



Customized solutions of
Industrial Doors and PVC warehouses

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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

DOCK SEALS



PVC WAREHOUSES AND CANOPIES

The warehouses with pvc cover are available in different models: in self supporting structure, for front and side installation, in single or double slope, as connection between different buildings, with insulated panels, of large dimensions and for special uses. They have been designed with the aim of increasing the logistic and production capacity of any company.

LIGHT METALLIC CARPENTRY

Realization of light metal carpentry solutions: 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, with insulated treatment, for a better thermal and acoustic insulation, antistatic with high surface resistivity and slash resistant curtains



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 corrugated metal roof and several large blue high-speed fold-up doors. The doors are partially open, revealing the interior. The building is situated on a paved area with some yellow and black striped safety bollards. A semi-transparent dark grey box is overlaid on the left side of the image, containing the title and descriptive text.

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.

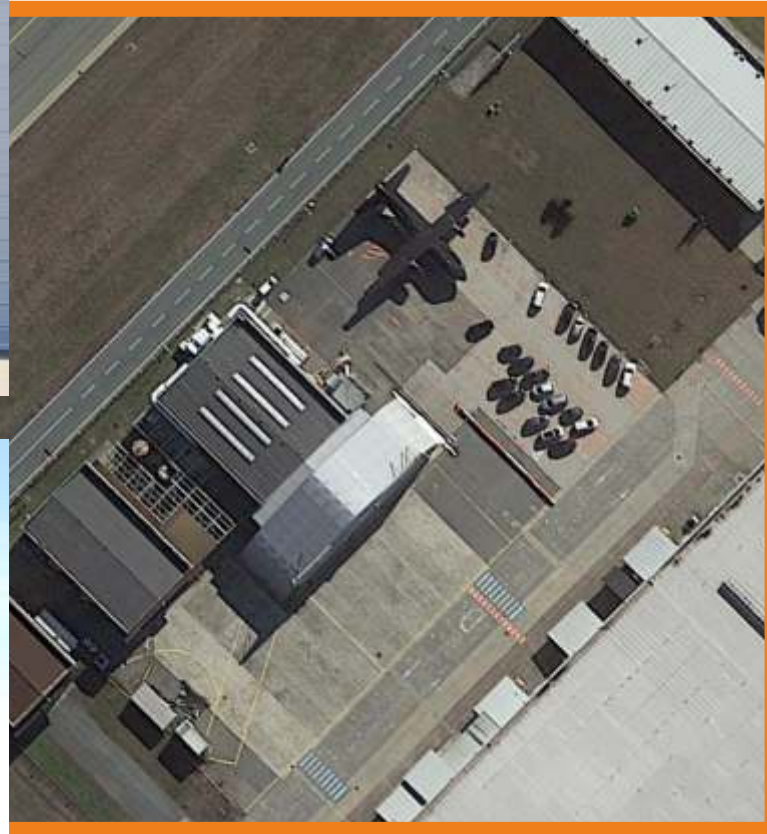






The massive **PIC AluTube** and **MaxiDoor model** upfolding doors are designed for external installations on very large doorways up to a free transit width of 15 meters (50 ft) for AluTube and up to 25 mts (82 ft) for MaxiDOOR, or, on request, composed for larger widths. AluTube and MaxiDOOR curtains can stand wind pressures up to abt.450 pascal, equivalent to EN 12424 Class 2, part of the EN 13241-1 standards.

