STEEL DOORS
EXTERIOR AND TECHNICAL
TOP QUALITY DOORS
FROM PROFESSIONALS FOR PROFESSIONALS
PORTA KMI POLAND is one of the best known and most innovative door manufacturers in Poland and abroad. For over 25 years we have produced more than 12 million door leaves and door frames. Currently we dispose several locations of production facilities - four plants in Poland, including the most recent built in year 2016, Porta Steel Factory, and one in Romania. This allows us to offer our customers a comprehensive solution in the field of wooden and metal doors. Each month, tens of thousands of new Porta doors are sold in Poland and Europe. Our doors have been installed in many prestigious buildings designed by leading architects and designers.

Every step of the doors production process is supervised by qualified professionals, who contribute to maintain a high quality of products. The specialists of Innovation and R&D Departments continually review trends in international design, adapting them to customers’ needs.

Porta factories is 105 tys. m² of production and storage space. Porta Factory is also the synonym of modern production facilities equipped with the latest generation of machines dedicated to door leaves and door frames production, supplied by leading European manufacturers. Raw materials and other resources used in the door production process are selected with extreme precision and attention to quality. All that is being done so that our doors may decorate your home over the years.
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THE NEWEST AND MOST MODERN PORTA FACTORY

In year 2016 Porta company has relocated the production of steel door leaves and door frames into one of the most modern facilities in Europe which places the company among the very few companies having such a comprehensive offer. The new facility is located next to the already existing factory in Elk City and occupies a total area of approx. 14.5 thousand m². The investment worth more than 70 million PLN allows to achieve not listed previously efficiency of producing one door frame per minute. The modern system of hanger transport with a length of 1.5 km reinforces 75 modern specialised machines and represent only some of Porta Steel prominent symbols.
The factory is environmentally friendly. Intelligent planning allows to fully control the waste. The unique, automated door frame production line, modern varnishing room and the whole machine park from leading European producers make Porta Steel one of the most modern factories in Europe. In addition to the door frame production, the establishment also offers a wide range of steel doors, both internal and external.
WHY PORTA DOORS

• ADAPTING TO THE NEEDS
• WIDE OFFER
• STYLISTICS/DESIGN
• QUALITY OF PERFORMANCE
• MODERN MACHINE PARK
• FAST AND EASY ASSEMBLY
• KNOWLEDGE
• QUALITY OF SERVICE
• OPERATING PERSONNEL
• CERTIFICATES AND APPROVALS
Steel doors are widely used in houses, apartments and in places where door operating conditions require a higher resistance to loads, mechanical damages and corrosion. The use of metal materials does not preclude the creation of interesting and structurally advanced products. Well integrated doors may constitute an architectural detail that bonds the whole interior. The precision of performance combined with a high-quality powder coating in any color, enables manufacturing of a product adapted to individual needs.

**ADVANTAGES OF METAL DOORS**

**DURABILITY**
- high durability confirmed with longterm warranty
- exploitation costs reduced to minimum
- high level of humidity resistance
- high quality of finishing coats
- possibility of use as internal and external doors

**QUALITY**
- perfect performance of each solution

**DESIGN**
- implementation in accordance with norms of selected country
- possibility of manufacturing in accordance with architectural project
- possibility of adaptation to users needs
- possibility of application of various coats
- efficient and quick assembly
- accessories raising functionality of doors
APPLICATION OF INTERNAL DOORS

UNIVERSAL DOORS TO UTILITY ROOMS
- storerooms
- utility rooms
- backrooms
- backrooms
- industrial premises

Metal BASIC
- utility rooms
- industrial premises
- office premises
- gastronomic premises
- backrooms, cellars, garages
- recreational halls
- toilet rooms

Metal SOLID
- intended for use in heavy-duty conditions
- utility rooms
- industrial premises
- backrooms, cellars
- workshops, garages, production shop floors
- modern living and office interiors (loft design)

Metal EI30, EI60
- 30- and 60-minute fireproof
- heavy duty conditions
- internal or entrance
- TYPE 1 EI 60 – smokeproof with acoustic level at 37 dB
- hotels, boarding houses
- doors to boiler rooms, doors to garages
- public utility buildings
EXAMPLES OF INTERNAL METAL DOORS USE

