



Customized solutions of  
Industrial Doors and PVC Tent



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Since 1959, serving industrial and commercial construction sector
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## COMPANY

Since 1959, COIL has been synonymous with closures for industry and commerce and is a leading manufacturer in the Italian market in this sector.

A history of talent and courage, of changing and adaptation to the needs of customers, which has allowed the introduction over the years of several proprietary technical solutions, such as the first roll-up door with sectors interchangeable in 1989 and the first modular device SAM bidirectional for swing doors in 1988.

From an artisan company, it has later chosen to grow and to be mechanized for an industrial type of production with the constant expansion of the range of doors. Today in the unit of Rho (Milan) also realizes movable warehouses in PVC and metallic carpentry constructions.



## COMPETENT CONSULTANCY

Providing customer service and advice is a key part of our business. priority, from the design phase to final installation and after-sales service.

The competence gained over the years allows us to propose suitable and customized product solutions for every need.

## QUALITY AND SAFETY

Technical construction capacity, choice of materials, care of the finishes allow a high quality standard. Behind every realization there is the knowledge of the different fields of application and the relative safety regulations, with the issue of the original CE conformity certifications.



## INSTALLATION AND SERVICE

Installation operations are carried out by qualified technical personnel, who provide a continuous on-site assistance during all phases of implementation. Scheduled maintenance operations ensure efficiency and operational safety over time.

# WHAT WE DO

The experience acquired by COIL in decades of activity has allowed to develop different production lines to meet the needs of industrial and commercial construction. Doors, high speed doors and movable warehouses, made to measure and according to specific customer needs, guarantee functionality, safety and efficiency, depending on the application fields.

## Production unit



### **INDUSTRIAL AND COMMERCIAL DOORS**

For small to large compartments. Designed and built to regulate the flow of people and vehicles, in maximum safety and in the shortest possible time.

**ROLL-UP Doors**

**FOLD-UP Doors**

**FLEXIBLE or RIGID DOUBLE ACTION Doors**

**SLIDING Doors**

**PVC STRIPES Closures**

**FOLDING Doors**

**DOCK SEALS**



### **INDUSTRIAL PVC TENT AND CANOPIES**

Particularly useful to set up covered spaces that need to be flexible and easy to move, for outdoor storage of commodities and materials, and to overcome the problem of lack of building space.



### **LIGHT METALLIC CARPENTRY**

Realization of products of light metal carpentry: industrial and civil steel sheds, safety metal stairs, trusses, architectural structures in steel.





**since 1959**

we work in the industrial and  
commercial building service

# RAPID DOORS

In industrial and commercial environments, the rapid door is suitable to optimize and improve traffic flows of vehicles and people. The speed of operation, in opening and closing, ensures an effective thermal barrier between different environments, with a significant reduction in energy costs.

Tested to deal with hundreds of thousands of operating cycles, they ensure absolute reliability to guarantee maximum safety against accidents.

The compact design, wind, rain, snow resistance, dust protection and low maintenance are further factors that determine the choice.







## OPENING SYSTEM

### Devices

Opening and closing of COIL doors is performed by: manual control systems such as wall push-buttons or chains on ceiling; remotely control such as radio transmitters, push-buttons or chains with radio control; automatic systems, with radar, photocells, platform and floor magnetic field. Door interface is complete and can be connected to PLC control systems.



## MANTLE

### High toughness

The standard material used for the mantle of the rapid doors is a highly resistant polyester fabric, coated with PVC on both sides, fire extinguisher in Class 2. PVC mantles are also available transparent, for maximum visibility, microperforated to increase ventilation and with insulated treatment, for a better thermal and acoustic insulation.



## CUSTOMISATION

### Colours and prints

The door mantle is available in a number of different colours to match those of the company or to the environment and can be customized partially or completely, with logos and silkscreen or laser-printed images, for effective visual communication. Multiple installations in different environments such as supermarkets, retail stores and car dealerships.

# RAPID DOORS

The rapid doors can be installed as indoor or outdoor closures, acting as partition walls, facades and dividers to protect different working environments, both in masonry warehouses and on movable tunnels or hangars of large dimensions.

