THE SECURITY DOOR

Portrisa’s high Security doors have an electro zinc plated steel body, with double steel sheet on the outside, also with vertical omegas, making a solid constructed structure. To ensure more and better security, the doors structure is strengthened even more on the areas surrounding the lock, hinges and bolts. Adjustable hinges made of steel and automatic mobile sill with adjustment screw to prevent air, light and dust penetration. Each one of our doors is supplied with a job key, that will be replaced by unique final key once the installation is completed.
The START door is built with an exterior layer of steel reinforced by 3 sheared internal omegas meant to bestow door’s toughness.

Start series have 12 fastening points:
• 4 deadbolts +1 latch lock
• 1 top leading edge deadbolt
• 1 bottom leading edge deadbolt
• 4 hinge side bolts
• 1 safety catch
• 1 limitador de abertura

The MAX door is built with an exterior layer of steel reinforced by 3 sheared internal omegas meant to bestow door’s toughness.

Max Series have a total of 14 fastening points:
• 4 deadbolts +1 latch lock
• 2 top leading edge deadbolt
• 2 bottom leading edge deadbolt
• 4 hinge bolts
• 1 safety catch

The door structure is made from electro zinc plated steel sheet of 1mm thickness forming vertical reinforcements (omegas) welded by points (RSW). The end product is a steel reinforced barrier with a total of 64mm thickness, designed to resist to the most advanced techniques of intrusion. Besides the quality, doors aesthetics and style are not compromised.

Built with 2mm electro zinc plated steel, it stays firmly fastened to the concrete wall with 8 powerful antisliding steel ties. This sub-frame is equipped with special fasteners allowing vertical and horizontal fitting adjustment, as well as easy assembly of the frame and door. This makes all the door installation extremely easy, the door can be applied to the sub-frame afterwards, this procedure is easy and free from hassle, it can save your door panels from getting damaged during house finishing job.

Frame and sub-frame
Vertical reinforcement omegas
Adjustable hinges
Leading edge bolts
Electro zincked steel structure
Great-angular spyhole
Safety catch
High security lock
Finishing panel
**EURO**

The high SECURITY PORTRISA door EURO model comes standard with a smooth turning european cylinder system lock, armoured with steel plate, the cylinder is shielded by a protection manganese steel defender system. The lock comes along with the keys, which are small and very easy to handle. You can have multiple cylinders with only 1 master key. The door is provided with temporary key while the installation is taking place, this temporary key will be replaced by 5 fresh new ones afterwards.

**MATRIX**

The high SECURITY PORTRISA door MATRIX model has an easy and quiet double bit lock with easy combination swap. The lock is armoured with steel plate. Temporary key for door installation is supplied, once the door is installed, 5 new keys are delivered.
TRIEL
The high SECURITY Portrisa door TRIEL model is provided with a smooth turning european cylinder, is shielded by a defender protection manganese steel system. This lock can be operated electronically and comes along with the key, which is small and very easy to handle. You can have multiple cylinders with only 1 master key. The door is provided with temporary keys while installation is taking place; the keys will be replaced by 5 new ones once the installation is completed.
HI-TECH

The High SECURITY PORTRISA DOOR HI-TECH model is equipped with an electronic lock with a motor-driven bolt closing mechanism and a built-in digital control for easy operation. It offers top-notch security and reliability. An European profile cylinder (with traditional keys included to use in case of emergency), shielded by manganese steel defender, which is drill proof. The HI-TECH model is supplied with 3 electronic keys (transponders) that will activate the lock by proximity.

Available colours:
Chrome / Brass

Electronic Keys

OPTION 1
Digital Fingerprint scanner [Option]
The finger scanner can record up to 99 digital fingerprints, providing a personalized access.