SHOPPING MALL
Metal SOLID

RESIDENTIAL ESTATE
UNIVERSAL DOORS TO UTILITY ROOMS

CENTRE OF FINE ARTS
Metal SOLID

RESIDENTIAL ESTATE
UNIVERSAL DOORS TO UTILITY ROOMS

GARAGE HALL
Metal EI30,EI60

CENTRE OF FINE ARTS
Metal SOLID

CENTRE OF FINE ARTS
Metal SOLID

COLLEGE
Metal SOLID

GARAGE HALL
Metal EI30,EI60
SHEET METAL TYPES IN STEEL INTERNAL DOORS

- **STEEL SHEET METAL**
  OF DX51D, DX52D, DX53D CLASS
  hot galvanised
  (zinc volume: 100-275 g/m² acc. to EN 10346)

- **STEEL SHEET METAL**
  OF DX51D, DX52D, DX53D CLASS
  hot galvanised
  (zinc volume: 100-275 g/m² acc. to EN 10346),
  surface finish with protective,
  organic, painted coating

- **STEEL SHEET METAL**
  OF DX51D, DX52D, DX53D CLASS
  hot galvanised
  (zinc volume: 100-275 g/m² acc. to EN 10346),
  coated with decorative
  wood-like or dyed PVC film
  for internal applications

- **STEEL SHEET METAL**
  OF DC01 CLASS, ELECTROLYTICALLY GALVANISED
  (zinc volume: 18 g/cm² acc. to EN 10152)

- **STEEL SHEET METAL**
  OF DC01 CLASS, ELECTROLYTICALLY GALVANISED
  (zinc volume: 18 g/cm² acc. to EN 10152),
  with painted,
  organic, protective coating

- **STAINLESS STEEL SHEET**
  OF 1.4301/1.4307 (V2A)
  OR 1.4404 (V4A) CLASS ACC. TO EN 10088

- **COATED STEEL SHEET METAL**
  OF DX51D, DX52D, DX53D CLASS
  hot galvanised
  (zinc volume: 225-275 g/m² acc. to EN 10346),
  organic, polyester
  resin-based coating
SELECTED COLORS
OF RAL AND NCS PALLETE

Powder painted doors can be finished in the available RAL or NCS color and in different type of gloss (gloss, semi-gloss, matt) with increased resistance to abrasion, antibacterial, antigraffiti or antique forming the protection against corrosion.

STANDARD COLORS INCLUDED IN OFFER

<table>
<thead>
<tr>
<th>Color</th>
<th>RAL / NCS Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>RAL 9016</td>
</tr>
<tr>
<td>Grey</td>
<td>RAL 7047</td>
</tr>
<tr>
<td>Cream</td>
<td>RAL 1001</td>
</tr>
<tr>
<td>Brown</td>
<td>RAL 8028</td>
</tr>
<tr>
<td>Blue</td>
<td>RAL 5005</td>
</tr>
<tr>
<td>Anthracite</td>
<td>HPL/CPL Anthracite structure RAL 7024</td>
</tr>
</tbody>
</table>

FINISH OF SURFACE

- **MATT**
- **SEMI-MATT**
- **GLOSS**

PROPERTIES AND FEATURES OF DIFFERENT FINISH TYPES

COMPARISON OF PROPERTIES AND FEATURES OF STEEL INDUSTRIAL DOOR FINISH TYPES

<table>
<thead>
<tr>
<th>Finish types</th>
<th>Galvanised sheet metal</th>
<th>Coated sheet metal</th>
<th>Polyester paint</th>
<th>PVC-laminated sheet metal</th>
<th>Stainless steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Characteristics</td>
<td>Steel with galvanised anticorrosive protection</td>
<td>Galvanised sheet metal with additional polyester resin-based organic film</td>
<td>After paint application, the coated components are heated to melt powder paint, resulting in uniform polymer film on the surface</td>
<td>Sheet metal and decorative foils can imitate natural wood or modern textures</td>
<td>Remarkable resistance to corrosion, acids and high temperatures</td>
</tr>
<tr>
<td>PORTA classification</td>
<td>★★★★★</td>
<td>★★★★★</td>
<td>★★★★★</td>
<td>★★★★★</td>
<td>★★★★★</td>
</tr>
<tr>
<td>Steel industrial doors from the PORTA Offer</td>
<td>• UNIVERSAL DOORS TO UTILITY PREMISES</td>
<td>• Metal BASIC</td>
<td>• UNIVERSAL DOORS TO UTILITY PREMISES</td>
<td>• Metal SOLID</td>
<td>• Metal SOLID</td>
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<tr>
<td></td>
<td>• Metal BASIC</td>
<td></td>
<td>• Metal SOLID</td>
<td></td>
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<tr>
<td></td>
<td>• Metal SOLID</td>
<td></td>
<td>• Metal EI 30 / EI 60</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Application</td>
<td>Utility rooms at residential buildings</td>
<td>Utility rooms at residential buildings</td>
<td>Residential buildings, hotels, public utility buildings</td>
<td>Hotels and public utility buildings</td>
<td>Specific-purpose utility premises</td>
</tr>
</tbody>
</table>
APPLICATION OF PORTA DOORS

