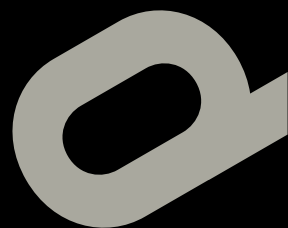

Industrial closures



apostolidaniele

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Apostoli Daniele deals with conception and realization of industrial closures and covers, with the purpose to protect the structures in which they are installed, optimizing the performances of light, air, and heat.

Since 1959, Apostoli Daniele has been offering to customers a wide selection of products in order to complete private, public and industrial spaces. Born with the production of venetian blinds, today it also offers a wide choice of curtains and home coordinates technical blinds, awnings and sectional garage doors.

/In the Montirone plant, production processes are developed according to rigorous standards that allow to achieve very high-quality results, customised on customers' requests, who receive made-to-measure products, with a very high technological content and controlled with the utmost precision.



Industrial closures represent the ideal solution for the management and protection of access gates or for the separation of commercial and industrial buildings.

/There are different types of doors, each suitable for specific contexts according to particular peculiarities and performance. The proposal occurs always following a careful needs evaluation, offering a professional and tailored advice.

Our solutions /

Rapid doors **6/**

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Rapid
doors /



Rapid doors offer a good level of insulation and protection of the gates that need frequent daily openings.

They are characterized by the high activation speed of the curtain.



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R21



/ auto-repair & anti-damage

High-speed roll up door for industrial spaces
Curtain without tubes and guides with low air permeability

specifications/

Application

inside/inside, inside/outside

Pillars

in press-bending plate in galvanised steel and polyzene guides

Crossbeam

made with tubular steel with a plate covering

Curtain

self-extinguishing PVC class II, high resistance for weight and texture, PVC rubbed

Windows

windows or visibility stripes

Optional

slatted curtain

opening systems/

Metal detector

automatic opening command with magnetic loops metal mass sensor

Radar

opening command for industrial doors. It detects both people and vehicles on surfaces from 1 to 20 square meters, adjustable according to need

Remote control

transmitter-operating range from 80 to 100 meters

electrical devices/

Photocells

Three pairs of photocells are inserted in the pillars to stop the descent of the curtain and to roll it up again when they detect an obstacle.

Electric panel

The electric panel has an inverter that, thanks to an appropriate logic card, allows controlling the gear motors managing the motion with acceleration and deceleration ramps.

Encoder

The cloth positioning inputs are given by a multi-turn absolute encoder directly aligned with the winding drum.

Dongle

The portable keypad allows the installer to change the parameters of the electric panel within the limits provided by the framework programme.

motor control/

Nominal installation power

220V / 1+N+T

Frequency

50 Hz

Motor power

1,1 kW

Single speed gear motor installed outside the crossbeam under the covering

technical details/

Opening/closing speed

1.4 m/s

Resistance to curtain tears

3000 N/5cm

Max. Dimensions

4000x4000 mm

Doors according to the Norm

UNI EN 13241

finishing/









Mavifood

/ auto-repair & anti-damage

High-speed PVC roll up door for the separation of the industrial spaces for the food industry.

specifications/

Application

inside/inside

Crossbeam

in press-bending plate in galvanised steel, sloping and finalised to the washing with water jet in order to avoid its stagnation

Pillars

in press-bending plate in galvanised steel, stainless steel on demand

Curtain

self-extinguishing PVC class II, anti UV and anti mould, stiffened by composite tubes

Auto-repair

the open rails allow the automatic curtain reinsertion in case of coming out

Anti-damage

the flexible rails and tubes avoid permanent damages to the curtain and structure

Windows

windows or visibility stripes

Optional

slatted curtain

motor control/

Nominal installation power

400V / 3+T

Frequency

50 Hz

Motor power from

da 0,37

Single speed gear motor installed integrated into the crossbeam

opening systems/

Metal detector

automatic opening command with magnetic loops metal mass sensor

Radar

opening command for industrial doors. It detects both people and vehicles on surfaces from 1 to 20 square meters, adjustable according to need

Remote control

transmitter-operating range from 80 to 100 meters

technical details/

Opening/closing speed

0,7 - 1,0 m/s

Resistance to curtain tears

3000 N/5cm

Rails min. traction resistance

45.000 N

Max. Strength on primary edge

UNI EN 13241

Max. Dimensions

4000x4000 mm

Doors according to the Norm

UNI EN 13241

security systems/

The passage control is managed and controlled in safety through two transmitting photocells (one for each door side) and two receiving ones with amplifier.

Mobile protection device on the closing edge consisting of a sensitive resistive strip that in case of contact transmits via radio with the control unit. In case of accidental impact, it determines the arrest and the immediate reopening as required by the Norm **UNI EN 13241**.

