



PORTCULLIS

S I T E S E R V I C E S L T D

GENERAL CATALOGUE



ABOUT US

Since 1997, in Europe alone, hundreds of thousands of high speed doors have been installed in companies operating in a wide range of industries.

Choosing Portcullis means relying on one of the world's leading companies in the field of industrial doors.

To meet the specific needs of customer companies, Portcullis designs and creates ad hoc solutions, able to solve issues related to every industrial sector.



IDEAL FOR

Airports

Food industry

Car Wash

Automotive

Crane

Chemical-Atex

Clean Rooms

Composting

Organised large-scale retail

Logistics

Heavy industry

Hospitals

Shipyards

Refrigeration

Supermarket





TECHNICAL DATA

Maximum dimensions	W 8000 mm x H 8000 mm
Speed	Max opening speed up to 3 m/s
	Closing speed 0,8 m/s adjustable
Wind resistance	3000 x 3000 Class 4 5000 x 5000 Class 3 7000 x 7000 Class 2 8000 x 8000 Class 1
Frame / motor cover hood	Standard: Galvanized Steel
	Optional: Powder coated Steel Stainless Steel 441/316/304
Curtain	Standard: PVC curtain 1300 gr/m ²
	Optional: 1700 gr/m ² Insulated 7 mm, 3.3 W/m ² k Translucent 35/40% FDA (white) Antistatic

Roll Door



Roll Door One



TECHNICAL DATA	
Maximum dimensions	W 3000 mm x H 3500 mm
Speed	Max opening speed up to 1,2 m/s
	Closing speed 0,8 m/s adjustable
Wind resistance	Class 1
Frame / motor cover hood	Standard: Galvanized Steel
	Optional: Powder coated Steel Stainless Steel 441/316/304
Curtain	Standard: PVC curtain 1300 gr/m ²
	Optional: 1700 gr/m ² Insulated 7 mm, 3.3 W/m ² k Translucent 35/40% FDA (white) Antistatic

ROLL UP DOOR

Roll Door One is a self-repairing roll up equipped by the zipper system.

The integrated motor box allows to eliminate costly and unaesthetic electrical and control panel piping.

Its patented sliding system allows to work in complete safety: in case of accidental collisions, the curtain comes out from the guides and reinserts to the next cycle.

Roll Door Food Inox



SELF REPAIRING HIGH SPEED DOOR

Roll Door FOOD INOX is a self-repairing roll up door specially designed for the food industry.

The Food Inox 15° version is designed to ensure compliance with the industry hygiene standards and avoids the accumulation of liquids, dust and impurities. In addition, the door is washable in all its parts, to ensure maximum hygiene.

TECHNICAL DATA

Maximum dimensions	W 6500 mm x H 6500 mm
Speed	Max opening speed up to 2,5 m/s
	Closing speed 0,8 m/s
Wind resistance	3000 x 3000 Class 3 5000 x 5000 Class 2
Frame / motor cover hood	Standard: Stainless Steel 441
	Optional: Stainless Steel 316/304
Curtain	Standard: PVC curtain 1300 gr/m ²
	Optional: 1700 gr/m ² Insulated 7 mm, 3,3 W/m ² k Translucent 35/40% FDA (white) Antistatic

Roll Door Food Pe



Roll Door FOOD PE has a structure made of polyethylene and is designed to meet the needs of the food industry. Easy to clean, it ensures a high level of security thanks to its "Anti Crash" control system.



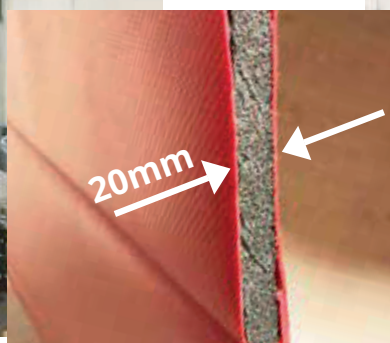
TECHINCAL DATA

Maximum dimensions	W 4500 mm x H 3800 mm
Speed	Max opening speed up to 2 m/s
	Closing speed 0,6 m/s
Frame	Standard: Polyethylene HD 1.000.000
Motor cover	Stainless Steel
Curtain	Standard: PVC curtain 1300 gr/m ² , 6 W/m ² K
	Optional: Translucent 35/40%
	FDA (white) Antistatic

Roll Door Fridge¹



INSULATION



SELF REPAIRING HIGH SPEED DOOR

Roll Door Fridge¹ is specially designed for refrigeration field. Thanks to the high degree of thermal insulation is ideal to divide environments with different temperatures.

Fast and flexible self-repairing industrial closure, Roll Door Fridge¹ is equipped with a curtain made of insulating panels and ensures good thermal transmittance quality to avoid any heat loss.

TECHNICAL DATA

Maximum dimensions	W 4000 mm x H 4500 mm
Speed	Max opening speed up to 1 m/s
	Closing speed 0,6 m/s
Frame / motor cover hood	Standard: Galvanized Steel
	Optional: Powder coated Steel Stainless Steel 441/316/304
Curtain	Standard: Double curtains welded with expanded polyethylene insulating 18 mm thick, U = 2,2 W/m ² K
	Optional: FDA (white) Antistatic

Roll Door Fridge ²



Roll Door Fridge ² is equipped with two separated curtains to create an insulated air space in closed position. It is ideal in refrigeration industry to separate environments with very high thermal conditions differences, as it prevents/reduces icing and condensation.