Thanks to our 25 years of experience, PORTA steel doors are applied in the highest standard buildings. It will fit in often frequented residential spaces and in less frequented but exposed to greater fluctuations in temperature, humidity or to repeated mechanical damages of its surface.

THE PUBLIC BUILDINGS

Apart from the representative design of interiors of such buildings as airports, railway stations, shopping malls, doors should be made of durable materials. The use of steel doors is an essential solution to this type of buildings. Thanks to a wide range of Porta manufacturing possibilities, a set of door with a door frame may create an impression of lightness in a solid product. A steel Porta doors guarantees a perennial reliability in public buildings.

HOSPITALS, CLINICS, PHARMACEUTICAL COMPANIES, LABORATORIES, NURSING HOMES

It is essential that the joinery presents proper parameters in buildings where high hygiene standards are a priority for correct functioning. Steel doors will be an optimal choice, if we wish to keep cleanliness in patient rooms, examination rooms, operating rooms and in all rooms with increased humidity level.

INDUSTRIAL PLANTS, GARAGES, UTILITY ROOMS

In this type of interiors, steel doors are the best possible solution. A complete set of doors shall meet fire insulation conditions as the mentioned locations are often used to store flammable materials. The steel, used in doors production process proves a resistance to deformations and environmental factor’s influence.
RESIDENTIAL BUILDINGS

A practical and more often selected solution for houses and apartments is solid steel doors. It guarantees not only the safety, but also the durability for years. Modern steel doors are used in new and older buildings which need to be renovated.

HOTELS, GUEST HOUSES

Buildings where crowds of people appear every day, dragging their luggage and hitting walls with it, require high resistance parameters’ solutions. Furthermore, door sets shall fit in the interior design and architecture of hotels and guest houses. Solid Porta doors are very easy to maintain, therefore they are perfect for rooms, passages between rooms and other often frequented rooms.

SCHOOLS, KINDERGARTENS, OFFICE BUILDINGS

Thanks to high standards in mechanical resistance and safety of Porta steel doors, they shall meet the requirements of such areas as offices, schools and kindergartens. It is indispensable to adjust the shape of profiles to use conditions in those areas to minimalize the risk of accident and to ensure the safety of office workers, children and their guardians. In such places, steel doors with top and side transoms are often used.
STEEL ENTRANCE
DOORS
BASIC INFORMATION ABOUT EXTERIOR DOORS

ENGINEERING STRUCTURE

Steel SAFE RC2, Steel SAFE RC3, Steel SAFE RC2 THERMO, Steel SAFE RC3 THERMO
- Double-layer wooden beams in door leaf
- Steel SAFE RC3 models are additionally strengthened with a steel angle bar
  - 100 mm steel external, angular frame; an additional thermal plate and a thermal threshold
  - Steel ENERGY PROTECT

- Double-layer wooden beams in door leaf, strengthened with a steel angle bar
  - 100 mm steel external, angular frame with an additional thermal plate and a thermal threshold
  - Steel ARCTIC PASSIVE

- Wooden frame-panel • Door frame - multilayer glued coniferous timber
  - Wooden door frame with 1.5 mm galvanised steel cladding

CORE

MINERAL WOOL
available at extra charge
Steel SAFE RC2, Steel SAFE RC3, Steel SAFE RC2 THERMO, Steel SAFE RC3 THERMO,
Steel ENERGY PROTECT

EXPANDED POLYSTYRENE WITH BIG GRAPHITE ADDITION
all collections

GLAZING

- Reflex type glass pane, combined glazing with 0.5 coefficient and P4 anti-burglery class
  - Stainless-steel frames (frame for inox pane)