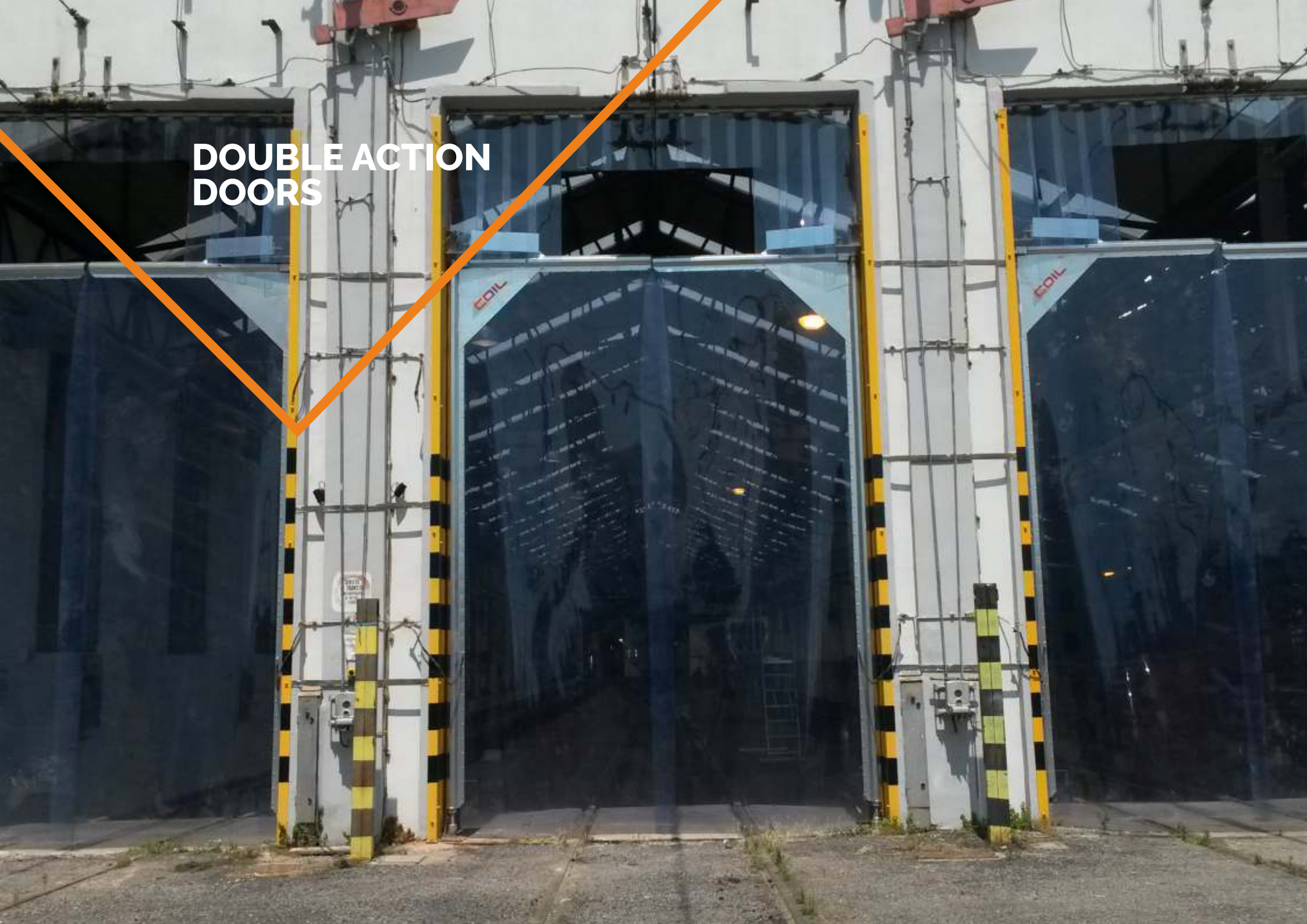




MAXI DOORS



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.

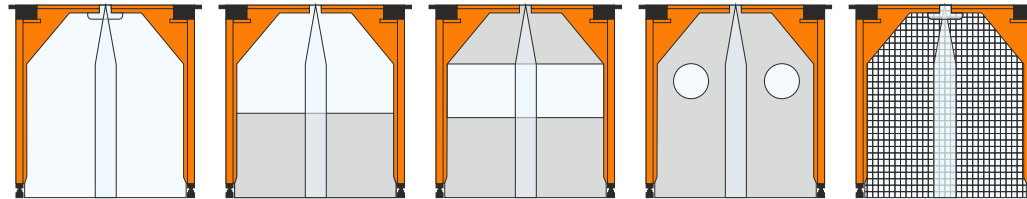


WINDOR

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

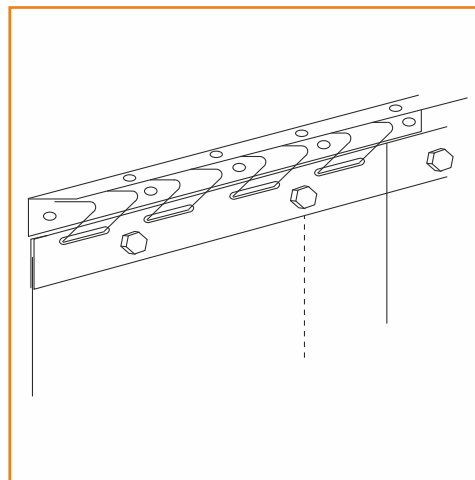
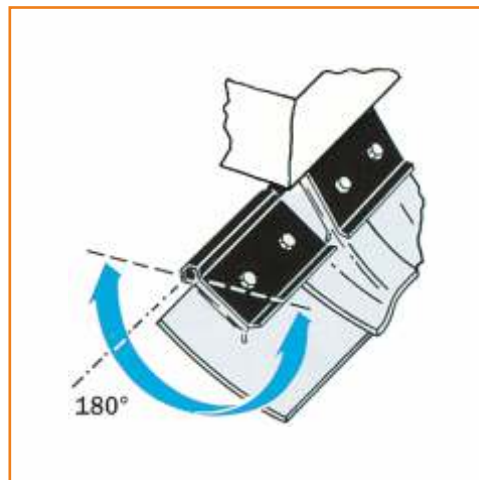
Flexible strip curtains made of transparent PVC are suitable for partitioning of rooms and as flexible barriers even of large dimensions. They are also an economical closure for loading bays. The wear-resistant PVC stripes close tightly and only open to the width of the vehicle or load. This means that even if the curtain is crossed frequently, heat loss is reduced to a minimum, resulting in significant energy savings. The flexible materials used, in addition to the thermal insulation between the compartments concerned, insulate against dust, vapours, fumes and noise, creating a diaphragm that significantly improves working conditions in the industrial, commercial or sanitary environment.