NO TOUCH SECURITY SYSTEM

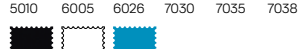
finishing/



RAL 1003 RAL 1013 RAL 1014 RAL 1015 RAL 2004 RAL 3002



RAL 5010 RAL 6005 RAL 6026 RAL 7030 RAL 7035 RAL 7038



RAL 9005 RAL 9016 RAL 9015

AD



/ auto-repair & anti-damage

High-speed PVC roll up door for the separation of the industrial spaces and for the closure of the openings in façade.

specifications/	opening systems/	security systems/
Application inside/inside, inside/outside	Metal detector automatic opening command with magnetic loops metal mass sensor	The passage control is managed and controlled in safety through two transmitting photocells (one for each door side) and two receiving ones with amplifier. Mobile protection device on the closing edge consisting of a sensitive resistive strip that in case of contact transmits via radio with the control unit. In case of accidental impact, it determines the arrest and the immediate reopening as required by the Norm UNI EN 13241 . NO TOUCH SECURITY SYSTEM
Pillars and crossbeam in press-bending plate in galvanised steel, RAL or stainless steel on demand	Radar opening command for industrial doors. It detects both people and vehicles on surfaces from 1 to 20 square meters, adjustable according to need	
Curtain self-extinguishing PVC class II, anti UV and anti mould, stiffened by tubes	Remote control transmitter-operating range from 80 to 100 meters	
Auto-repair the open rails allow the automatic curtain reinsertion in case of coming out		
Anti-damage the flexible rails and tubes avoid permanent damages to the curtain and structure		
Windows windows or visibility stripes		
Optional slatted curtain, semi-automatic counterweight		
motor control/	technical details/	finishing/
Nominal installation power 400V / 3+T Frequency 50 Hz Motor power from da 0,37 a 0,75 kW Single speed gear motor installed integrated into or outside the crossbeam	Opening/closing speed 0,7 - 1,0 m/s Resistance to curtain tears 3000 N/5cm Resistance to pressure difference 50.000 N Rails min. traction resistance CL 2 Max. Inside dimensions 6000x6000 mm Max. Outside dimension 5000x5000 mm Max. Strength on primary edge UNI EN 13241 Doors according to the Norm UNI EN 13241	



F30



/ manual-repair & anti-damage

High-speed PVC fold up door with anti-damage system for industrial spaces

specifications/	opening systems/	security systems/
Application inside/inside, inside/outside	Metal detector automatic opening command with magnetic loops metal mass sensor	The passage control is managed and controlled in safety through two transmitting photocells (one for each door side) and two receiving ones with amplifier. Mobile protection device on the closing edge consisting of a sensitive resistive strip that in case of contact transmits via radio with the control unit. In case of accidental impact, it determines the arrest and the immediate reopening as required by the Norm UNI EN 13241 . NO TOUCH SECURITY SYSTEM
Pillars and crossbeam in press-bending plate in galvanised steel, RAL or stainless steel on demand	Radar opening command for industrial doors. It detects both people and vehicles on surfaces from 1 to 20 square meters, adjustable according to need	
Curtain self-extinguishing PVC class II, anti UV and anti mould, stiffened by tubes	Remote control transmitter-operating range from 80 to 100 meters	
Anti-raising system composed by two security photocells that block the door in case the raising belts accidentally hook one person or one object. Norm UNI EN 13241-1		
Manual-repair the flexible rails avoid tubes damages allowing a manual curtain reinsertion in case of coming out	motor control/	technical details/
Anti-damage the flexible rails avoid permanent damages to the structure	Nominal installation power 400V / 3+T Frequency 50 Hz Motor power from da 1,5 a 2,2 kW Single speed gear motor installed outside the crossbeam under the cover.	Opening/closing speed 0,6 m/s Resistance to curtain tears 3000 N/5cm Resistance to pressure difference CL II 20.000 N Rails min. traction resistance CL 2 Max. Inside dimensions 8000x8000 mm Max. Outside dimensions 7500x7500 mm Max. Strength on primary edge UNI EN 13241 Doors according to the Norm UNI EN 13241
Windows windows or visibility stripes	finishing/	
Optional slatted curtain, sound-absorbing curtain, semi-automatic counterweight		







E12

High-speed PVC fold up door for industrial spaces.

specifications/

Application

inside/inside, inside/outside

C Pillars

variable section, in press-bending plate in galvanised steel

Crossbeam

made with a steel tube and closed under a press-bending plate cover

Curtain

self-extinguishing PVC class II, high resistance for weight and texture, PVC rubbed, stiffened by metal tubes