SEALING

Steel SAFE RC2, Steel SAFE RC2 THERMO, Steel SAFE RC3, Steel SAFE RC3 THERMO, Steel ENERGY PROTECT
- Double door sealing at the interface of door frame with door leaf
- Sealing system on the entire door circumference
  - Steel ARCTIC PASSIVE

Door leaf tightness is guaranteed by a double system of seals, the first and the second system, incorporated into door leaf and door frame, is seamless (uninterrupted) and protect the door from four sides

THRESHOLD

Steel SAFE RC2, Steel SAFE RC3 • Stainless-steel threshold with perforation
Steel SAFE RC2 THERMO, Steel SAFE RC3 THERMO, Steel ENERGY PROTECT • Thermal threshold with increased heat transfer coefficient (made of inox stainless steel)
Steel ARCTIC PASSIVE • ThermoControl threshold (wooden core with stainless steel cladding)
• Two independent LOB locks Steel SAFE RC2, Steel SAFE RC2 THERMO
• Winkhaus hook lock Steel SAFE RC3, Steel SAFE RC3 THERMO, Steel ENERGY PROTECT, Steel ARCTIC PASSIVE
• Additional upper lock Steel SAFE RC3, Steel SAFE RC3 THERMO, Steel ENERGY PROTECT, Steel ARCTIC PASSIVE
• The adjustment of the main lock striker in a door frame Steel SAFE RC2, Steel SAFE RC2 THERMO, Steel SAFE RC3, Steel SAFE RC3 THERMO, Steel ENERGY PROTECT.
• The adjustment of all locking points of the lock in a door frame Steel ARCTIC PASSIVE
• Three 3-element Steel SAFE RC2, Steel SAFE RC2 THERMO, Steel SAFE RC3, Steel SAFE RC3 THERMO, Steel ENERGY PROTECT.
• Three 3D hinges Steel ARCTIC PASSIVE
• Four interlocking door bolts
• OPAL handle in safety class 2 Steel SAFE RC2, Steel SAFE RC2 THERMO
• SAFE handle in safety class 3 Steel SAFE RC3, Steel SAFE RC3 THERMO, Steel ENERGY PROTECT, Steel ARCTIC PASSIVE
• Assembly set • Cylinder locks
• Eyehole (in full door leaf)
• Drip tray in colour of door leaf, for door opening to the inside
• Stiff chain Steel SAFE RC3, Steel SAFE RC3 THERMO, Steel ENERGY PROTECT, Steel ARCTIC PASSIVE
• 1500 mm round handle • 1500 mm rectangular handle
• Upper escutcheon
• Self-closer
• Lower 150 mm stainless steel panel (A0, B1, F1 pattern)
• Preparation to shortening, lower protection (after self-shortening of door leaf) Steel SAFE RC2, Steel SAFE RC2 THERMO, Steel SAFE RC3, Steel SAFE RC3 THERMO, Steel ENERGY PROTECT

FINISH TYPES

• Polyester paint
• PVC-laminated, galvanised sheet metal

PARAMETERS

• For solid doors

<table>
<thead>
<tr>
<th></th>
<th>HEAT PERMEABILITY</th>
<th>ANTI-BURGLERY RESISTANCE</th>
<th>ACOUSTIC INSULATION</th>
<th>WATER-PROOFNESS</th>
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</thead>
<tbody>
<tr>
<td>Steel SAFE RC2</td>
<td>Ud 1.4</td>
<td></td>
<td>Ud 0.95</td>
<td></td>
</tr>
<tr>
<td>Steel SAFE RC2 THERMO</td>
<td>Ud 1.2</td>
<td></td>
<td>Ud 1.1</td>
<td></td>
</tr>
<tr>
<td>Steel SAFE RC3</td>
<td>Ud 1.1</td>
<td></td>
<td>Ud 1.2</td>
<td></td>
</tr>
<tr>
<td>Steel SAFE RC3 THERMO</td>
<td>Ud 0.95</td>
<td></td>
<td>Ud 0.95</td>
<td></td>
</tr>
<tr>
<td>Steel ENERGY PROTECT</td>
<td>Ud 0.95</td>
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<td>Ud 0.95</td>
<td></td>
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<tr>
<td>Steel ECO ARCTIC</td>
<td>Ud 0.95</td>
<td></td>
<td>Ud 0.95</td>
<td></td>
</tr>
</tbody>
</table>