The range of COIL rapid doors, vertical roll-up or fold-up, is wide and varied to meet every need in terms of size, location and use. From interchangeable sector versions to models with self-repairing mantle, which reduce downtimes and repair costs in the

event of a collision, to versions for cold rooms, guaranteed down to -60°, to explosion-proof versions, for ATEX classified environments, to maxi doors, for large rooms.

More than 130,000 doors are now installed and over the years COIL has established itself as a leading supplier in the food and refrigeration, chemical and pharmaceutical, automotive, large-scale retail, hospital, RSU treatment plants and railways sectors.

## STAR 300

Roll-up door with a compact and accurate design, with a counterbalanced and stretching single PVC mantle. Thanks to the patented counter-tensioning system and to the vertical anti-stretch reinforcements, the flexible door leaf is completely transparent with no horizontal staves or reinforcement bars.

## STAR 250

Compact, high-speed design. The mantle can be with interchangeable sectors completely transparent or rigid composite. The mechanics and the control panel are inserted inside the structure, it is easy to place indoors, with the possibility of installation within door jambs.

## STAR 250 Plus

Made of AISI 304 stainless steel, this product meets the requirements of sanitization and guarantees maximum environmental hygiene, for example in the food, chemical and pharmaceutical industries. The completely transparent, interchangeable sector mantle ensures maximum brightness in the environments where it is installed.



## Electronic control unit

Electronic programmer for the total management of the operation of the high speed doors. Also available with single-phase 230 V Inverter. It allows to customize speed settings of ups and downs of the mantle and the slowdown in opening/closing limit switch phase. Possible extension and remotes control. Equipped with large and specific display for programming, diagnostics and verification of operating cycles.

A photograph of a large industrial building with a grey corrugated metal roof and blue walls. Several large, blue, high-speed fold-up doors are visible, each with multiple horizontal panels and small rectangular windows. The doors are partially open, showing the internal mechanism. Yellow and black striped safety bollards are positioned in front of the doors. A sign above one of the doors reads "SPEZJALNE WYKŁADKI".

## HIGH SPEED FOLD-UP DOORS

The industrial door with a high speed roll-up opening, is particularly suitable for fast transit in industrial and commercial environments. It has features of reliability and durability with a compact structure. The vertical sliding of the flexible mantle is extremely quiet, the opening and closing speed and of the positions in-between are adjustable, special sensors such as safety ribs, radar or photocells, ensure the operation in safety and can be remote-controlled. They are custom-made for compartments of 1.50 to 6 meters wide and 5 meters high.

## REKORD EVO

Optimal solution for the partitioning between the processing and packaging environments of the food industry and the transit areas between the sales and storage zones, typical in large retail chains. High speed, resistance of the crossbar and the vertical uprights to air, dust and vapour. Self-repairing mantle, it can be positioned on escape routes or emergency exits, when equipped with anti-panic device.

## HIGH SPEED ROLL-UP DOORS





## AGROPHARMA

Designed to divide operating and/or storage environments in the food and pharmaceutical sectors, it allows to automate operators' passage by isolating different environmental zones, without introducing operating barriers. Suitable for environments that require frequent and constant washing, leakproofing (clean room), low maintenance. Available as an option with self-repairing system.



## PAT

The compact structure allows easy installation, reducing the possibility of accidental impact. The flexible mantle with interchangeable sectors allows a simplified maintenance and therefore a low management cost. Available in self-repairing version, for environments with heavy traffic of forklifts; AISI 304 stainless steel, for highly sanitized environments; Pneumatics for classified as explosion-proof environments and anti-panic for total safety.



## PAL

A unique coat in polyester fabric, reinforced with steel tubes, it is a particularly wind-resistant door and ideal for large openings. Available in AISI 304 stainless steel versions for highly sanitized environments, Pneumatics for operation in explosion-proof and panic-proof environments, which can also be combined with centralized safety logic.

## STAR ARTIC

Maintaining a constant negative temperature in freezer systems or cold stores is the main objective of STAR Article. The flexible and transparent Super Polar mantle, withstands up to -60° and allows maximum visibility.



## REKORD

Equipped with a breakthrough system with automatic reset, in the event of accidental impact the mantle comes out of the sliding guides without being damaged and continues to operate by rewinding the mantle on the upper shaft. At the next closing cycle, and without any action by the operator, the mantle is guided back into the uprights. Ideal for installations as an indoor partition for commercial and food and chemical pharmaceutical production environments.