STRUCTURE

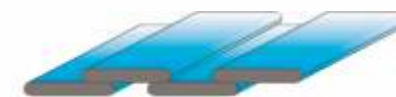
Self-supporting oscillating support: cold galvanized steel "Sendzmir", supports modular steel jaws. The zinc-plated steel parts oscillate perfectly by 180°, following the movement of the flexible strips. The support prevents the continuous bending at the point of attachment from causing, in the long 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. Flexible PVC stripes can be supplied with flame retardant and antibacterial characteristics.



Partial overlap



Total overlap



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

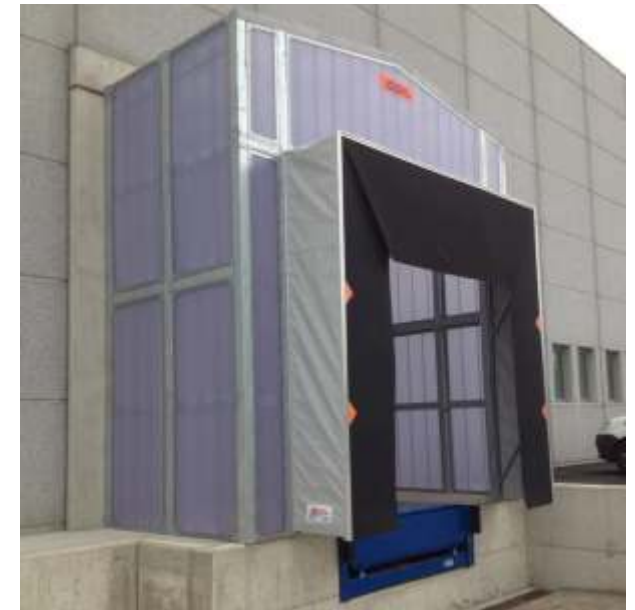
The framework is constructed with galvanized steel sections with suitable dimensions to provide maximal strength and optimum flexibility and has a wall fixing with dual arc design. The two arches are inter-connected by pantograph sections with contracting capability in case of collisions from trucks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

STORAGE BUILDINGS

WAREHOUSES, TUNNELS 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.



Independent storage warehouses

Front and side installation tunnel

Single or double slope and cantilever canopies

Connecting tunnels

Buildings with thermal insulation panels

The storage buildings are hot-dip galvanised steel structures, with PVC fabric covering, available in various models: independent storage warehouses, front and side installation tunnels, single or double slope canopies, cantilever canopies, connecting tunnels, special large-sized warehouses and for special uses. They are ideal to create, in a very short time, production and storage