TECHNICAL DATA	
Maximum dimensions	W 6000 mm x H 7000 mm
Speed	Max opening speed up to 1,8 m/s
	Closing speed 0,8 m/s
Wind resistance	Class 2
Frame / motor cover hood	Standard: Galvanized Steel
	Optional: Stainless Steel 304/316/441 Powder coated Steel
Curtain	Standard: Double PVC curtain 1300 gr/m ² , U = 2,0 W/m ² k
	Optional: 1700 gr/m ² Insulated 7 mm, 3,3 W/m ² k (for high positive thermic differences)
Kit riscaldamento	A: Heater on electrical components and mechanical, heating cable 30W per linear meter
	B: Heater in air space with warm air blower 2,35 KW max

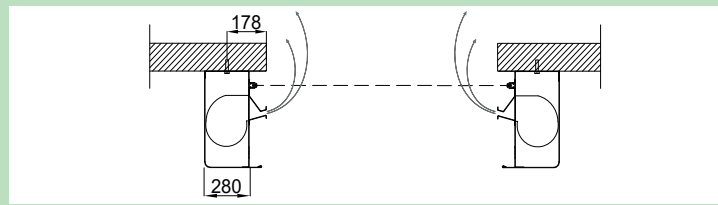
Air System

Solution available on All Roll Doors

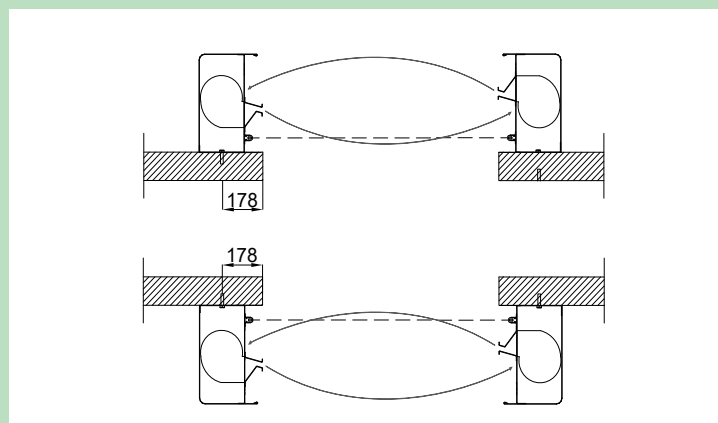
TECHNICAL DATA

Maximum dimensions	W 4500 mm x H 8000 mm
Speed	Max opening speed up to 3 m/s
	Closing speed 0,8 m/s adjustable
Wind resistance	3000 x 3000 Class 4 4500 x 5000 Class 3
Frame / motor cover hood	Standard: Galvanized Steel
	Optional: Powder coated Steel Stainless Steel 441/316/304
Curtain	Standard: PVC curtain 1300 gr/m ² , 6 W/m ² k
	Optional: 1700 gr/m ² Insulated 7 mm, 3.3 W/m ² k Translucent 35/40% FDA (white) Antistatic

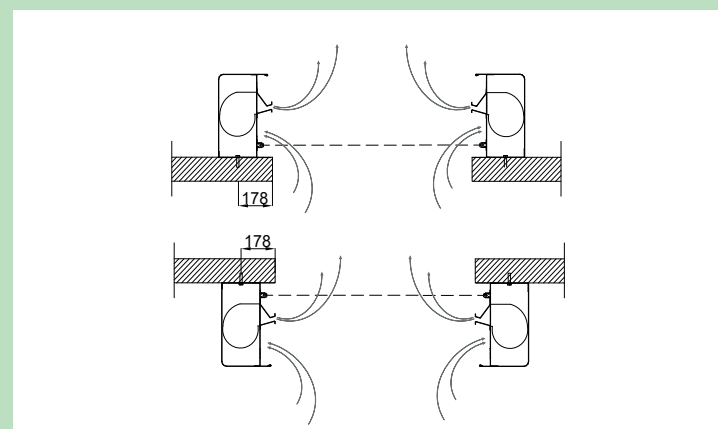
SOLUTION FOR LOADING AREAS



SOLUTION FOR AREAS WITH DIFFERENT TEMPERATURES



SOLUTION FOR UNPOLLUTED AREAS



Ventilation system

This kind of door is perfect when it is necessary to separate two areas where the traffic is high and temperatures and humidity are different. When the door is open it guarantees the separation of the two zones thanks to a double lateral ventilation system through an entire cycle of air that avoids annoying turbulences on the ground.

Roll Door CB 230

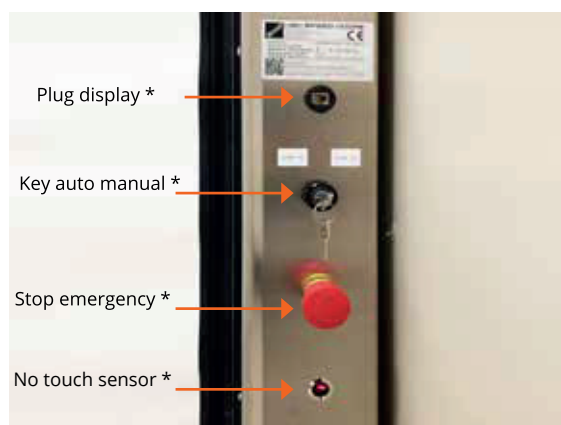


Roll Door CB 230 is a self-repairing roll up door designed to separate overpressured sterilized environments. Thanks to its special compact frame and to the special sliding system this door has a low permeability.

TECHNICAL DATA

Maximum dimensions	W 4500 mm x H 4500 mm
Speed	Max opening speed up to 2,5 m/s
	Closing speed 0,8 m/s
Air permeability	Up to Class 4 (UNI EN 12426)
Frame / motor cover hood	Standard: Galvanized Steel
	Optional: Powder coated steel Stainless Steel 441/316/304
Curtain	Standard: PVC curtain 1300 gr/m ²
	Optional: 1700 gr/m ² Insulated 7 mm, 3,3 W/m ² k Translucent 35/40% FDA (white) Antistatic





*Integrated Optionals on the column

TECHNICAL DATA

Maximum dimensions	W 4000 mm x H 4000 mm
Speed	Max opening speed up to 2,5 m/s
	Closing speed 0,8 m/s
Air permeability	Up to Class 4 (UNI EN 12426)
Frame / motor cover hood	Standard: Galvanized Steel
	Optional: Powder coated Steel Stainless Steel 441/316/304
Curtain	Standard: PVC curtain 1300 gr/m ²
	Optional: 1700 gr/m ² Insulated 7 mm, 3.3 W/m ² k Translucent 35/40% FDA (white) Antistatic

ROLL UP DOOR

Roll Door CB 125 is a self-repairing * roll up door designed to separate overpressured sterile environments.