Anti-raising

system composed by two security photocells that block the door in case the raising belts accidentally hook one person or one object.
Norm **UNI EN 13241**

Windows

windows or visibility stripes

Optional

slatted curtain,
sound-absorbing curtain

opening systems/

Metal detector

automatic opening command with magnetic loops metal mass sensor

Radar

opening command for industrial doors. It detects both people and vehicles on surfaces from 1 to 20 square meters, adjustable according to need

Remote control

transmitter-operating range from 80 to 100 meters

security systems/

The passage control is managed and controlled in safety through two photocells. Mobile protection device on the closing edge consisting of a sensitive resistive strip that in case of contact transmits via radio with the control unit. In case of accidental impact, it determines the arrest and the immediate reopening as required by the Norm **UNI EN 13241**.

motor control/

Nominal installation power

400V / 3+T

Frequency

50 Hz

Motor power from

da 0,37 a 0,75 kW

Gear motor with perpendicular axle to the crossbeam

technical details/

Opening/closing speed

0,4 m/s

Resistance to curtain tears

3000 N/5cm

Max. Dimensions

5000x5000 mm

Max. Strength on primary edge

UNI EN 13241

Doors according to the Norm

UNI EN 13241

Resistance to pressure difference

CL 2

finishing/



RAL 1003 RAL 2004 RAL 3020 RAL 5002 RAL 6026 RAL 7004



RAL 9005 RAL 9016 RAL 5015 RAL 1015

E13



Big high-speed PVC fold up door for industrial spaces.

specifications /

Application

inside/inside, inside/outside

C Pillars

variable section, in press-bending plate in galvanised steel

Crossbeam

made with a steel tube and closed under a press-bending plate cover

Curtain

self-extinguishing PVC class II, high resistance for weight and texture, PVC rubbed, stiffened by metal tubes

Anti-raising

system composed by two security photocells that block the door in case the raising belts accidentally hook one person or one object.
Norm **UNI EN 13241**.

Windows

windows or visibility stripes

Optional

slatted curtain,
sound-absorbing curtain

opening systems/

Metal detector

automatic opening command with magnetic loops metal mass sensor

Radar

comando di apertura per porte opening command for industrial doors. It detects both people and vehicles on surfaces from 1 to 20 square meters, adjustable according to need

Remote control

transmitter-operating range from 80 to 100 meters

security systems/

The passage control is managed and controlled in safety through two photocells. Mobile protection device on the closing edge consisting of a sensitive resistive strip that in case of contact transmits via radio with the control unit. In case of accidental impact, it determines the arrest and the immediate reopening as required by the Norm **UNI EN 13241**.

motor control/

Nominal installation power

400V / 3+T

Frequency

50 Hz

Motor power from

da 0,75 a 1,1 kW

Gear motor with perpendicular axle to the crossbeam. Two motors if requested by the dimensions

technical details/

Opening/closing speed

0,4 m/s

Resistance to curtain tears

3000 N/5cm

Max. Dimensions

8000X8000 mm

Max. Strength on primary edge

UNI EN 13241

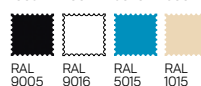
Doors according to the Norm

UNI EN 13241

Resistance to pressure difference

CL 2

finishing/









Dapbig

High-speed PVC fold up door for big openings.

specifications /

Application

inside/outside

C Pillars

in press-bending plate in galvanised steel, RAL on demand

Crossbeam

electro-welded self-supporting carpentry structure closed under a steel cover that supports the drive shaft for the curtain traction

Curtain

self-extinguishing PVC class II, anti UV and anti mould, stiffened by tubes

Anti-raising

system composed by two security photocells that block the door in case the raising belts accidentally hook one person or one object. (Norm UNI EN 13241). Security belts to avoid the sudden curtain fall

Windows

windows or visibility stripes

opening systems /

Metal detector

automatic opening command with magnetic loops metal mass sensor

Radar

opening command for industrial doors. It detects both people and vehicles on surfaces from 1 to 20 square meters, adjustable according to need

Remote control

transmitter-operating range from 80 to 100 meters

Optional

slatted curtain, sound-absorbing curtain

security systems /

The passage control is managed and controlled in safety through two transmitting photocells (one for each door side) and two receiving ones with amplifier. Mobile protection device on the closing edge consisting of a sensitive resistive strip that in case of contact transmits via radio with the control unit. In case of accidental impact, it determines the arrest and the immediate reopening as required by the Norm UNI EN 13241. NO TOUCH SECURITY SYSTEM

motor control /

Nominal installation power

400V / 3+T

Frequency

50 Hz

Motor power from

da 1,5 a 2,2 kW

Gear motor/motors with perpendicular axle to the crossbeam. Two motors if requested by the dimensions

