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Instant Pass

Suitable for Indoor and outdoor use. Maximum dimensions: 9000 x 7000. Wind-resistance: Classes 1-2-3

CURTAIN

Canvas:

Base of technical fabric of high tenacity polyester impregnated with tinted PVC.
Weight mass: 950 g/m2
Operating temperature from -30 to +70 º
Finish: Shiny lacquered on both sides.
Reaction to fire: Self-extinguishing M2.
Color: to be chosen among a wide array

Color	Red	Yellow	Green	Blue	Anthracite Grey	Window Grey	White
Similar to RAL	3002	1003	6026	Europe 95	7016	7040	9003
Fire Resistance	M2	M2	M2	M2	M2	M2	M2

Color	Ivory	Orange	Vermilion	Black	Brown		Grey
Similar to RAL	1014	2004	2002	9005	8016		9006
Fire Resistance	M3	M3	M3	M3	M3		M1

Cross beams for wind resistance:

In the standard configuration:

Material:

*****if under 4500mm large: composite tubular profile fibreglass and polyester manufactured by pultrusion. Different diameters and thicknesses are available depending on the required resistance. *if over 4500mm large: tubular profiles of galvanised steel. Different diameters and thicknesses available depending on the required resistance.

Resistance to wind load (according to UNE - EN 12424)

Standard: Class 1 (equivalent approx. to a wind of 80 kph)
Optional: Classes 2 and 3 (depending on measurements)

Socket: galvanised steel tube sized: 30 x 30 x 1,5.
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Bottom bag to adjust the door canvas to the floor:

Material: Reinforced fabric of polyester impregnated with PVC.
Color: Yellow with black diagonal stripes.
Opening system with Velcro ® to reach the contact strip and the Radio-Band transmitter.

Rubber stoppers:

Manufactured by moulding, located at the ends of the reinforcements to eliminate the noise and friction of the canvas within the guidelines.

Below reinforcements:

Welded to the curtain, out of 3mm thick and black PVC, reinforced with polyester fabric so as to prevent any fretting.

Vision windows (optional):
PVC crystal clear quality.
All the welds on the canvas are done by radio-frequencies, including the window welding.

Lifting belts:
Material: Polyester.
Width: 47 mm.
Thickness: 1.25 mm.
Resistance: 2650 daN

Ribbon guides and blocking clamps:
All parts are injected plastic
Material: Akulon Polyamide, especially formulated for technical parts requiring excellent mechanical and thermal properties. As for larger sized doors the ribbon guides can be made out of galvanised steel

STRUCTURE

General.

Self-supporting structure out of galvanised Steel. Grey Painted (RAL 7046) with a polyurethane color of 2 components
As an option, can be delivered painted in any RAL colour

Legs - guides.

1.5 mm galvanized steel sheet. U-shaped profiled with reinforced corners.
Each leg has 2 reinforced folded steel pieces, omega formed, welded within the U-profile, for the whole structure to reach a stronger stiffness and resistance.
Base of 3mm thick galvanised steel sheet with holes, to be bolt to the ground.
Rounded aluminium corners to eliminate friction and wearing of the curtain.
Black polyamide ramps at the bottom of the foot to centre the curtain when the door is closed.

Crossbeam:

Drawer-body out of 1,5mm thick galvanised steel with 2 reinforced omega profiles welded inside

Side supports:

Profiles formed by galvanized sheet with steel housing for the self-aligning ball bearings that support the shaft. Welded to the crossbeam.

Central Supports:

One for every pulley. Profiles formed from galvanised sheet steel with housing for the centring ball bearings. Welded to the crossbeam.

The Axis is composed by 110mm Ø aluminium pulleys and reinforcement beams such as central hollow knot with key

Interior: Plain profile out of 25,4 mm. Ø galvanised steel with keyway along its full length. The axis can be made out of 31,75 mm galvanised steel in case of extra large or heavy doors.
The complete structure plays as a very resistant beam, which can bear the weight of the curtain such as the elevation system (motor reducer, axis, pulleys and belts) supported on its legs-guides

FIXINGS:

Due to the specific sizes of these doors, such as the demanding requirements as for wind resistance, the elements of support and fixation have to be designed to withstand the requested loads.

Head: to be fixed above the lintel or solid structure to maintain the structure vertical and avoid pending movements due to the rotations of the axis.

Legs: Anchors into the ground and, according to the requested height and wind pressure, two or three intermediate ones into the wall or resistant structure

MOTORISATION

Motor reducer. Located on one side of the head. Motor reducer specific for heavy duty with mechanical positions switches
Plain axis with output for elastic coupling
Electric brake for an accurate positioning and locking of the curtain.
Electric brake unlocked by pulling cords.
Manual hand cranks drive.

Voltage V. Frequency Hz: 3 x 230 / 400 V. 50 Hz

Power: variable, depending on door size: from 0.75 to 5.5 kW.

Protection: IP 54

Optional features:

Front positioned engine with chain drive. Engine cover with lid made in galvanised steel and painted the same color as the door.

Elastic coupling between the motor and axis to absorb vibrations and increase the reliance of the motor reducer

Control box. RSP

Controls on outer cover: Push buttons to open, close and stop. Voltage selector. Status indicator display and small information buttons Informs about position, brake-down type, operations counter. Open-close button under maintaining contact. Basic programming.Thermal protector in case of over voltage

Outer cover: painted steel with input and output glands

Protection: Up to IP 65

Voltages:

Power supply: 220/400 V single phase.
Operation at 24 V.

Wiring:

The electrical wiring from the control panel box to the motor or fixed elements on the structure (anti-entrainment and passage photocell) is protected by an aluminium removable tube and located within the foot of the door thanks to some plastic brackets. Provided with quick connectors at both ends for an easy assembling and maintenance. Photocell and anti drag photocell wires covered with a PVC profile. The electrical wiring installation must be done by an electrician and should be a protected installation in accordance to regulations and standards.

OTHER FEATURES:

SPEEDS:

Opening: 0,81 m / s
Deadline: 0,81 m / s
On large doors, the speeds may be different. Please, refer to specific cases.

SECURITY SYSTEMS. (In accordance with RD 1435/92)

- Footstep security: Photocell with reflector located on the frame of the structure
- Security ribbon. Non requested, red coloured and centred on the curtain.
- Curtain bottom (leading edge) painted with diagonal yellow / black safety stripes
- Anti-crushing: bottom safety bar by radio-band.
- Anti-drag system: Photocell with reflecting pads located on the structure at 2 meters' height.
- Signal flashing lights: Exterior and Interior.
- Irreversible motor: Must be operated by hand crank or chain before releasing the brake
- Parachutes within the axis to avoid the curtain to fall down should any fixing element fail

Our doors are manufactured according to the UNE-EN 12453:2001 and comply with the Harmonization Directives 89/392/EEC, 91/368/EEC and 93/44/EEC, such as with the Royal Decree 1435/92 and amendment 56 / 95. They are tested and certified by a notified organism in accordance to EN 13241-1. The information contained in this description is general for the referenced product, without any legal or contractual binding. Portes Bisbal S.L. reserves the right to modify the features.