OPTION 2
Digicode [Option]
The digicode allows the opening by a personal code up to 8 digits.
POWER
The high Security Portrisa door POWER model is suited for new and refurbished apartments sector where both fire and anti-burglar performances are required. With double steel sheet on the outside also with vertical reinforcements, making a unitary construction with high-density rock-wool insulating inner layer and intumescent seal on the frame, enabling this security door to resist fire, to have accoustic and thermal insulations and to be burglar proof according to the European norms. The frame is made with 1,5mm thick steel plate.

Included features:
• Adjustable mobile cill;
• Safety catch, attached to the frame and enabled by button from interior;
• HOPPE design handles and furniture;
• Interior lever handle;
• Exterior knob;
• Latch adjuster (anti card);
• Fireproof - EI230;
• Fireproof - EI260.
BALLISTIC

The high SECURITY door, ballistic models MAGNUM and NATO from PORTRISA, have in their core a bullet proof panel made of para-aramid military grade fiber like Kevlar™. This bullet proof panel, together with the reinforced structure, make a ballistic armour perfect for situations where there is a potential threat of firearms use, for example: bank agencies, currency exchange bureaus, pawn shops, gold and jewelry shops, panic rooms.

The door has a normal appearance with this type of covert ballistic protection, therefore, it can take by surprise any potential attackers, who will be unprepared against this door. Distinct ballistic levels can be provided depending on the requisites:

MAGNUM BALLISTIC DOOR

Tested and certified EN1522 level FB4 (NIJ III-A) and FSG. This level includes all main handguns and also the shotgun:
- 9 mm Glock 19
- .357 Desert Eagle
- .44 Smith & Wesson
- 12 gauge Beretta

NATO BALLISTIC DOOR

Tested and certified EN1522 level FB6 (NIJ III). This level includes the military calibres, 7.62 mm e 5.56 mm for assault rifles:
- AK47 Kalashnikov
- AR15/M16/M80

Kevlar™ ballistic panel

Ultra-resistant fibre, used by the police and military on their bullet proof vests. It is made by multiple layers of kevlar type fibre and has a mechanical resistance 5x superior to steel.

Reinforced structure.

In addition to the ballistic layer, the door structure was further reinforced and the number of locking points was increased to withstand this type of attacks.
The high SECURITY PORTRISA FIXO model can be produced with one of four lock types (Euro, Hi-Tech, Matrix or Triel). The side panel and fanlight are prepared to have 12mm multi-laminated glass panel. The glass is fastened to the frame with a simple trim.
DOUBLE LEAF

High SECURITY Door with two leaves, can be manufactured with different locking system, this front door has a great visual impact to your front entrance, giving your house a beautiful, imposing and secure entrance, matching the style of your home.

Top bolt adjuster

Located on the frame, allows adjusting of the passive leaf locking position, this provides further weather tightness to the door set.

Passive leaf unlocking system.

The passive leaf lock can be released on top and bottom with a single “push-rotate” button which is easy to operate and safe.
PUSH

The high SECURITY PORTRISA door PUSH model, opens towards the outside and has high security lock. From the inside it can be operated with anti-panic lever. Provided with smooth Euro cylinder system lock, armoured with steel plate. The lock is shielded by a defender protection manganese steel system.

Anti-panic bar PUSH model

Note
We produce this model only with full trim edges
SAFETY DETAILS

Security Hinges
The hinges allow door height adjustment. Its axle features a spherical bearing which allows a smoother movement of the door.

Anti break-in bolts
4 Steel hinge bolts with 15mm diameter that are placed on the hinged side of the door. The door stays anchored and safely fastened. They provide true obstacle against crowbar and spanner force.
Great-angular spyhole
Two colours available, Silver and Brass, has a big viewing angle of 180°. Optionally we can add a 2nd spyhole according to the handicapped norms (PMR).

Safety catch
Integrated in the door, allows a small gap for interaction with the outside by the easy turning of a knob.

Top and bottom deadbolts
Security deadbolts placed on top and bottom of door’s leading edge. Driven by the lock itself, this bolts are made with nickeled solid steel rods. They hold the door tight fastened to the wall.