## ATEX

Vertical roll-up doors for ATEX classified environments use a fully pneumatic automation system. Motorization, control panel and operator controls, work with compressed air only, providing the same functionality as an electric version. Standard dimensions up to mm. 4000 x H 5000 (larger dimensions on request). Optional pneumatic system for interfacing two interlocking ATEX doors.







The background of the entire page is a photograph of a large industrial building. It features several tall, green, fold-up doors that are partially open, revealing the interior structure. The building is constructed with metal frames and has a series of horizontal slats on the doors. The sky is blue with some light clouds. In the bottom right corner, a small yellow forklift is visible on a paved area.

# RAPID FOLD-UP DOORS

The upwards curtain travel of the high speed fold-up door, is carried out by lifting belts which fold and collect the door curtain sections progressively up to the door header. This door is particularly suitable for the automatic opening and closing of compartments subject to heavy traffic and where a high resistance to wind pressure is required (Class 2 or 3), according to the UNI EN 12424 standard, an integral part of the EN 13241-1 regulation. High wind pressure resistance is ensured by a series of steel tubing inserted into specific sleeves heat sealed to the curtain. The rapid fold-up doors are highly resistant to atmospheric agents and dirt and are built to guarantee reliable operation even at temperatures below zero. The self-supporting structure is made of a special galvanised steel profile; it can be requested in AISI 304/316 stainless steel or painted galvanised steel (RAL colours).



## PIC 50 e 75

Self-supporting structure made of special galvanized steel profile or optional AISI 304/316 stainless steel or painted galvanized steel (RAL colours). Motorisation can be lateral (Right or Left PIC50) or front-mounted (Right or Left PIC75).




# RAPID FOLD-UP DOOR

With low maintenance requirements, fold-up doors also have low life cycle costs. They can be manufactured to the required dimensions with various frame thicknesses depending on the door size. The supporting structure of the door does not take up any space on the sides or inside the building, as the door moves straight upwards. Instead of the basic Trevira fabric, various special fabrics are available. A thermally insulated fabric will keep the internal temperature constant, saving money both in cold conditions than hot. A break-in-proof fabric will keep out the unauthorized visitors, while a translucent fabric allows 48% of the light to pass through.