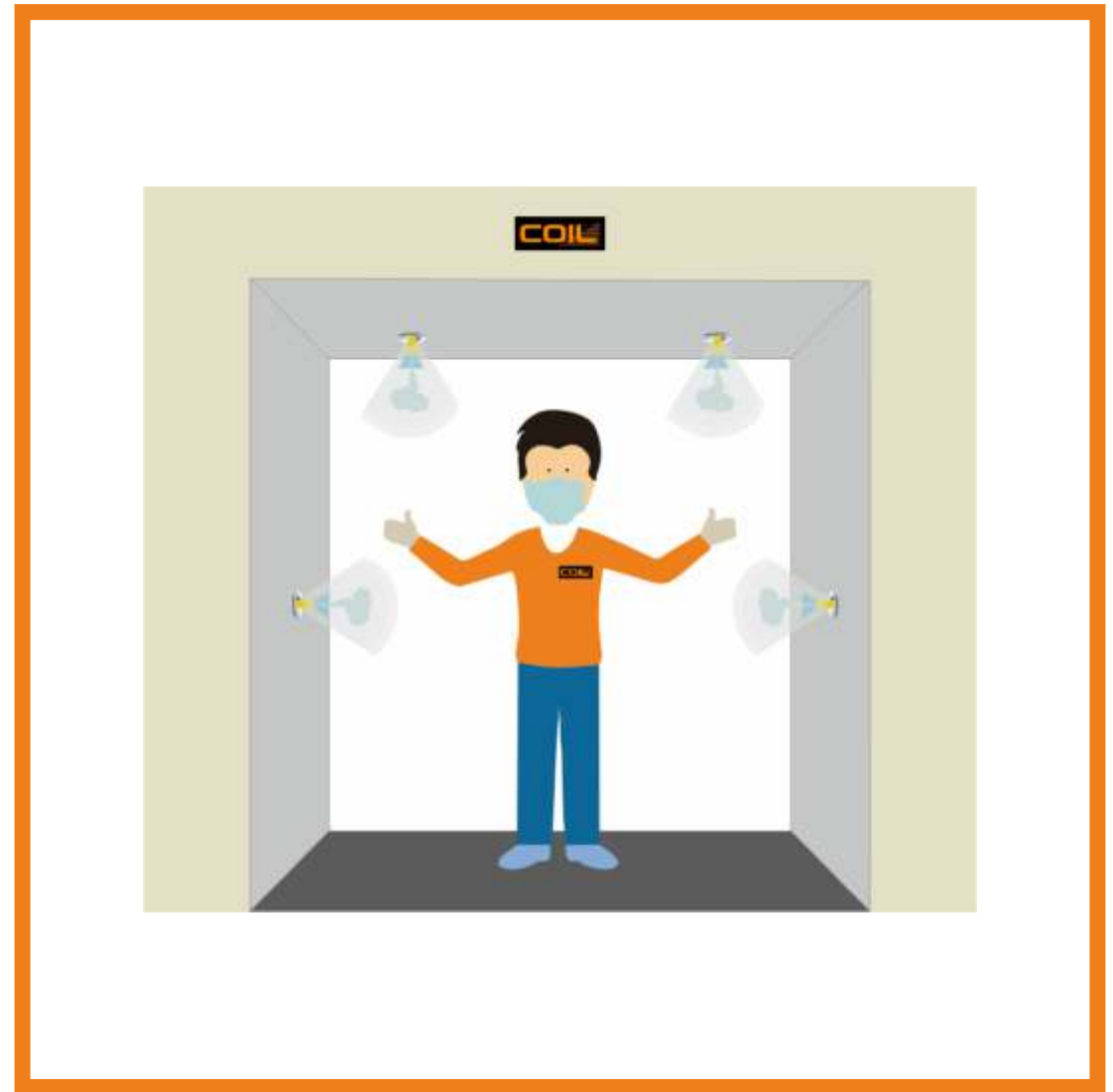
areas or to cover any activity, maintaining the advantages of a fixed but removable structure.

All structures are designed and computed (certifying static and dynamic performance) exactly for the place for which they are destined, guaranteeing absolute safety and resistance over the years.



SANITIZING TUNNELS PERMANENT OR MOBILE

Permanent or mobile sanitizing tunnels are self-supporting structures intended for the entry and exit of persons, goods only or goods and persons. A sanitising system with ultrasonic atomizer turns on at the entrance of the tunnel, and guarantees the distribution of a sanitizing substance for a complete sanitization of persons, clothing, goods carts or objects and goods in transit. Inside, a dispenser also ensures hand sanitization, before the entry of people into different environments.





PERMANENT TUNNEL

Designed to sanitize the entry and exit of people or people and goods, in work areas, such as in production areas, in the entrances of staff and suppliers, in loading and unloading areas, as a changing room area, on construction sites.

The solid and self-supporting structure is made of tubular steel and insulated sandwich panels, which guarantee acoustic and thermal insulation, as well as high resistance over time. Suitable for installation inside or outside buildings.

Depending on needs, the permanent sanitizing tunnels can host a manual or automatic closure on the front, for access in total safety and hygiene, without the use of hands.



MOBILE TUNNEL

The mobile sanitizing retractable Tunnel are larger than permanent tunnels and are used, for example, in fruit and vegetable handling areas, for the sanitization of emergency vehicles, at the entrances of hospital units, in the loading and unloading areas of large-scale distribution.

Lightweight, retractable, and mobile on wheels, they can be moved depending on needs.

The galvanized steel structure has a PVC cover, available in different colours, which maintains an excellent resistance against atmospheric agents. The mobile sanitizing tunnel is made to measure and can have one or two open side, or can be equipped with a COIL closure.



Dimensions of permanent sanitizing tunnels

Standard dimensions mm. 1200 x 2000 x 2200 (L x W x H).

Depending on needs can be made to measure.

The dimensions of the mobile sanitizing tunnel

Made to measure.

60TH
YEARS
1959 - 2019

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