technical details /

Opening/closing speed

0,2 m/s

Resistance to curtain tears

3000 N/5cm

Rails min. traction resistance

50.000 N

Max. Dimensions

15000x8000 mm

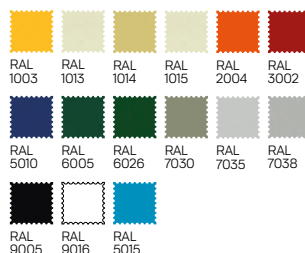
Max. Strength on primary edge

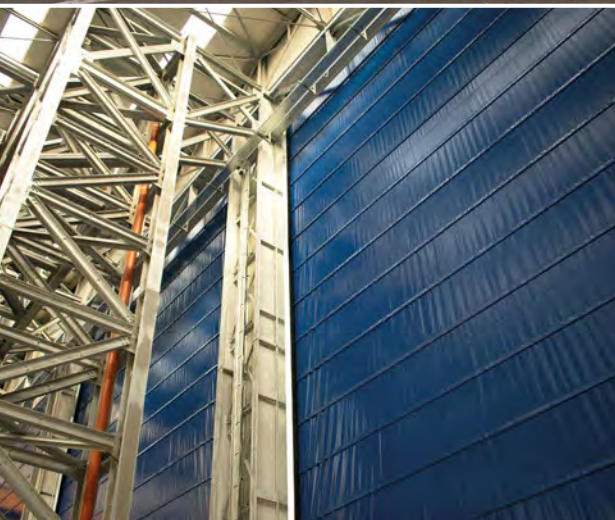
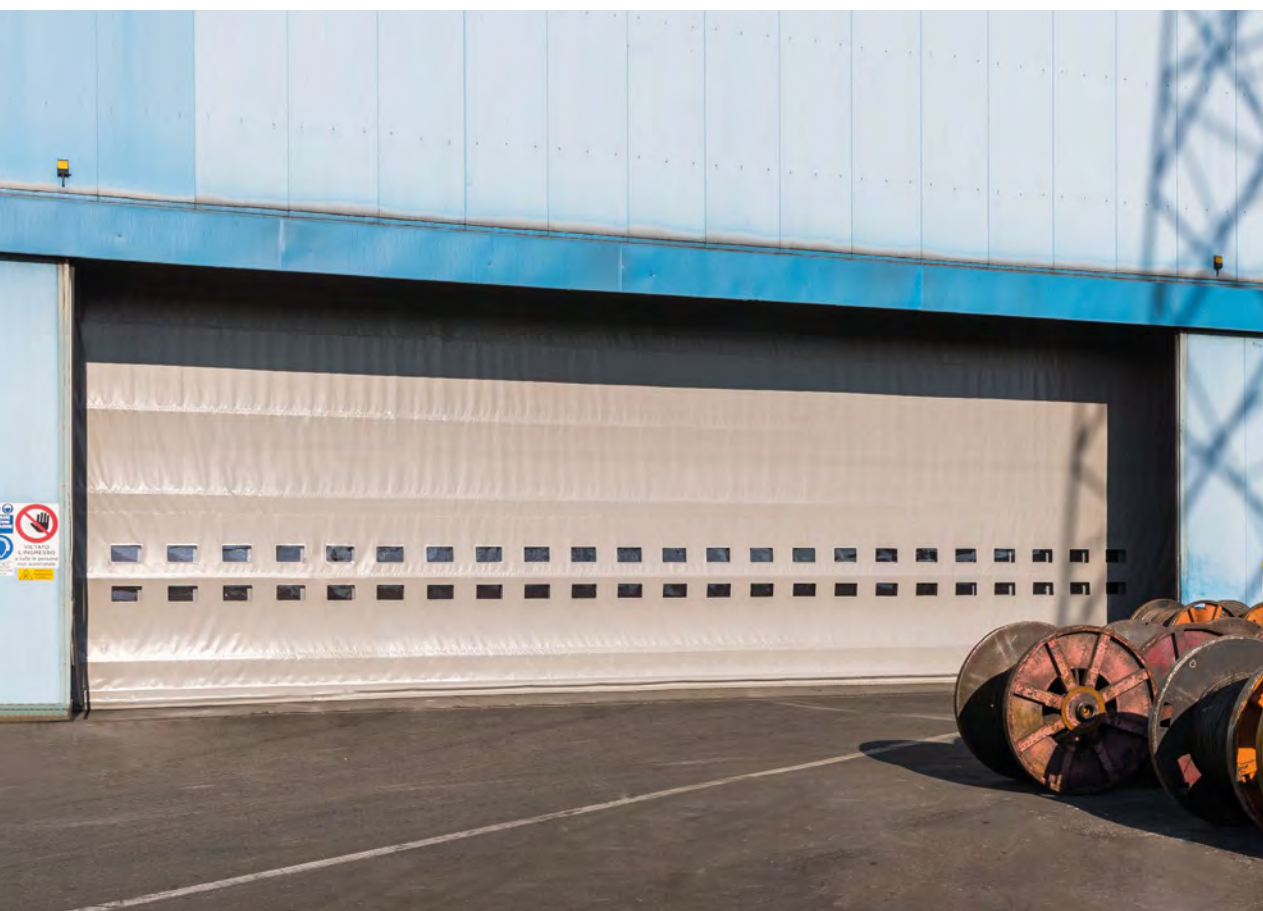
UNI EN 13241