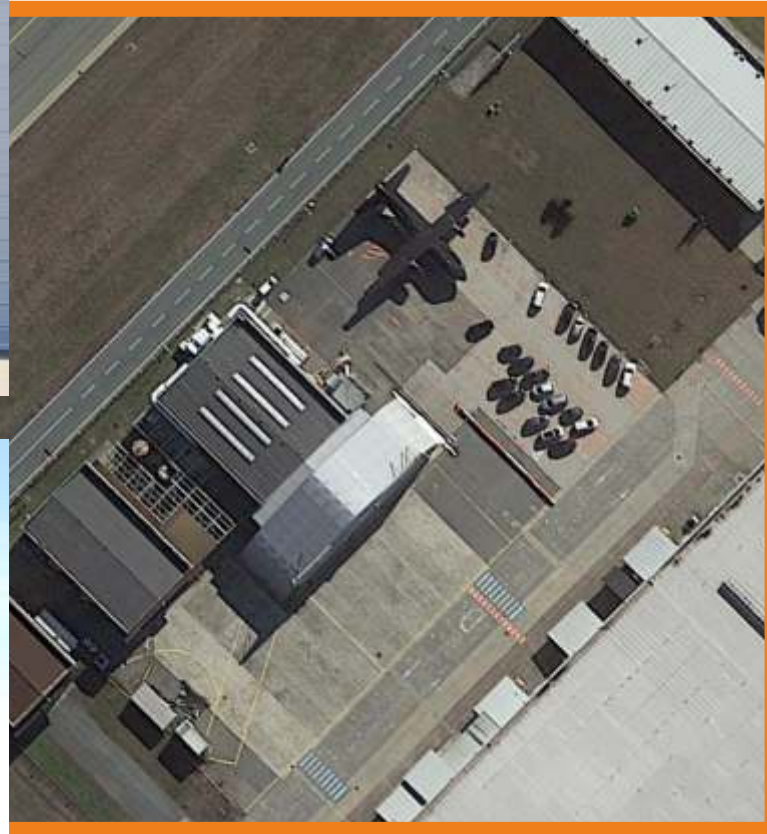




The massive **PIC AluTube** and **MaxiDoor model** upfolding doors are designed for external installations on very large doorways up to a free transit width of 15 meters (50 ft) for AluTube and up to 30 mts (100 ft) for MaxiDOOR, both with single piece or consolidated curtains. AluTube and MaxiDOOR curtains can stand wind pressures up to abt.450 pascal, equivalent to EN 12424 Class 2, part of the EN 13241-1 standards.