* ITB Preliminary results

HEAT PERMEABILITY: This parameter indicates the level of heat energy which will permeate through the door (including the door frame) during one hour – LESS/BETTER.
ANTI-BURGLERY RESISTANCE: Door resistance to unauthorised opening, verified and qualified to class 2 or 3, acc. to PN-ENV 1627:2012.
ACOUSTIC INSULATION: Defined by Rw and D coefficient of acoustic insulation, indicates the decibel level of outdoor noise which the door will be able to attenuate.
WATER-PROOFNESS: Entrance doors are tested by the following two methods: “A” – for doors totally exposed to the effects of outdoor factors, and “B” – for doors partially protected (under a roof) against outdoor factors and classified with regards to obtained test pressure at which no water leaks occurred.
Steel SAFE RC2

RC2* entrance door in anti-burglery version, applied in buildings. Available in a broad range of sheet metal covering with wood grain laminate or polyester paint coating.

STEEL DOOR FRAME
Large angular 100, external, in door leaf colour, with a seal

UPPER LOCK
upper, 3-rod control with a cylinder (one-key system)

PRIMARY LOCK
3-rod control with a cylinder (one-key system)

OPAL HANDLE
safety class 2

CORE
expanded polyester

GLAZING
triple-pane assembly in P4 class

DOOR LEAF THICKNESS 54 MM

* APPLICABLE FOR SOLID DOOR LEAVES

THRESHOLD
made of stainless steel with perforation

DRIP TRAY
for door opening to the inside

4 INTERLOCKING DOOR BOLTS

HEAT TRANSFER COEFFICIENT*

Ud 1.4 W/m²K
Door kit components

- Door leaf leaf the structure of which is based on double-layer wooden beams, which are amounted on the entire door leaf circumference. Expanded polystyrene with big graphite addition is used as a thermoinsulation core Door leaf casing is made of 0.6 mm galvanised steel sheet metal, finished with PVC film, resistant to weather conditions, or with polyester paint.  
- Door frame (Steel large angular 100 external)  
- Three 3-element hinges  
- Two independent LOB locks  
- Four interlocking door bolts  
- OPAL handle and upper escutcheon in safety class 2
- Assembly set  
- Cylinders  
- Eyehole (in solid door leaf at extra charge)  
- An adjustable main lock striker in a door frame  
- Drip tray in door leaf colour, for doors opened to the inside (at extra charge)  
- Threshold of stainless steel with perforation  
- In glazed models glazing in 3-pane kit  
- Frames of stainless steel (inox pane frame)

Additional accessories / extra charges

- Size „100”  
- Eyehole  
- Drip cap in colour of door leaf  
- Two LOB cylinders, class B - extra charge  
- Lower 150 mm stainless steel, bilateral panel (A0, B1, F1 pattern)  
- Core – mineral wool  
- Lower protection after self-shortening  
- Strengthening for self-closer  
- 1500 mm round or rectangular handle

COLOURS

POLYESTER PAINT

- White RAL 9003  
- Metallic Titanium  
- Anthracite RAL 7024

PCV LAMINATED STEEL SHEET

- Golden Oak  
- Winchester Oak  
- Brown Oak  
- Walnut  
- Anthracite

Make a personal colour selection and enquire with Porta CONTRACT.

MODELS

- model A0  
- model B1  
- model C1  
- model D1  
- model E1  
- model F1
Steel SAFE RC2 with Thermo

RC2* entrance door in anti-burglary version, provided with thermal door frame, intended for buildings. Available in a broad range of sheet metal covering with wood grain laminate or polyester paint coating.