Thanks to its tightness, compact structure and its special sliding system, Roll Door CB125 guarantees controlled loss of pressure and allows the ventilation systems and air purification to operate correctly.

Its patented sliding system guarantees safe operations: in **case of an accidental collision, the curtain is released and reinserted after one cycle.**

* System on demand cause it could change air permeability values

Roll Door MS 150



Roll Door MS 150 is designed to create a protective mechanical barrier for machineries and automated lines. Equipped with a Safety Micro switch installed in the bottom part of column (accessible), that assures a signal of door closed separately to the control panel.



TECHNICAL DATA

Maximum dimensions	W 6000 mm x H 5000 mm
Speed	Max opening speed up to 1,8 m/s
	Closing speed 0,8 m/s
Wind resistance	3000 x 3000 Class 4
Frame / motor cover hood	Standard: Galvanized Steel
	Optional: Powder coated Steel Stainless Steel 441/316/304
Curtain	Standard: PVC curtain 1300 gr/m ² , 6 W/m ² K
	Optional: Translucent 35/40% FDA (white) Antistatic

Roll Door B-Drive®

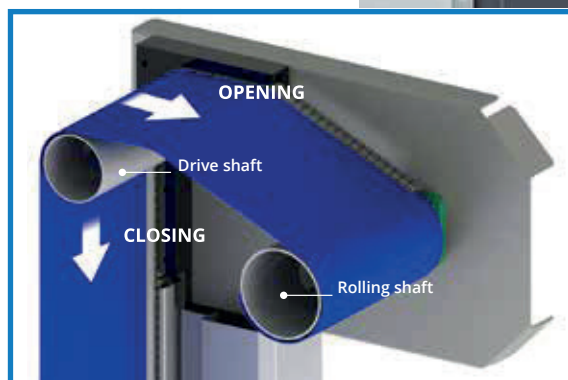
ROLL UP DOOR

The **Roll Door B-Drive** represents a new concept of the self-repairing high-speed door, it is designed (for outdoor use) to work even in extreme wind and vacuum conditions, thanks to a "push & pull" system which always guarantees door closure.

The new patented fabric, with its new special anti-torsion zip, does not allow any twisting movement and therefore no jamming in case of impact or during the realignment, post-impact.



Exterior door
RESISTANCE TO WIND
UP TO CLASS 5



TECHNICAL DATA

Maximum dimensions	W 10.000 mm x H 6000 mm
Speed	Max opening speed up to 3 m/s
	Closing speed up to 3 m/s
Wind resistance	< 5000 mm: Class 5 da 5100 mm a 6500 mm: Class 4 da 6500 mm a 8000 mm: Class 3 oltre 8000 mm: Class 2
Frame / motor cover hood	Standard: Galvanized Steel
	Optional: Powder coated Steel Stainless Steel 441/316/304
Curtain	1.300 g/m ² 1.700 g/m ² insulated 7 mm Antistatic / Translucent

**EXTERIOR DOORS
RESISTANCE TO WIND
UP TO CLASS 5**



TECHNICAL DATA

Maximum dimensions	W 5000 mm x H 5000 mm
Speed	Max opening speed up to 3 m/s
Wind resistance	< 5000 mm: Class 5
Frame / motor cover hood	Standard: Galvanized Steel Optional: Powder coated Steel Stainless Steel 441/316/304
Curtain	Polyester and double insulated curtain 1.300 g/m ² 12x12 1.700 g/m ² insulated 7 mm Antistatic / Translucent



Roll Door B-Drive SP

ROLL UP DOOR

The **Roll Door B-Drive SP** improves the basic model of the series and represents a further step forward in the innovation of self-repairing high-speed doors with PVC curtain. The door features the innovative “push & pull” system and a spiral coiling system that allows the door to be rolled up better, ensuring its duration over time.

The BDrive series doors guarantee greater safety thanks to the absence of weights, ballasts, or horizontal bars which are necessary for models with gravity closing.



Full Vision



Roll Standard

TECHNICAL DATA

Maximum dimensions	W 6000 mm x H 5000 mm
Speed	Max opening speed up to 1,2 m/s
	Closing speed 1,2 m/s
Wind resistance	Class 0
Frame / motor cover hood	Standard: Galvanized Steel
	Optional: Powder coated Steel
	Stainless Steel 441/316/304
Curtain	Standard: PVC curtain fabric 1300 gr/m ²
	Optional: 1700 gr/m ² Insulated 7 mm, 3.3 W/m ² k
	Translucent 35/40% FDA (white) Antistatic

ROLL UP DOOR

ROLL is a roll up door with a easy automation and a simple design to be used for all kinds of installations, where it's not required to have high and specific technology on the door or a strong wind resistance.

Perfect for internal installation this door will replace in time the need of strip doors and thanks to its galvanized steel self-supporting frame is ideal for each industrial application.



Outside



Inside

PACK

TECHNICAL DATA

Maximum dimensions	W 12.000 mm x H 15.000 mm
Speed	Max opening speed up to 1 m/s
	Closing speed 1 m/s
Wind resistance	Standard Class 2 up to 35 m ² further on project till Class 4
Frame / motor cover hood	Standard: Galvanized Steel
	Optional: Powder coated Steel Stainless Steel 441/304/316
Curtain	Standard: PVC curtain fabric 1300 gr/m ²
	Optional: 1700 gr/m ² Insulated 3 mm 1700 gr/m ² Insulated 7 mm Translucent 35/40% FDA (white) Antistatic

FOLD UP DOORS

PACK door is a fold up door composed by perimeter self-supporting frame in galvanized steel and a PVC curtain reinforced with horizontal steel bars.