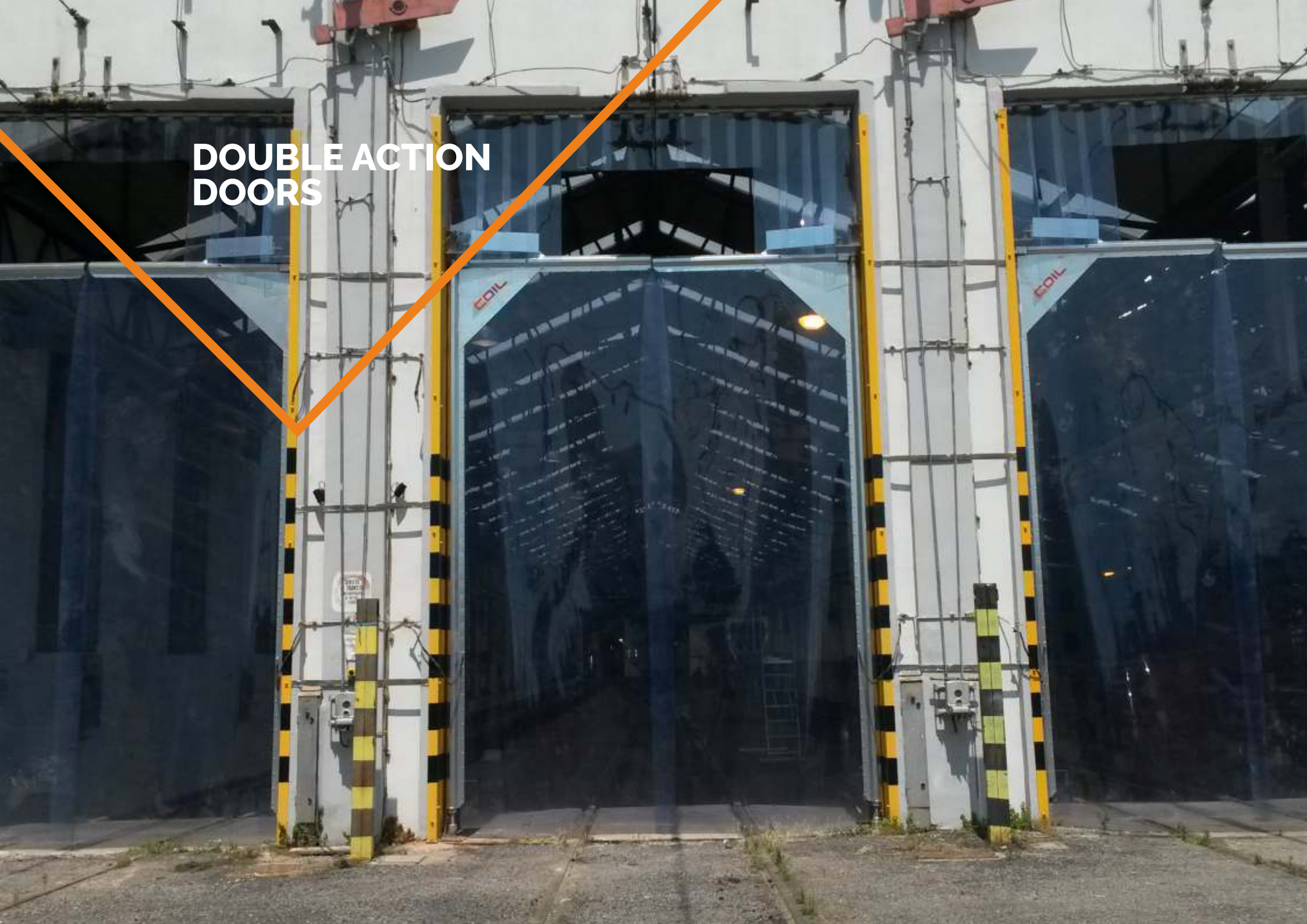


**MAXI DOORS**





# DOUBLE ACTION DOORS





# DOUBLE ACTION DOORS

Flexible swing doors or rigid swing doors, with one or two panels, are available with manual, automatic or sliding opening.

They can be crossed in both directions and are a valid solution for use in both operational and commercial environments.

Available in PVC or high quality Polyethylene panels with AISI 304 stainless steel structure, these doors hinged parts move on ball bearings. They can be automated by means of bi-directional pneumatic push devices (SP), in both directions of travel; unidirectional electropneumatic devices (SE) for automatic opening with remote control; devices with double-acting pneumatic cylinders (DE), for large projects or to avoid the opening of the door due to wind pressure and/or depressions.





## WINDOR FDA

Durable and hygienic

The polyethylene swinging door Windor FDA has a solid structure made from AISI 304 stainless steel profile, certified for food environment use, resistant and hygienic, with transparent portholes. The clean design with no snag construction ensures perfect cleansing wash down and make it a door suitable for supermarket sales points or in highly sanitised environments. Crossable in both directions, thanks to the bi-directional automation, it allows installation on escape routes.



## WINDOR FDA RAIDOOR

Sliding and special versions

Windor FDA can be produced with one or two sliding doors on the side, equipped with electro-pneumatic automatism. This solution allows the installation of a technical closure which does not affect the flow of personnel, even in compartments where the space required for the rotation of the wings does not exist. Special versions are also available for installation in technical areas, toilets and for compartments with guide rail passage, with heights up to 4500 mm.



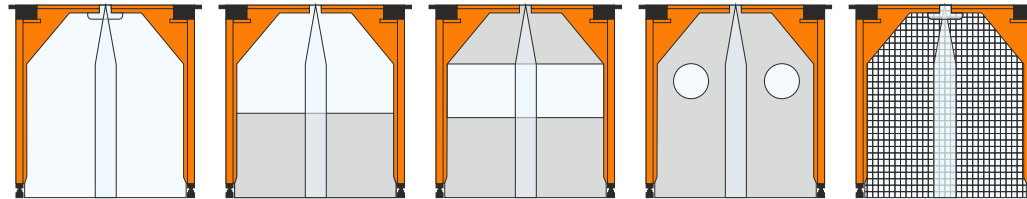
## WINDOR

Flexible in PVC

This swing door with flexible panel thanks to the high quality materials used, in addition to exclusive construction technology, ensure a maintenance free, smooth virtually limitless operating life. Door panels swing operation are mounted on upper and lower rotating supports with ball bearings. Flexible swing panels are made of high-quality, flexible, self-extinguishing PVC or, with a combination of bottom black rubber or opaque PVC and top or central clear PVC sections, for sound insulation and resistance to impact wear and low temperatures.



## WINDOR



The flexible panels, available in different combinations of high quality PVC and rubber.



