. Projects

The Compact Door has been supplied to many different building applications and projects worldwide. We record some of them and the reasons for our clients' choice.



5.1 Military Workshops

The UK MOD specified the Compact door at Catterick and Gloucester barracks. The design of the workshops required mechanical services, overhead cranes, sprinklers, extraction equipment and lighting to be positioned overhead the maintenance bays adjacent to the vehicle entry doors. Approximately 100 doors were supplied. Subsequently 60 doors have been supplied to the armored workshops at Camp Bastion in Afghanistan.

Catterick and Gloucester Barracks – United Kingdom



Camp Bastion–Afghanistan



Several Projects in France
 Tigre Helicopter Simulator



Nato France



Nato France



Chateau Neuf du Pape



In France several architects have chosen to specify the Compact door in their projects. For example Nato in Southern France have 90 Compact doors in their new Tank Depot. Again the reasons for this choice is the positioning of mechanical services and sprinklers above the maintenance bays. Also the famous Chateau Neuf du Pape chose the Compact door for the refurbishment of a winery to avoid any fixings or supports to the existing rafters in the roof.

5.2 Hi Tech buildings



Norman Foster and partners chose the Compact Door for all the external vehicle access doors and the full height glazed doors within the curtain walling. They required the doors to be unobtrusive which allowed the side rails and top space to be boxed in after installation. The doors were also manufactured to non-standard dimensions to match the external cladding.



McLaren Technology Center



The production center which was opened in 2011 also has external Compact doors. At the end of the production lines there are three fully glazed boxes over the Rolling roads. At the end of each box there is a fully glazed powder painted Compact door to a carwash specification.



5.3 Emergency Services



Architects specify the Compact door for different reasons. As these are public buildings with emergency purposes, the highest priority lies on reliability. Further the Compact door has low maintenance costs, so there is a responsible use of public assets. As the Compact door gives a lot of design freedom, the architect will be able to design a building with his signature. Often a high speed motor which opens the door at 60cm/sec. is specified.



Fire station Enschede - Netherlands



Monaghan Ireland fire station



Ambulance and Fire station Barneveld - Netherlands



5.4 Automotive



The Compact door is popular for automotive dealerships. The variety of design options are usable in a wide range of applications. For example basic doors suit very well in a workshop and the fully glazed door enhances and opens up the show room. Besides that the door is also used often in carwash areas. Peugeot has chosen the compact door for their new blue box concept for all their dealers in the Netherlands.

Blue box concept Peugeot



Carwash



Mercedes showroom



Audi Workshop