Lock
The high security lock runs smoothly and has a latch and four deadbolts made of zincked steel with 18mm diameter is protected by an anti-drilling plate.

Adjustable latch seat safety
The latch safety is an antiburglar system placed on the latch seat to avoid the picking and tampering of the latch using ATM card or X-Ray sheet and allows the adjustment of the door closing strength.

Automatic drop-down cill
Placed at the bottom of the door, this mobile cill is adjustable, providing against light, air, water and dust penetrations. It eliminates the gap between the door and the floor and brings acoustic attenuation.

Concealed hinge (option)
Hinge concealed inside the frame, adapted for the security door it can bear heavy doors and provides an outstanding aesthetics.

Anti-drill defender
(for euro profile cylinder). Manganese steel block of high hardness and high resistance to piercing and drilling, protects the cylinder against perforation tool attacks to the cylinder from outside.

Double rubber seal
One from the leaf side and the second from the frame side (picture), provide the complete thermal and acoustic insulation to the doorset. They warrant a hermetic barrier to the air, water and wind passage.
Luxdoor is a pivot system door, with an outstanding appearance, developed to meet even the boldest architecture project. A feat of modern design, it’s an icon of innovation, character and refined taste.

- This door is suited to big wall openings, matching the facade of your household exquisitely.

- It has a vertical pivot system which is adjustable in 3D.

- The door is made of an electro zincked steel structure combined with an outer steel plate. It’s reinforced by 5 vertical omegas, combined together to form a solid whole.
• The frame and the leaf edges are made out of brushed stainless steel.

• LUXDOOR is equipped with either Euro or Matrix or Hi-tech lock.

• To ensure a high level of security, the door is strengthened with 13 locking points, 4 of which are located on the pivot side and the remaining 9 on the lock side.

• It has automatic drop down cills installed, both on the bottom and on the top of the door leaf, blocking the entrance of dust, light, water and air daughts.
Inside lever handle and escutcheon

Inside lever handle and escutcheon Swarovski (optional)

Tubular door handle (stainless steel)

Square door handle (stainless steel)

Door handle with imbued panel (same colour as outside panel)

POWDER COATED COLOURS
Can be flat with groove effects without stainless steel kick plate.

POWDER COATED ALUMINIUM COLOURS
Can be flat with groove effects and stainless steel kick plate

Grooves

Brushed stainless steel

PIVOT SIDE DEADBOLTS

LOCK

3D ADJUSTABLE PIVOT
COLOURS · Interior finishings

**DECOR (melamine)**

- Wengue
- Sucupira
- Mahogani
- Walnut
- USA Cherry
- Natural Oak
- Light Oak
- Beech

**DECOR texturized (opcional)**

- Silvestre Pine
- CB Black
- Bespoke RAL coating (optional)

**PANELS STYLE**

**WITH GROOVES** · Melaminic and fenolic panels

<table>
<thead>
<tr>
<th>1FR</th>
<th>1F-2FR</th>
<th>1FC-6FR</th>
<th>RCS</th>
<th>8FR</th>
<th>77</th>
<th>16</th>
<th>RCP-5</th>
</tr>
</thead>
</table>

Note: Imbuted stainless steel by request
PANEL STYLE

PANTOGRAPH - painéis com Valcor base

3Q  D45  D80  701  600  16

PANELS WITH MOULDINGS - MDF Base panels coated with melaminic paper imitating wood

3Q  D45  600 SP

COLOURS · Exterior Finishings

FENOLICS

Beech  Oak  Light Oak  Walnut  Loft Brown

Mahogany  Dark Mahogany  Striped Grey  Loft Grey  Country Wood

Wengue  Pacific Board  Nordic Black  Grey (± RAL 7015)  Bespoke RAL (optional)

PLYWOOD

Oak  Mahogany  Walnut  Wengue
ACCESSORIES

Standard Brass furniture

Standard Chrome furniture

Square furniture (Option)

Aluminium threshold and weather bar set (Option)
Fixed aluminium cill.