**Ud 1.2 W/m²K**
HEAT TRANSFER COEFFICIENT*

**THERMO STEEL DOOR FRAME**
Large angular 100, external, with a thermal separator in door leaf colour, with a seal

**UPPER LOCK**
upper, 3-rod control with a cylinder (one-key system)

**PRIMARY LOCK**
3-rod control with a cylinder (one-key system)

**OPAL HANDLE**
safety class 2

**CORE**
expanded polyester

**GLAZING**
triple-pane assembly in P4 class

* APPLICABLE FOR SOLID DOOR LEAVES

**THRESHOLD**
thermal with an increased heat transfer coefficient, made of inox stainless steel sheet metal

**DRIP CAP**
for door opening to the inside

**4 INTERLOCKING DOOR BOLTS**

**ADJUSTABLE LOCK STRIKE**

**THREE 3-ELEMENT HINGES**

**EYEHOLE**
in solid doors

**DOOR LEAF THICKNESS 54 MM**
Door kit components

- Door leaf: the structure of which is based on double-layer wooden beams, which are amounted on the entire door leaf circumference. Expanded polystyrene with big graphite addition is used as a thermoinsulation core. Door leaf casing is made of 0.6 mm galvanised steel sheet metal, finished with PVC film, resistant to weather conditions, or with polyester paint.
- Steel Thermo door frame (large angular 100, external with thermal separator in door leaf colour with a seal).
- Three 3-element hinges.
- Two independent LOB locks.
- Four interlocking door bolts.
- OPAL handle and upper escutcheon in safety class 2.
- Assembly set.
- Cylinders.
- Eyehole (in solid door leaf at extra charge).
- An adjustable main lock striker in a door frame.
- Drip tray in door leaf colour, for doors opened to the inside (at extra charge).
- Thermal threshold with increased heat transfer coefficient, made of inox stainless steel sheet metal.
- In glazed models, glazing in 3-pane kit.
- Frames of stainless steel (inox pane frame).

Additional accessories / extra charges

- Size „100“
- Size.
- Drip cap in colour of door leaf.
- Two LOB cylinders, class B - extra charge.
- Lower 150 mm stainless steel, bilateral panel (A0, B1, F1 pattern).
- Core – mineral wool.
- Lower protection after self-shortening.
- Strengthening for self-closer.
- 1500 mm round or rectangular handle.
- Cylinders.
- Eyehole (in solid door leaf at extra charge).
- An adjustable main lock striker in a door frame.
- Drip tray in door leaf colour, for doors opened to the inside (at extra charge).
- Thermal threshold with increased heat transfer coefficient, made of inox stainless steel sheet metal.
- In glazed models, glazing in 3-pane kit.
- Frames of stainless steel (inox pane frame).

COLOURS

POLYESTER PAINT ★★★★★

- White
- Metallic Titanium
- Anthracite structure RAL 7024

PCV LAMINATED STEEL SHEET ★★★★★

- Golden Oak
- Winchester Oak
- Brown Oak
- Walnut
- Anthracite

Make a personal colour selection and enquire with Porta CONTRACT.

MODELS

- model A.0
- model B1
- model C1
- model D1
- model E1
- model F1
Steel SAFE RC3

RC3* entrance door, available in anti-burglery version, intended for buildings. Available in a broad range of sheet metal covering with wood grain laminate or polyester paint coating.

**STEEL DOOR FRAME**
Large angular 100, external, in door leaf colour, with a seal

**HOOK - UPPER / LOWER LOCKING**

**STRIP LOCK**
Winkhaus multipoint hook-bolt lock
SAFE HANDLE
safety class 3

**CORE**
expanded polyester

**GLAZING**
triple-pane assembly in P4 class
* APPLICABLE FOR SOLID DOOR LEAVES

**THRESHOLD**
made of stainless steel with perforation

**DRIP CAP**
for door opening to the inside

**4 INTERLOCKING DOOR BOLTS**

**ADJUSTABLE LOCK STRIKE**

**EYEHOLE**
in solid doors

**THREE 3-ELEMENT HINGES**

**DOOR LEAF THICKNESS**
54 MM

**Ud 1.4 W/m²K**
HEAT TRANSFER COEFFICIENT*
**Door kit components**

- **Door leaf** the structure of which is based on double-layer wooden beams, which are mounted on the entire door leaf circumference. The door leaf structure is additionally strengthened with a steel angle. Expanded polystyrene with big graphite addition is used as a thermoinsulation core. Door leaf casing is made of 0.6 mm galvanised steel sheet metal, finished with PVC film, resistant to weather conditions, or with polyester paint.
- **Door frame** (steel large angular 100 external)
- **Three 3-element hinges**
- **Winkhaus STV hook** lock with pressure mechanism
- **Four** interlocking door bolts
- **SAFE handle** in safety class 3
- **Assembly set**
- **WILKA cylinder**
- **Eyehole** (in solid door leaf - at extra charge)
- **An adjustable main lock** striker in a door frame
- **Drip cap** in door leaf colour, for doors opened to the inside (at extra charge)
- **Thermal threshold** of increased heat transfer coefficient, made of inox stainless steel sheet metal
- In glazed models, **combined glazing** with 0.3 coefficient and P4 anti-burglary class
- **Stainless steel** frames (inox pane frame).