Doors according to the Norm

UNI EN 13241

finishing /







Saildoor

High-speed fold-up door with high performance,
wind resistant up to class 5 of the Norm EN12424,
suitable for big dimensions.

specifications/

Application

inside/outside

Pillars

oulded galvanised steel beams with
covering in press-bending plate

Crossbeam

not mechanised with the only aim to
support the cloth

Curtain

self-extinguishing PVC class II,
stiffened by steel cables

Windows

windows or visibility stripes

optional/

pneumatic or oleo-dynamic motor
for ATEX zones
soundproofing cloth
REVERSO system
anti-intrusion cloth
automatic opening

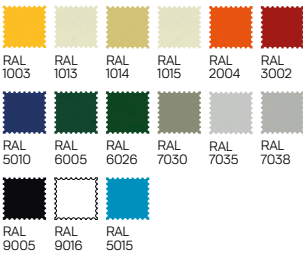
motor control/

Nominal installation power
400V / 3+T
Frequency
50 Hz
Motor power proportioned to
the door dimension.
Gear motors placed
on the floor

technical details/

Opening/closing speed
0,4 m/s
Resistance to curtain tears
3000 N/5cm
Max. Dimensions: custom-built
on project
Doors according to the Norm
UNI EN 13241
Resistance to pressure difference
CL 5

finishing/



Arella



Special door consisting of a roto-translating curtain collection system without supporting pillars of the structure and of the crossbeam. It allows the management of the spaces logistic partition without intervening on changes to the side areas of the door.

specifications/

Application
inside/inside

C Pillars
variable section, in press-bending
plate in galvanised steel

Crossbeam
realised with a steel tube

Curtain
self-extinguishing PVC class II,
anti UV and anti mould stiffened
by tubes

Optional
windows or visibility stripes

opening systems/

dead-man

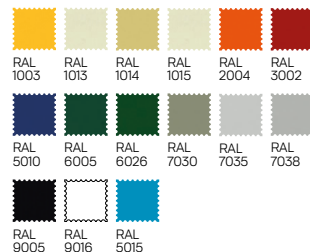
motor control/

Nominal installation power
400V / 3+T
Frequency
50 Hz
Motor power from
da 0,75 a 2,2 kW
Gear motor with perpendicular
axle to the crossbeam.
Two motors if requested
by the dimensions.

technical details /

Opening/closing speed
0,2 m/s
Resistance to curtain tears
3000 N/5cm
Max. Dimensions:
40.000X10.000 mm
Max. Strength on primary edge
UNI EN 13241
Doors according to the Norm
UNI EN 13241

finishing/





Reverso

Reverso model permits to manage the curtain opening from the top to the bottom, favoring industrial processes that mainly require superior access.

Specifications/

Application

inside/inside, inside/outside

C Pillars

variable section, in press-bending plate in galvanised steel

Crossbeam

made with a steel tube and closed under a press-bending plate cover

Curtain

self-extinguishing PVC class II, anti UV and anti mould stiffened by tubes

Anti-raising

system composed by two security photocells that block the door in case the raising belts accidentally hook one person or one object.
Norm **UNI EN 13241**

Windows

windows or visibility stripes

motor control/

Nominal installation power

400V / 3+T

Frequency

50 Hz

Motor power from

da 1,5 a 2,2 kW

Gear motor with perpendicular axle to the crossbeam.

