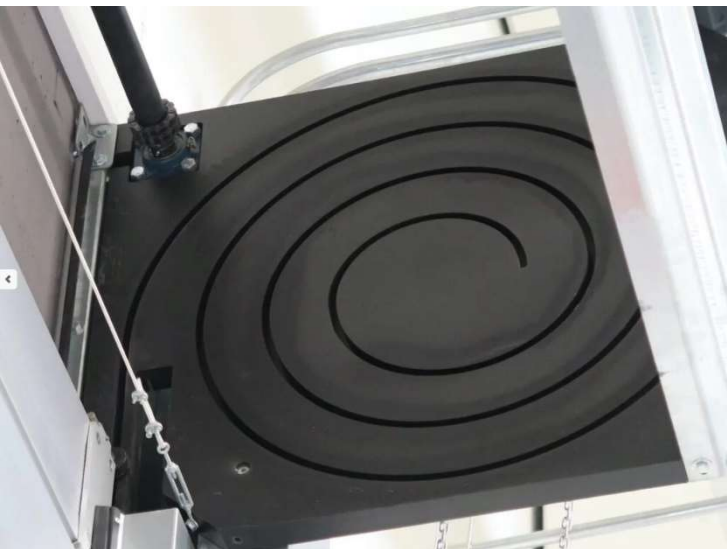


Thunder

High-speed doors - Easy opening!





ESPIRAL DE APARCAMENTO/ENROLAMENTO

Proporcionando pouco espaço quando está aberta

PORMENOR DE VISORES VISTOS PELO INTERIOR



PORTA VISTA PELO INTERIOR

PORTA VISTA PELO EXTERIOR





PORMENOR PAINÉIS LACADOS

PORMENOR ROLO



PORTA EM POSIÇÃO ABERTA, VISTA INTERIOR

Libertando espaço para iluminação, pontes rolantes e movimentos de outros elementos industriais.

Frame

Supporting structure consisting of two vertical uprights in bent galvanized sheet metal, equipped with slots for fixing to the wall and galvanized shaped plates for fixing to the floor.

Lateral sliding tracks fixed inside the self-lubricating black polyethylene uprights, for perfect sliding of the coat.

Upper sides with spiral tracks for coat winding made of solid sheet of milled polyethylene, fixed together with crossbars in press-bent galvanized steel profile, special side brackets ensure the fixing of the structure to the vertical uprights.

Coat

Door coat made of horizontal micro-ribbed elements insulated with high-density CFC-free polyurethane, thickness 50 mm and height 215 mm. The modules can be made of double pre-lacquered aluminum sheet with protective film to be removed upon installation.

Modules fixed by aluminum hinges and bound to the frame with stainless steel pins which ensure the sliding and winding of the elements without contact and without wear and tear.

Air and water tight is guaranteed by special rubber seals between panel and panel, on the vertical sides, in the lower part of the coat and by brushes in the coat's upper part.

Sliding systems

Standard circular spiral, round winding.

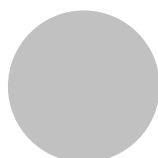
Special sliding system on specific request.

System granted for 1,000,000 operating cycles.

The guarantee is valid only if the scheduled maintenance is carried out regularly.

Standard colours of coat

external
/internal



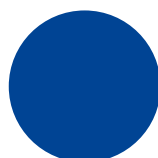
RAL 9006



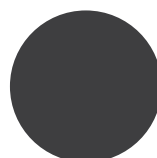
RAL 1013



RAL 3000



RAL 5010



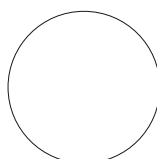
RAL 7016



RAL 7035



RAL 9002



RAL 9006



RAL 9016

Standard equipment

Carter covering uprights in galvanized sheet metal.

Balancing by guided counterweight fixed inside the casing of the vertical tracks.

Manual operation in case of power failure with counterweight or chain hoist depending on the type and size of the door.

Identification plate inside the switchboard showing the identification data of the door, the CE marking.

Assembly, use and maintenance instruction handbook containing the certificates provided by current legislation.

Optional

Door coat made with 80 mm modules thickness.

Stainless steel coat only in the 80mm thickness version.

Door coat totally or partially made with FULL VISION modules with perimeter frame in structural aluminum and transparent elements in polymethylmethacrylate.

Door coat totally or partially made with single-walled modules in structural aluminum, milled to grant the air passage when required.

Protective casing of the winding structure in galvanized sheet, **compulsory under 2.5 meters in height.**

Upright casing and winding protection casing in RAL lacquered.

Upright casing and winding protection casing in stainless steel

Handling systems

400V three-phase motorization controlled with absolute encoder inverter, operation with automatic logic protected by a 2-meter high barrier of photocells inside the sides. In alternative, semi-automatic operation with step-by-step drive.

Motor equipped with electro-brake, fixed on the crossbar in lateral position, suitable for continuous service. Worm reduction gear with maintenance-free permanent lubrication, programmable opening speed up to 2 m / sec, closing speed in compliance with regulations in force.

Metallic switchboard with hinged opening door, IP 65 protection, CE approved, RAL 7035 lacquered, equipped with a removable inverter electronic card, display with LEDs for signaling operation and faults, adequate amperometric protection, padlockable selector, mushroom push-button for emergency stop and integrated start button.

Automation's complementary Safety Devices

Infrared safety photocell barrier.

Black mushroom-shaped opening button to be positioned on the opposite side of the switchboard.

Flashing of movement with intermittent yellow light.

Complete electrical pre-wiring, with plug-in connection of all devices above mentioned.



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