The patented conical guides give to the PACK® a low air permeability. PACK® door is suitable for all kind of industries, for internal and external applications. It is designed for big openings and for a long life and its the right solution in case of strong wind and depressions.



TECHNICAL DATA	
Maximum dimensions	W 12.000 mm x H 15.000 mm
Speed	Max opening speed up to 1 m/s
	Closing speed 1 m/s
Wind resistance	Standard Class 2 up to 35 m ² further on project till Class 4
Frame / motor cover hood	Standard: Galvanized Steel
	Optional: Powder coated Steel Stainless Steel 441/304/316
Curtain	Standard: PVC curtain fabric 1300 gr/m ²
	Optional: 1700 gr/m ² Insulated 7 mm Translucent 35/40% FDA (white) Antistatic

Wide Pack 200

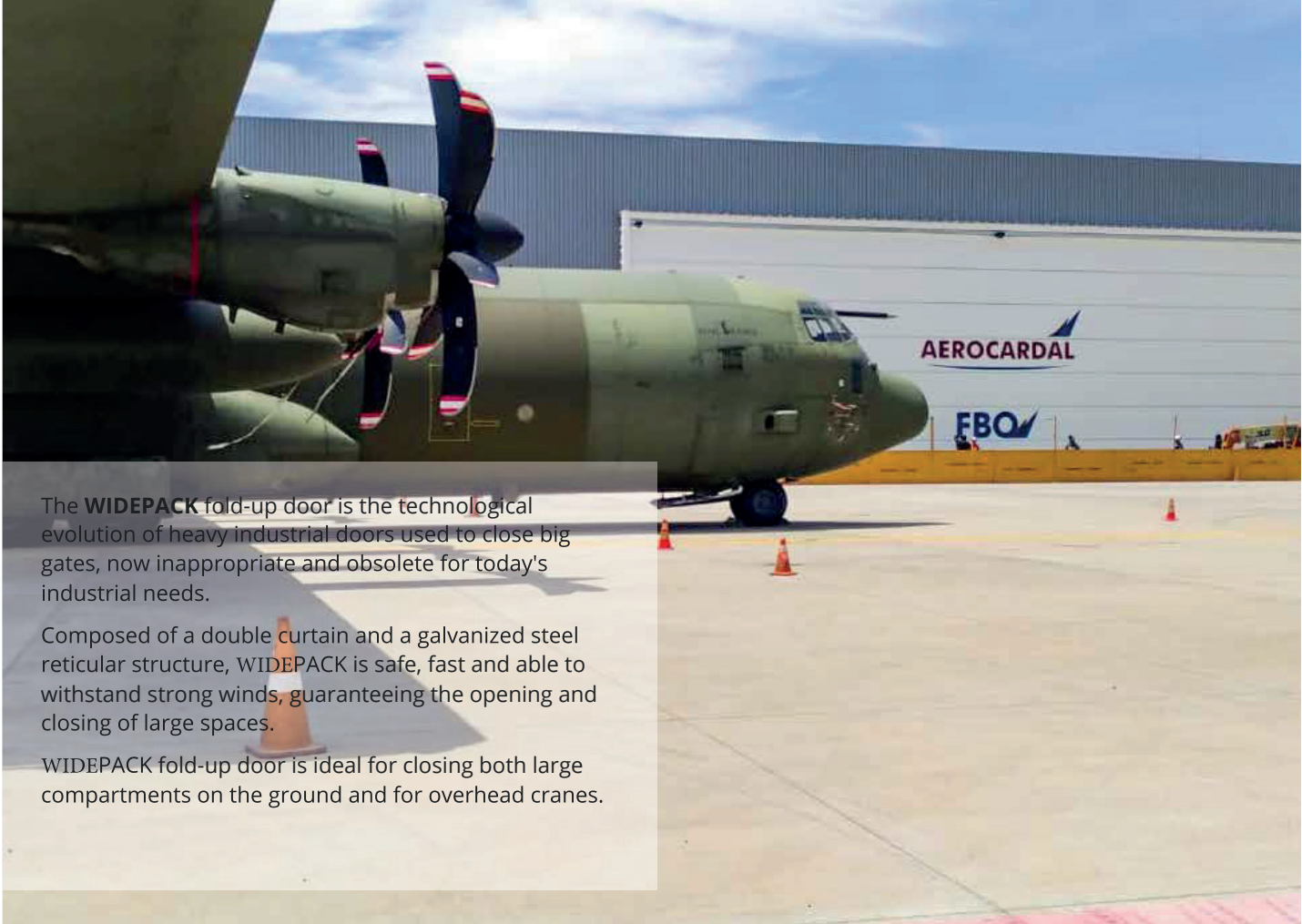
The **WIDEPACK 200** folding door is the compact model of the WIDEPack series and is designed to meet all the needs of those industrial environments, mainly outdoors with more limited space. Also equipped with two curtains, but with a more compact structure, it guarantees energy saving, reliability with minimum maintenance and long life.