# PLASTIC STRIPES CURTAINS

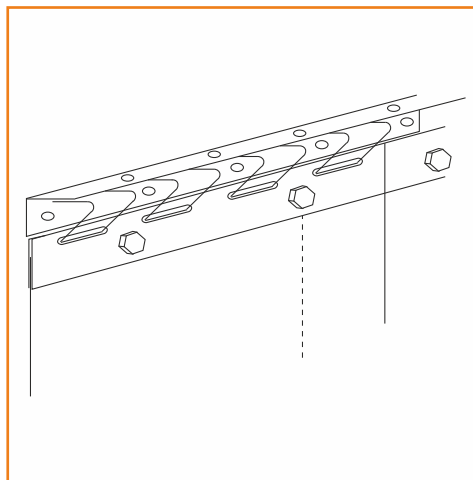
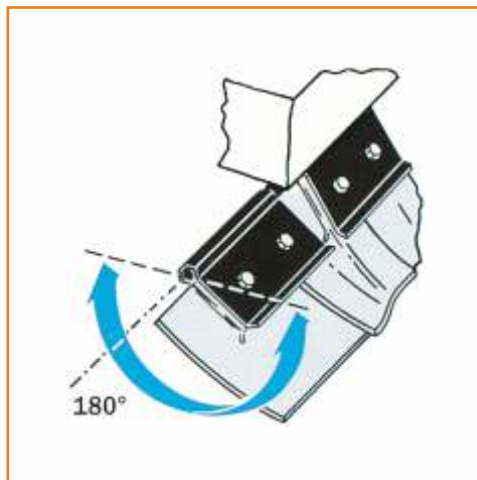
Flexible plastic strip curtains are markedly suitable for closures of large entries. The flexible plastic strip material used for such application has good thermal insulation properties and good isolation from dust, vapors, smoke, noise, etc. This flexible strip curtain improves the working environment in industrial and commercial areas. The strips flexibility allows them to fit perfectly to traveling vehicles, and to restrain the curtain opening to essential, creating the smallest possible aperture for each transit.



## STRUCTURE

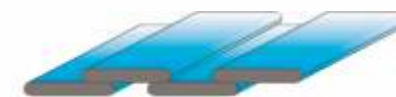
**Self-supporting oscillating support:** cold galvanized steel "Sendzmir", supports modular steel jaws. The zinc-plated steel parts oscillate perfectly by 180°, following the movement of the flexible strips. The support prevents the continuous bending at the point of attachment from causing, in the long run, possible breakage. It is supplied already "made to measure" and pre-assembled, with consequent simplification of the installation work.

**Self-supporting support with quick release:** consists of a profile in galvanized steel or AISI 304 stainless steel with comb, suitably shaped, which facilitates the rapid coupling of strips. Mounted on jaws with differentiated pitches, it allows various solutions of total or partial overlapping. The particular design of the system guarantees in this way the oscillation of the PVC strips without the possibility of leakage from the support. The stainless steel version, particularly suitable for food, chemical and pharmaceutical environments, guarantees easy installation even on partition walls (made of insulating materials) and the possibility of installation where special processes require it.



## STRIPES

Self-extinguishing PVC stripes (DIN 53 382) perfectly transparent and extremely rich in additives plasticizers for unalterable elasticity and flexibility even at low levels temperatures (DIN 51 949). The stripes are extruded slowly with special procedures: they present rounded edges and are cooled in plan to achieve a perfect planarity. Depending on the environmental and insulation conditions that you want to get is possible change the width/thickness of the stripes with partial or total overlay.



Partial overlap



Total overlap



The background image shows a large industrial building with a light-colored corrugated metal upper section and a darker lower section. A red roofline runs along the top. In the foreground, a folding door is partially visible, showing its vertical panels and support structure. The sky is clear and blue.

# **SAFETY CLOSURES** **FOLDING DOORS**

Suitable for transit in industrial and commercial environments of small and large dimensions and in particular in situations where a safety closure is required. Perfectly matched with the entire range of COIL rapid doors, they are a reliable and functional closing system. COIL folding doors are available in the versions with opening to one or more panels, with or without floor guide to be walled up and with upper bearing guide, with manual or motorized opening, extremely easy to handle and silent.





## PANELS

### FOAMED

Structural panel thickness 52 mmV insulated with injected polyurethane foam with a density of 43 kg/m<sup>3</sup> (U value of the central homogeneous zone 0.457 W/sqm K).

### CUSHIONED DOORS WITH PANELS

Door thickness 50 mm. in steel (cold painted and buffered profile with insulated panel thickness 25 mm.).

### DOORS WITH GLASS PANELS

50 mm thick steel door (cold profile painted and buffered with 25 mm thick insulated panel)

# LOADING BAY SEALS

The sealant for the loading point allows to contain the thermal exchange between the internal and external environment near a loading gate during the handling operations of goods. It is resistant to intensive use and, thanks to its deformable structure, fits the size of the vehicle, even in the event of wrong driver maneuver. The sturdiness of the steel structure is maintenance-free. The flexible materials have been selected for outdoor use with temperatures ranging from -30° to +60°.