Two motors if requested by the dimensions.

technical details/

Opening/closing speed

0,2 m/s

Resistance to curtain tears

3000 N/5cm

Rails min. traction resistance

50.000 N

Max. Dimensions

15000x8000 mm

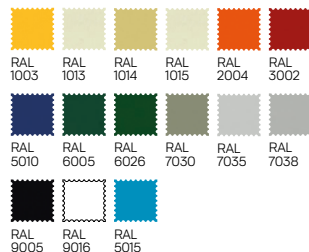
Max. Strength on primary edge

UNI EN 13241

Doors according to the Norm

UNI EN 13241

finishing/





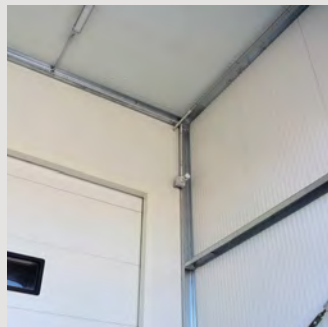
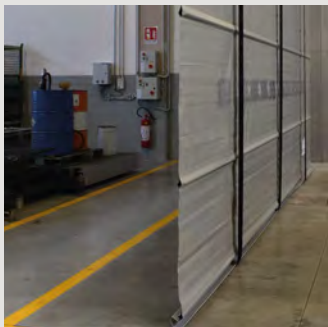
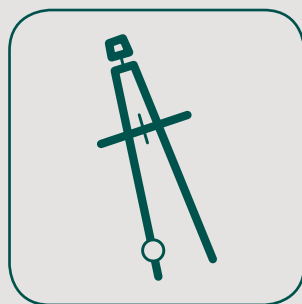
Special solutions designed by engineering & service department

Thanks to Engineering&Service dpt., we respond promptly and decisively to customers' need or problems.

From 1959 to today, Apostoli Daniele has become the sector representative to entrust the study of solutions for technical problems and coverings.



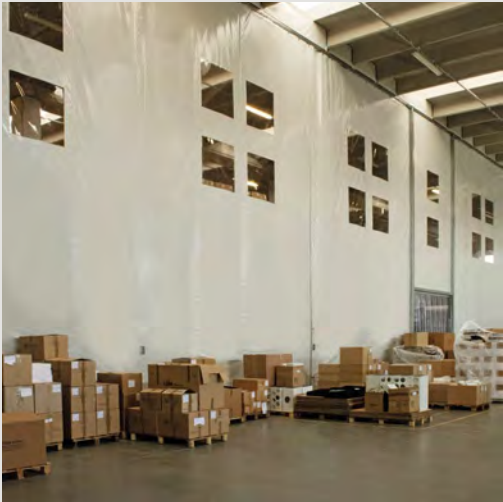
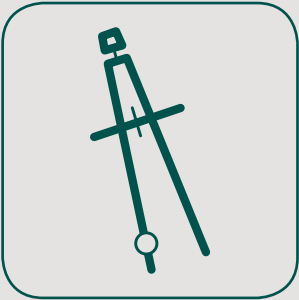
/Thanks to Engineering&Service dpt., we respond promptly and decisively to customers' need or problems. From 1959 to today, Apostoli Daniele has become the sector representative to entrust the study of solutions for technical problems and coverings. The design dpt. combines the artisanship of our workers with the production needs on an industrial scale, responding in this way to the exacting market requirements. The result is tangible in some special works, thanks to which it has been possible to contribute to the best industrial logistic management.



Custom made

We design and create products able to compartmentalize work areas. Our design skills allow us to respond to the needs of workers and work zones protection within the production plants.





Porte flap/



Flap doors are mainly used in shops, supermarkets or production plants of the food factor in order to compartmentalize spaces with different uses.




Flap inox ³⁴ /
Dapleaf ³⁶ /

Flap inox

Flip flap door with rigid shutters with push opening and return by means of a spring.
Suitable for spaces for food use or supermarkets.

specifications/		opening system/
Structure shutter covered in stainless steel AISI 304 plate, composed by a structure in metallic bar in stainless steel AISI 304 shaped according to the doors dimensions and honeycombed with polystyrene		Pushing Activation through pushing opening, spring return in closing. Available with three resting position: 0°, + 90°, and -90°. Intermediate opening edges are brought to the resting position back by the over mentioned spring.
Application inside/inside	Optional oval or round windows	

finishing/
 stainless steel





Dapleaf

Flip flap door with flexible shutters suitable for easy and rapid solutions.

specification/

Application

inside/inside

Structure

bar in galvanised steel, painted or stainless steel on demand

Cloth

flexible transparent PVC, base in different colours on demand

opening systems/

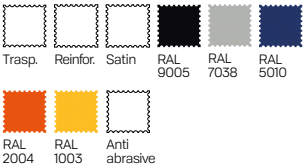
Impact

impact opening, spring return in closing. 2-way passage with a stroke at 90°

Contact

opening system through pushing. The pressure on the shutters starts an activator placed on the pneumatic piston that determines the door opening.

finishing/



PVC
dividers /



Pvc dividers are designed to compartmentalize different spaces in an easy and functional way.



Dapstrip 40 /
Cloths 42 /

Dapstrip

The strips closure is a basic product to divide or protect different spaces allowing the passage.

specification/

Application

inside/inside – inside/outside

Profiles

customizable structure in press bending galvanised steel, RAL painted or stainless steel on demand.