TECHNICAL DATA

Maximum dimensions	W 14.000 mm x H 12.000 mm
Speed	Max opening speed up to 0,8 m/s
	Closing speed up to 0,8 m/s
Wind resistance	0.45 – 1.6 kPa, depending on size (Class 2–5, EN 12424)
Frame / motor cover hood	Standard: Galvanized Steel
	Optional: Powder coated Steel Stainless Steel 441/316/304
Curtain	Polyester and double insulated curtain 1.300 g/m ² 12x12 1.700 g/m ² insulated 7 mm Antistatic / Translucent

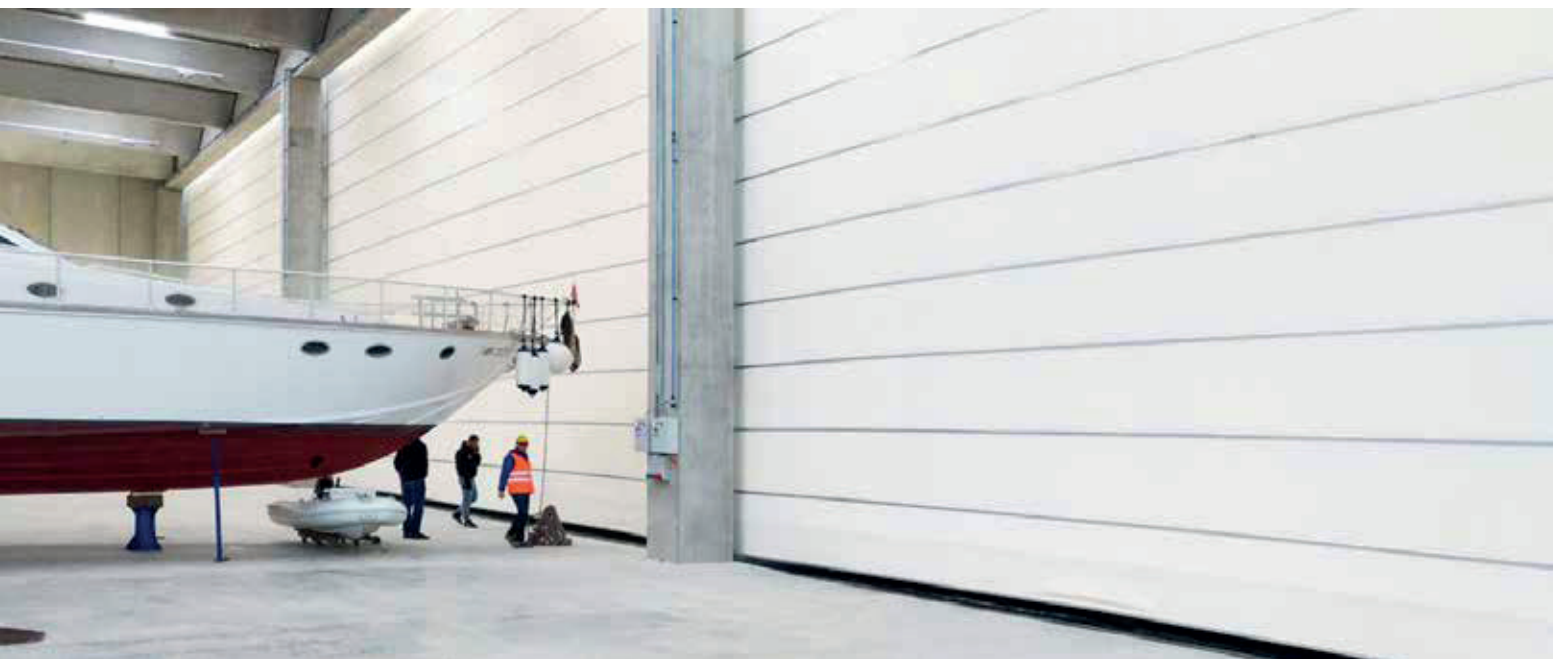
Wide Pack



The **WIDEPACK** fold-up door is the technological evolution of heavy industrial doors used to close big gates, now inappropriate and obsolete for today's industrial needs.

Composed of a double curtain and a galvanized steel reticular structure, WIDEPACK is safe, fast and able to withstand strong winds, guaranteeing the opening and closing of large spaces.

WIDEPACK fold-up door is ideal for closing both large compartments on the ground and for overhead cranes.



TECHNICAL DATA

Maximum dimensions	W 35.000 mm x H 20.000 mm
Speed	Max opening speed up to 0,3 m/s
	Closing speed 0,3 m/s
Wind resistance	Up to Class 4 / higher classes on a project basis
Frame / motor cover hood	Standard: Galvanized Steel
Curtain	Standard: Double PVC curtain fabric 1300 gr/m ²
	Optional: Double insulated curtain PVC 1700 gr/m ²

Spiral Doors

INSULATED ROLLER DOOR

SPIRAL DOORS are insulated industrial doors with patented, high density polyethylene circular spiral winding and are suitable for countless sectors. The high product quality is based on aesthetics and high performance in terms of safety and thermal-acoustic insulation. SPIRAL DOORS, with limited maintenance, have aluminium or steel panels covering with double walls and reduced overall dimensions without the need for ceiling anchors.



Spiral 80 Cold Room

Insulated high speed door specifically designed for low temperature resistance down to -25°C, perfectly adapts to the food and refrigeration industry.

TECHNICAL DATA

Maximum door size (W x H)	6500 x 6500 mm	Wind load 3000 x 3000 5000 x 5000 6000 x 6000	Class: 4 3 3
Opening speed	~ 1,5 m/sec. *		
Closing speed	~ 0,5 m/sec.		
Thermic value	0,7 W/m ² K	Applications	Inside and outside