Aluminium threshold (Option)
Fixed on the floor, completely seals the water, air and wind passage.

Wood trim edge finish

Steel trim edge finishing

Frames and edges

Hinge covers

Tubular handle (Option)
Note
2 sizes available:
400mm / Ø 25mm
1000mm / Ø 35mm
Stainless steel

Security window (Option)
Opaque double laminated glass with air chamber, powder coated aluminium or stainless steel beadings, allows the passage of light without compromising the level of security.

Note: Beech and Oak finishes cannot be used on the door RP model.

Grey RAL 9007
White RAL 9003
Beech RAL 8017
Oak RAL 8017
Brown RAL 8017
Grey RAL 9007
White RAL 9003
Stainless steel (option)

Grey
Beech
Oak
Golden
White
01
Installation with
Plaster Finishings

Plaster / Stucco  1
Wall          2
Silicone joint 3
(if necessary) 4
Frame         5
Sub-frame     6
Steel anchor  6

02
Installation with
Marble finishing

Marble  1
Wall          2
Silicone Joint 3
(if necessary) 4
Frame         5
Sub-frame     6
Steel anchor  6

03
Installation with
Wood finishing

Finishing  1
Filling    2
Wall         3
Silicone joint 4
(if necessary) 5
Frame         6
Sub-frame     6
Steel anchor  7
**TECHNICAL DRAWING • Standard Frame**

**Standard Dimensions**

<table>
<thead>
<tr>
<th>Free Passage</th>
<th>Wall opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>800 x 2000/2040/2100</td>
<td>920 x 2060/2100/2160</td>
</tr>
<tr>
<td>850 x 2000/2040/2100</td>
<td>970 x 2060/2100/2160</td>
</tr>
<tr>
<td>900 x 2000/2040/2100</td>
<td>1020 x 2060/2100/2160</td>
</tr>
</tbody>
</table>

**Maximum production dimensions**

- Width = 1100
- Height = 2400

**TECHNICAL DRAWING • Standard Frame details**
Easy installation frame, it doesn’t need the traditional sub-frame. This frame makes the installation work very easy due to the 11 adjustable screws fixed directly to the wall. The frame can be in Brown, White or bespoke RAL.

**TECHNICAL DETAILS • MIDDLE OF THE DOORWAY FRAME (BF)**

Easy installation frame, it doesn’t need the traditional sub-frame. This frame makes the installation work very easy due to the 11 adjustable screws fixed directly to the wall. The frame can be in Brown, White or bespoke RAL.

**TECHNICAL DETAILS • Middle of the doorway fixation detail**
Designed for a perfect and fast fit regardless of the existing frame configuration (wood or metal). Its smart adjustment allows the correction of all defects done on the initial installation.

Maximum standard dimensions
Free passage: 2100x900
Leaf dimension: 2123x945

Extrapolation
Height: 1680mm / 2310mm
Width: 696mm / 957mm
Max. area: 22106.7 cm²

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Technical Detail • RP Frame

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Technical Detail • RP Frame detail
05
Installation with Side Window

- Sub-frame 1
- Frame 2
- Beading for glass fixation 3

06
Installation with Double sidewindow

- Sub-frame 1
- Frame 2
- Beading for glass fixation 3

07
Installation with Fanlight

- Sub-frame 1
- Frame 2
- Glass fixation beading 3

Dimensions:
1. A=2000 B=200 C=2360
2. A=2000 B=300 C=2460
3. A=2000 B=400 C=2560
4. A=2000 B=500 C=2660
**TECHNICAL DRAWINGS**