## SicoTEMP R

Suitable for loading docks.  
dimensions mm 3400 x 3400  
Length 650.

## SicoTEMP T

For loading from the ground.  
Dimensions mm 3400 x  
4500







## FRAMEWORK

Resistant and flexible

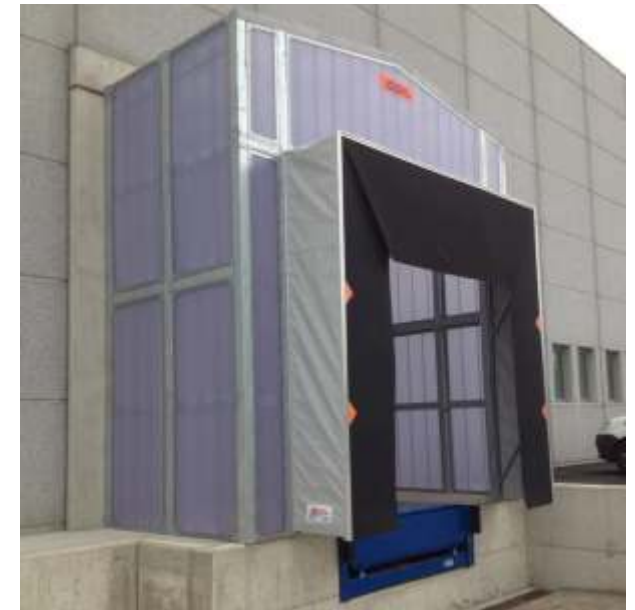
The framework is constructed with galvanized steel sections with suitable dimensions to provide maximal strength and optimum flexibility and has a wall fixing with dual arc design. The two arches are inter-connected by pantograph sections with contracting capability in case of collisions from trucks due to a maneuver mistakes. The front trim finish is anodized aluminum.



## FRONT FAÇADE

Reinforced rubber

Made of unidirectional anti-aging reinforced rubber in matt black. It includes two side and one top sections which adjust to the carrier rear side, with the help of visible pointers, to facilitate the approaching maneuver. Given the thermal excursion to which the sealant is subjected, the unidirectional reinforcement weft rubber maintains an optimal elasticity even in the presence of low temperatures.



## CASING

Trevira PVC

The side and top cover is made of polyester fabric type trevira biplasmated in self-extinguishing PVC class 2. The upper part is equipped with a central lifting system that prevents the accumulation of water in case of rain.

# PVC TENT AND CANOPIES

Industrial tent, such as mobile tunnels or hangars, and canopies, are modular structures that allow you to cover any surface, in a flexible and easily moveable way, solving in many cases the problem of lack of building volume. They are commonly used as storage areas for goods outside the production units, as a covered connection between various existing buildings, as protection for loading/unloading operations. The self-supporting and compact structure allows installation without physical connections to existing buildings and, depending on the needs and conditions of the place and the surface to be covered, there are different solutions with adequate dimensions.



**SELF-SUPPORTING**  
**FRONTAL INSTALLATION**  
**SIDE INSTALLATION**  
**HANGING, CANOPIES**

Structures are designed with wind pressure resistance and snow load resistance in mind, depending on the area of installation. For each covering a structural statics is calculated, with the issue of a computation report.

The supporting structure, made of hot dip galvanized steel, consists of mobile trusses sliding on two tracks on the ground by means of steel wheels (diameter 160 mm), with double ball bearing anti-water and anti-dust. Steel wheel protection casing with accident prevention ergonomics. Self-extinguishing cover Class II with weight of 900 gr/sqm. reinforced in points of greatest work. Tensioning and coupling system of the fabric composed of tear-proof plates in double fabric with a tensile strength of 350 kg. Continuous bands are placed on the trusses subjected to greater stresses.

Pillars adequately proportioned according to the area of installation. Draughting system of the structure by means of rods in solid rods with hook to the ground that remains in the shape of the structure to avoid any dangerous encumbrances. Front closure by means of reinforced curtains (optional with rapid doors or other systems), with steel rods placed at 1000 mm from each other and connected by a chain with tensioning ratchet. Can be supplied with latches on the ground for the partial opening of the sheds.



**60<sup>TH</sup>**  
**YEARS**  
1959 - 2019





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