*depending on the door size **

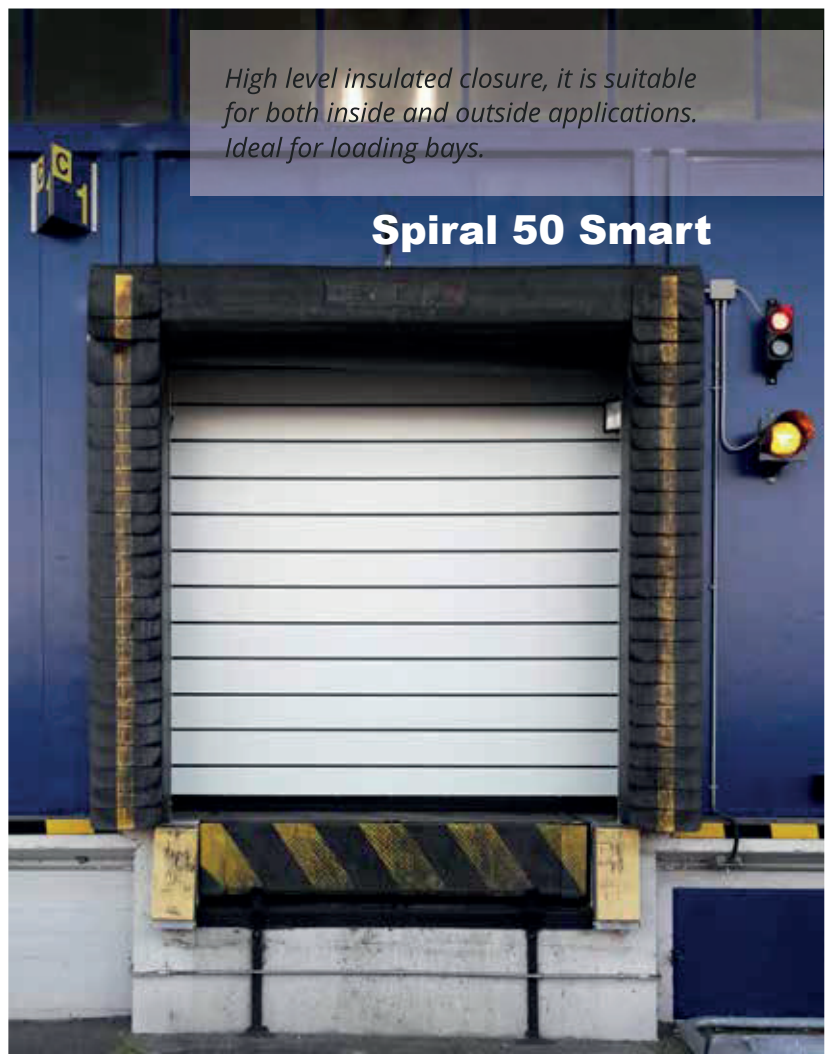
Spiral Iso 50

Top of the range among insulated roll up doors, it's suitable for both internal and external applications.



Spiral 80 Special Application

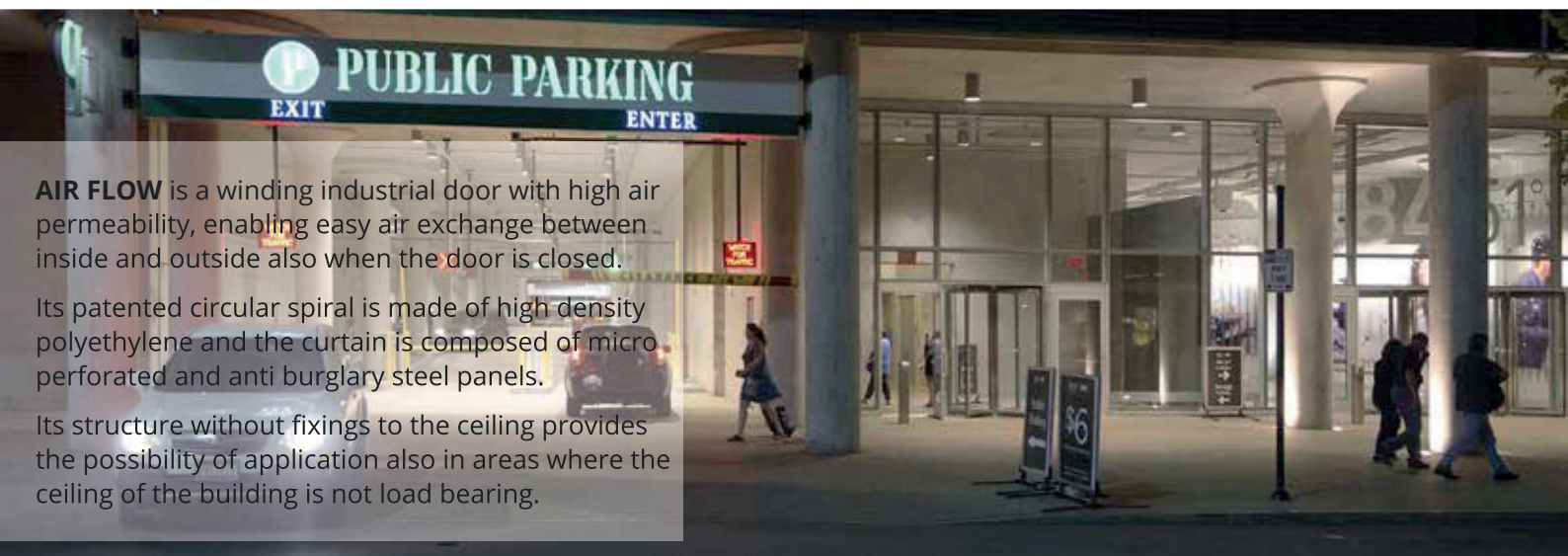
Roll up door designed for special applications able to maintain high thermal insulation and soundproofing.



High level insulated closure, it is suitable for both inside and outside applications. Ideal for loading bays.

Spiral 50 Smart

Spiral Air Flow



AIR FLOW is a winding industrial door with high air permeability, enabling easy air exchange between inside and outside also when the door is closed.

Its patented circular spiral is made of high density polyethylene and the curtain is composed of micro perforated and anti burglary steel panels.

Its structure without fixings to the ceiling provides the possibility of application also in areas where the ceiling of the building is not load bearing.