Strips

in transparent PVC, standard colours on demand. Thickness 2X100 mm, 2X200 mm, 3X300 mm, 4X400 mm

Optional

low temperature version suitable for the installation in refrigerating rooms
Anti-UV EN 1598
Anti-insects

types/

laterally sliding
(manual or pneumatic)

fixed

oscillating

attachable

sliding on a curved rail

finishing/







Dividers cloths

The dividers cloths are the most suitable solution to divide in an efficient way different spaces also with irregular geometries.

specification/

Application
inside/inside inside/outside

Structure
project-based

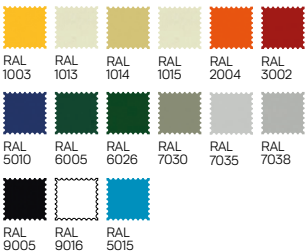
Cloth
flexible PVC

Optional
reinforcing bars to increase the
wind resistance

opening systems/

manual
project-based

finishing/



Folding and
sectional
doors/



The folding doors are suitable for the closing of big industrial and commercial openings. Thanks to their folding or dragging types, they need little space for the panels' shelter when the door is open.



Folding doors 46 /
Industrials 48 /
Thermo 50 /
Curtain dock shelter 52 /
Cushion dock shelter 53 /
Manual leveller 54 /
Hydraulic leveller 55 /
Dock house 56 /
Wheel lock 57 /

Folding doors

Doors with min. amount of space suitable for industrial spaces with big openings.

specification/	opening system/	security systems/
Application inside/outside	manual motorised	The passage control is managed and controlled safely by a pair of photocells. Mobile protection device on closing edge, consisting of a strip that is resistive and sensitive to the contact that transmits via radio with the control unit. In case of accidental impact, it determines the stop and immediate reopening as provided by UNI EN 13241.
Insulating frame thanks to their particular folding frame, they guarantee an optimal thermal insulation level.		
Seals the lateral gaskets applied through the panels seal from wind, rain, humidity, assuring protection against fingers crushing		
Shutters realised with a perimetral internal frame in 50*50*2 mm profile, galvanised and covered both side by a pre-painted galvanised plate		
Headroom reduced folding system with panels packed 90° or 180°		
Optional internal wicket pass door windows ventilation grills		finishing/







Sectional industrial door

Door suitable for industrial spaces with reduced headroom and high performances.

specifications/

Application

inside/outside

Panels

40 mm thick, 60 mm anti-pinch system realised in pre-painted steel plate 0,5 mm thick and insulated with polyurethane foam; rails in galvanised steel equipped with shaped seals

opening system/

manual
motorised

security systems/

The passage control is managed and controlled safely by a pair of photocells. Mobile protection device on closing edge, consisting of a strip that is resistive and sensitive to the contact that transmits via radio with the control unit. In case of accidental impact, it determines the stop and immediate reopening as provided by **UNI EN 13241**.

finishing/



RAL
9010



RAL
9006



RAL
9002



RAL
3000



RAL
5010

Sectional thermo door

Door suitable for industrial spaces with reduced dimensions in width at high thermal performances to insulate spaces with controlled temperatures.

specifications/	opening system/	security systems/
Application inside/outside	manual motorised	the passage control is managed and controlled safely by a pair of photocells. Mobile protection device on closing edge, consisting of a strip that is resistive and sensitive to the contact that transmits via radio with the control unit. In case of accidental impact, it determines the stop and immediate reopening as provided by UNI EN 13241.
Panels 80 mm thick, coefficient 0,5w/m2k anti-pinch system realised in pre-painted steel plate 0,5 mm thick and insulated with polyurethane foam		

finishing/





Curtain dock shelter

Isothermal PVC portal suitable for the protection and sealing of the loading bay.

specification/

Application

inside/outside

Profiles

aluminium or galvanised steel

Cloth

double internal reinforcing frame
in anti-abrasive PVC lateral
and frontal



Cushion dock shelter

Isothermal PVC and sponge portal suitable to reduce thermal loss.

specification/

Application

inside/outside

Profiles

galvanised steel frame

Cloth

internal sponge core covered in anti-abrasive PVC lateral and frontal



Manual leveller

Product designed to facilitate loading / unloading operations at the loading point with reduced dimensions.

specifications/

Application

in pit or in over dock

Elements

standard lip
rubber bumpers

Optional

epdm gaskets
rails
lip with lateral flaps
lip with blunted edge at 45°
flap lip
bakelite bumpers
swinging bumpers

opening systems/

manual with lever
manual with gas lever



Manual dock leveller



Mini dock leveller



Hydraulic leveller

Product designed to facilitate loading / unloading operations at the loading point.