*Luxdoor Pivot Door*

**TECHNICAL DRAWING • Example 2065x1200 (VO)**

**DIMENSION (mm)**

<table>
<thead>
<tr>
<th>(WD)</th>
<th>Wall dimension (Min. H to Max. H x W)</th>
<th>(FP)</th>
<th>Free Passage Dimension (Min. H to Max. H x W)</th>
<th>(X)</th>
<th>Dimension</th>
</tr>
</thead>
<tbody>
<tr>
<td>2065 to 3000 x 1100</td>
<td>2020 to 2955 x 810</td>
<td>194</td>
<td></td>
<td></td>
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<tr>
<td>2065 to 3000 x 1200</td>
<td>2020 to 2955 x 910</td>
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<tr>
<td>2065 to 3000 x 1300</td>
<td>2020 to 2955 x 1010</td>
<td>194</td>
<td></td>
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<tr>
<td>2065 to 3000 x 1400</td>
<td>2020 to 2955 x 1110</td>
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<tr>
<td>2065 to 3000 x 1500</td>
<td>2020 to 2955 x 1110</td>
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<tr>
<td>2065 to 3000 x 1600</td>
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<tr>
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<td>2020 to 2955 x 1310</td>
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<td>2065 to 3000 x 1800</td>
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<td>2020 to 2955 x 1410</td>
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<tr>
<td>2065 to 3000 x 2000</td>
<td>WD2020 to 2955 x 1510</td>
<td>394</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**NOTE**

On the order form, consider the wall opening dimension. The height has 50mm increments.
CERTIFICATIONS

Fire resistance according to NF-EN 1634-1:2000 norm | EI230
Essay report nr. RS11-050/A andt RS11-050/B issued by CSTB laboratory
Fireproof classification EI230
Fireproof classification EI260

BM TRADA

BM TRADA - Burglary resistance according to EN 1627:2011 norm
Test report nr. BMT/MTP/F14266/D2 issued by BMTRADA
Classification achieved: Class 3 / Class 3N

BM TRADA

BM TRADA - Weather tightness according to BS EN 1026 / BS EN 12207 / BS EN 1027 / BS EN 12208 / BS EN 12211 / BS EN 12210 Norms
Achieved results: AIR – 300Pa (Class 2) • WATER – 200 Pa (Class 5A) • WIND – 1200Pa (Class A3). Issued by BMTRADA

CERBOIS

Acoustic attenuation according to NF EN ISO 140-3 norm
Essay report nr. AC12 issued by CERBOIS laboratory
Performance of Rw(C,Ctr) = 41 (-3 ; 6) dB

Cerbois

Thermal insulation according to NF EN ISO 10077-1 / 10077-2 norm
Thermal calculation Ud issued by CERBOIS
Performance Up = 1.6 w/(m2*K)

Cerbois

Weathertightness according to NF EN 14351-1 / NF EN 1026 / NF EN 12207 / NF EN 1027 / NF EN 12208 / NF EN 12211 / NF EN 12210 / NF EN 12046-1 / NF EN 13115
Achieved results: AIR - Classe Pmay A*3 • WATER - Classe E*28 • WIND - Classe V*C3
Issued by CERBOIS Laboratory

CSTB

Fire resistance according to NF-EN 1634-1:2000 norm | EI230
Essay report nr. RS11-050/A andt RS11-050/B issued by CSTB laboratory
Fireproof classification EI230
Fireproof classification EI260

Cerbois

Thermal insulation according to NF EN ISO 10077-1 / 10077-2 norm
Thermal calculation Ud issued by CERBOIS
Performance Up = 1.6 w/(m2*K)

Cerbois

Weathertightness according to NF EN 14351-1 / NF EN 1026 / NF EN 12207 / NF EN 1027 / NF EN 12208 / NF EN 12211 / NF EN 12210 / NF EN 12046-1 / NF EN 13115
Achieved results: AIR - Classe Pmay A*3 • WATER - Classe E*28 • WIND - Classe V*C3
Issued by CERBOIS Laboratory

Secured by Design

Certification A2P - Doorset - according to the reference «H64»
Burglary resistance certification nº 26.81.64. issued by CNP laboratory. Class BP1

Certified by Design - Member Company and Accredited Organization agreement with ACPO Crime Prevention Initiatives.