TECHNICAL DATA

Maximum door size (W x H)	6500 x 5000 mm	Opening speed	~ 2 m/sec.*
		Closing speed	0,5 m/sec.
Wind load	Class 4	Applications	Inside and outside

*depending on the door size **

Spiral Low Headroom



Spiral Stainless Steel panel



Spiral Full Vision panel



INSULATED ROLLER DOOR

Classic

CLASSIC insulated closure is suitable for many industrial environments due to the small size of the winding and the total absence of footprint when the damper is open; it requires low maintenance and has an unbeatable value for money.

The coat, made up of aluminium panels or double-walled steel, wraps on a roller in direct contact with the motor. Polycarbonate windows can be inserted to improve indoor lighting.

TECHNICAL DATA

Maximum door size (W x H)	7000 x 5000 mm	Opening speed	~ 0,1 m/sec.
		Closing speed	0,1 m/sec.
Wind load	Class 4	Applications	Inside and outside

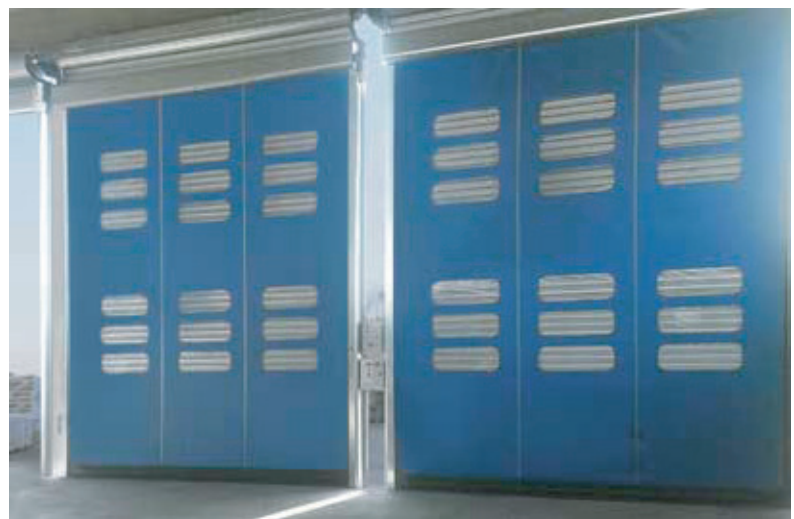
Komby

INSULATED ROLLER DOOR AND HIGH SPEED DOOR

KOMBY is an insulated roller door designed from the combination of a PVC high speed door and Classic door.

The steel frame of the insulated door ensures good security, and the fabric curtain provides fast opening speed.

KOMBY is a highly versatile door, and the fabric curtain can be printed with custom graphics.

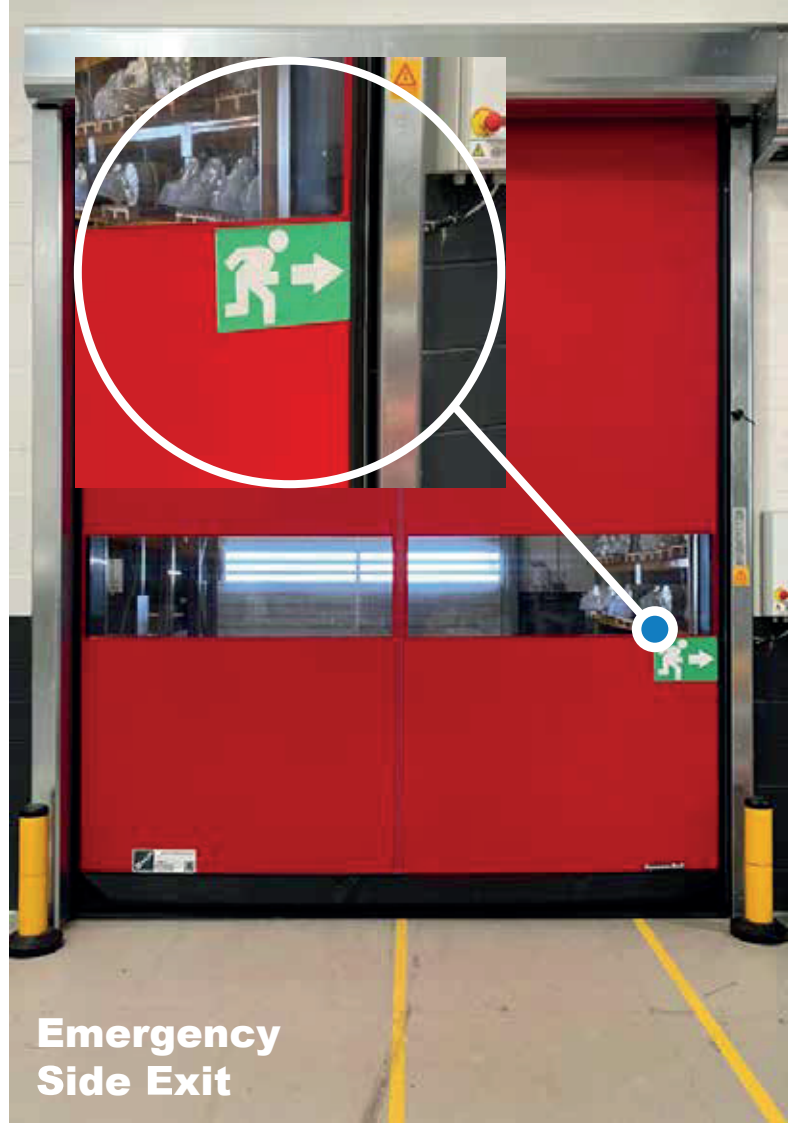


TECHNICAL DATA

Maximum door size (W x H)	5000 x 5000 mm	Opening speed	PVC: 2,5 m/sec. stainless steel / INOX: 0,3 m/sec.
Wind load	Class 2	Applications	Outside