specifications/

Application

in pit or in over dock

Elements

standard lip
rubber bumpers

Optional

epdm gaskets
rails
lip with lateral flaps
lip with blunted edge at 45°
flap lip
bakelite bumpers
swinging bumpers
over dock structure

opening systems/

hydraulic



Hydraulic
dock leveller



Hydraulic
mini dock
leveller



Dock house

The Dock House is a compact solution that constitutes a connecting environment between the inside of the truck and the inside of the building. It consists of a support metal structure, compartmentalized with sandwich panels, in which there are the dock leveller and the dock shelter.

specifications/

Application

inside/outside

Profiles

tinsmithery and galvanised steel,
RAL on demand

Sealing cloth

double internal reinforcing frame
in anti-abrasive PVC lateral and
frontal

Covering

sandwich panels min. 40 mm
thick

Dock leveller

hydraulic or manual

finishing/



RAL
9010
on
demand



RAL
9002



Wheel lock

Safety system that allows the truck docking to the loading bay in a controlled way conveying direction and speed.

specifications/

Application

outside

Structure

galvanised steel

Functionality

possibility to interface the system with the sectional door and the dock leveller according to an integrated logic

finishing/



steel
galvanized



Shutters/





Shutters 60 /

A covering in metal panels composes the shutters. Wrapping in an upper box, the shutters boast small size and guarantee of safety. This characteristic places them among the most decided solutions where there are reduced spaces.

Shutter

Closure suitable for ensuring protection in public places, appreciated for its reduced dimensions.

specifications/

Application

inside/outside

L rails

section in press bending
steel plate

Crossbeam

realised with a steel tube
and completed with a
covering crankcase

Covering

slats in press bending
plate

Headroom

free passage thanks to covering
wrapping inside an upper
headbox

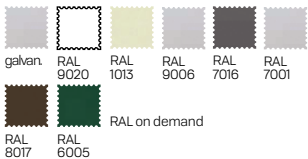
Optional

RAL painting
perforated slats
insulated slats
windowed slats
slats with ventilation grills

opening systems/

motorised
manual
motor set-up

finishing/





Emergency
and fire exit/



Certified closures
according to the law in force
to guarantee safety inside
the buildings.



Fire curtain 64 /
Multipurpose doors 66 /
Fire doors 68 /
Fire rated gates 70 /

Fire curtain

/ roll-up fireproof curtain

Fire and smoke proof curtain, ready to divide spaces in case of fire, ensuring fire resistance and temperature insulation up to 120 minutes.

specification/	opening system/	security systems/
Class EI 30 / EI 60 / EI 120 EW 60 / EW 90 E 120	vertical descent, simultaneous in case of alarm	emergency generator in case of power lack. smoke sensors. integrated siren.
Pillars in press-bending chamber in galvanised steel, RAL or stainless steel on demand		
Crossbeam realised with crankcase in galvanised press-bending steel to protect the internal wrapping roll		
Curtain in glass fibre with reinforcement in metallic stainless steel net and silicone covering		
Curtain weight lower than 2,3 kg / sqm		

finishing/



RAL
7035





Multipurpose doors

Pedestrian door for industrial use also suitable for escape routes.

specifications/

Application

inside/inside inside/outside

Frame

profile in galvanised steel, paint
or stainless steel on demand

Optional

windows
ventilation grills
three-point locking mechanism

opening systems/

emergency handles
panic bars

finishing/



NCS
5020
B50G

NCS
4020
B50G

on demand



RAL
9010



RAL
1013



RAL
7035



RAL
7016



RAL
5010

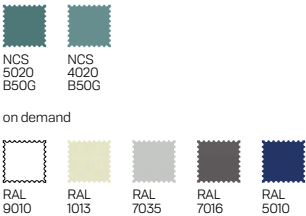
Firedoors

Hinged fireproof door

One or double-leaved fire doors REI 60/120.

specifications/	opening systems/	security systems/
Applications inside/outside	emergency handles panic bars	magnetic blocking mechanism
Class REI 60 / 120		
C Pillars variable section, in press-bending plate in galvanised steel and painted		
Frame In galvanised steel profile, paint on demand		
Optional windows		

Finishing/







Firedoors

Sliding fireproof

Lateral sliding fire doors EI 60/120/180/240 .

specifications/

- Class**
EI 60 / EI 120 / EI 180 / EI 240
- Frame**
galvanised steel profile,
paint on demand
1 or 2 leafs
- Sliding rail**
horizontal in press-bending
chamber

opening system/

- manual or automatic opening
command with speed regulator

security systems/

- thermal fuse
electromagnet

finishing/

-  RAL 9002
-  RAL 7035
- Ral on demand



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