**Emergency Exits
(Central by Velcro)**



**Emergency
Side Exit**

COUNTERWEIGHT

- Automatic opening in case of Black Out
- Open by mechanic release

UPS

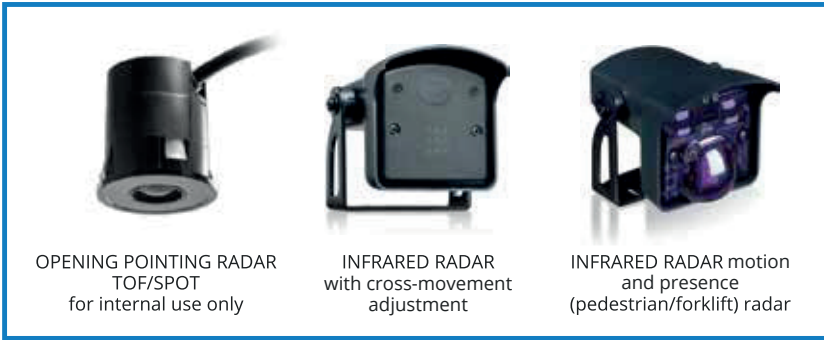
Electric Opening System by extra electronic card system available for (230 / 400 / 460v) 50/60 HZ.
Opening: Automatic black Out by external push button

"T" CUT

Emergency opening system of the curtain:

- Pushing the fabric (< 18 kg) centrally or at side in correspondence to the marc, the curtain get open making emergency escape route
- Approval from fire department ("T" cut) - Available for Roll Door series

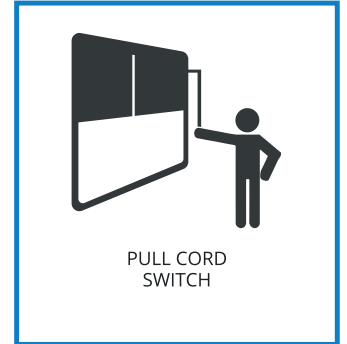
RADAR



TRAFFIC LIGHTS



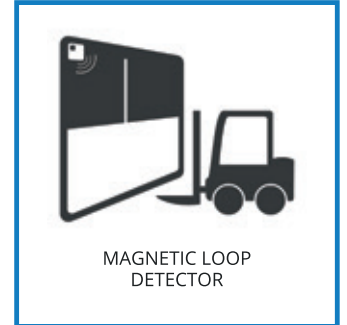
PULL CORD SWITCH



BUTTONS



MAGNETIC DETECTOR



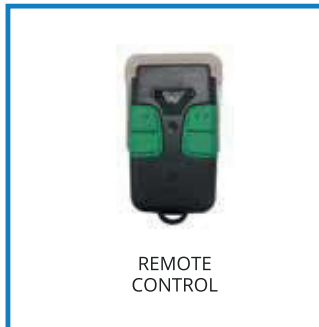
WIND GAUGE



SELECTOR



REMOTE CONTROL



BOLLARD



Technical Data

STANDARD CURTAIN

Composition and tests







External side	Material Color Thick	PVC Opaque 12 standard (mm) 0,7
Fabric	Material N. tarps Title (EN 2286-2)	PES 1 1100Dtex 12x12 900 g/m ²
Internal side	Material Finishing Color Thick	PVC Rough 12 standard (mm) 0,2 mm
Temperatures resistance	(ISO 1876-1)	-30°C +70°C
Hydrolysis test	75°C 95% humidity	None variation
Gas oil test	(ISO 1421)	None variation
Marine water test	(ISO 1421)	None variation
Ozone test	(ISO 3011)	None crack
T storage /	(°C)	-30 +65
Flame test	(ISO 3795)	< 100 mm/min
Perforation	(RINA 3.A1.2.7)	(N) > 100
Exercise 7 days - 70°C	(ISO 6065)	None variation

INSULATED CURTAIN (optional)

Composition and tests














External side	Material Finishing Color Thick	PVC Straight 4 standard (mm) 0,5
Fabric	Material N. tarps Title (EN 2286-2)	PES 1 1100Dtex 12x12 1350 g/m ²
Internal side	Material Finishing Color Thick	PVC Sponge 4 standard (mm) 2,8 mm
Temperatures resistance	(ISO 1876-1)	-10°C +70°C
Hydrolysis test	75°C 95% humidity	None variation
Gas oil test	(ISO 1421)	None variation
Marine water test	(ISO 1421)	None variation
Ozone test	(ISO 3011)	None crack
T storage	(°C)	-30 +65
Flame test	(ISO 3795)	cl 2, NFPA 701 test 2
Perforation	(RINA 3.A1.2.7)	(N) > 100
Exercise 7 days - 70°C	(ISO 6065)	None variation

Windows

Type of windows (in transparent pvc or micromesh)		
 850x300mm  1200x300mm	 Ø 600mm	 1000x500mm  800x500mm  1200x500mm
Type of door		
Roll Door, Roll, Pack	Roll Door	Roll Door / Roll

Available colors

Standard

Simil RAL 9010 	Simil RAL 7035 	Simil RAL 7037 	Simil RAL 7042 
Simil RAL 1003 	Simil RAL 6026 	Simil RAL 6018 	Simil RAL 7016 
Simil RAL 1015 	Simil RAL 5012 	Simil RAL 5010 	Simil RAL 5002 
Simil RAL 2004 	Simil RAL 3002 	Simil RAL 8017 	Simil RAL 9005 



FDA

Simil RAL 9010 <input type="checkbox"/>
Translucent <input type="checkbox"/>


Bicolor

Simil RAL 9006 / 7035 

Bicolor special

Simil RAL 5002 / 9010 
 Simil RAL 7035 / 9010 

Insulated

Simil RAL 3002  Simil RAL 9010
 Simil RAL 5002  Simil RAL 2004 
 Simil RAL 7035  Simil RAL 1003 



PORTCULLIS

S I T E S E R V I C E S L T D

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