**Additional accessories / extra charges**

- **Size „100“**
- **Eyehole**
- **Drip cap in door leaf colour**
- **Additional upper lock**
- **Stiff chain in painted doors**
- **Stiff chain in PVC-laminated doors**
- **Lower escutcheon in class C**
- **Lower WILKA lock cylinder, class B - replacement for basic kit in class A**
- **Upper WILKA lock cylinder, class A**
- **Upper WILKA lock cylinder, class B**
- **Lower 150 mm stainless steel, bilateral panel (A0, B1, F1 pattern)**
- **Core – mineral wool**
- **Lower protection after self-shortening**
- **Strengthening for self-closer**
- **1500 mm round or rectangular handle**

**COLOURS**

**POLYESTER PAINT ★★★★★

White
Premium
Metalic
Anthracite structure RAL 7024**

**PCV LAMINATED STEEL SHEET ★★★★★

Golden Oak
Winchester Oak
Brown Oak
Walnut
Anthracite**

Make a personal colour selection and enquire with Porta CONTRACT.

**MODELS**

model A0  model B1  model C1  model D1  model E1  model F1
Steel SAFE RC3 with Thermo

RC3® entrance door in anti-burglery version, provided with thermal door frame, intended for buildings. Available in a broad range of sheet metal covering with wood-like laminate or polyester paint coating.

- **THHERMO STEEL DOOR FRAME**
  - Large angular 100, external, with a thermal separator in door leaf colour, with a seal

- **HOOK - UPPER / LOWER LOCKING**

- **STRIP LOCK**
  - Winkhaus multipoint hook-bolt lock

- **SAFE HANDLE**
  - safety class 3

- **CORE**
  - expanded polyester

- **GLAZING**
  - triple-pane assembly in P4 class

- **THRESHOLD**
  - thermal with an increased heat transfer coefficient, made of inox stainless steel sheet metal

- **DRIP CAP**
  - for door opening to the inside

- **THRESHOLD**
  - thermal with an increased heat transfer coefficient, made of inox stainless steel sheet metal

- **Ud 1.2 W/m²K**
  - **HEAT TRANSFER COEFFICIENT**

- **DOOR LEAF THICKNESS 54 MM**

- **4 INTERLOCKING DOOR BOLTS**

- **EYEHOLE**
  - in solid doors

- **STIFF CHAIN**

- **THREE 3-ELEMENT HINGES**

- **CORE**
  - expanded polyester

- **GLAZING**
  - triple-pane assembly in P4 class

- **THRESHOLD**
  - thermal with an increased heat transfer coefficient, made of inox stainless steel sheet metal

- **DRIP CAP**
  - for door opening to the inside
Door kit components

- Door leaf: the structure of which is based on double-layer wooden beams, which are mounted on the entire door leaf circumference. The door leaf structure is additionally strengthened with a steel angle. Expanded polystyrene with big graphite addition is used as a thermoinsulation core. Door leaf casing is made of 0.6 mm galvanised steel sheet metal, finished with PVC film, resistant to weather conditions, or with polyester paint.
- Thermo steel door frame (large angular 100, external with thermal separator in door leaf colour with a seal)
- Winkhaus STV hook lock with pressure mechanism
- Four interlocking door bolts
- SAFE handle in safety class 3
- Assembly set
- WILKA cylinder lock
- Eyehole (in solid door leaf at extra charge)
- An adjustable main lock: striker in a door frame
- Drip cap in door leaf colour, for doors opened to the inside (at extra charge)
- Thermal threshold with increased heat transfer coefficient, made of inox stainless steel sheet metal
- In glazed models: combined glazing with 0.5 coefficient and P4 anti-burglery class
- Stainless steel frames (inox pane frame)

Additional accessories / extra charges

- Size “100”
- Eyehole
- Drip cap in door leaf colour
- Additional upper lock
- Stiff chain in painted doors
- Stiff chain in PVC-laminated doors
- Upper escutcheon in class C
- Lower WILKA lock cylinder, class B - replacement for basic kit in class A
- Upper WILKA lock cylinder, class A
- Upper WILKA lock cylinder, class B
- Lower 150 mm stainless steel, bilateral panel (A0, B1, F1 pattern)
- Core – mineral wool
- Lower protection after self-shortening
- Strengthening for self-closer
- 1500 mm round or rectangular handle

COLOURS

POLYESTER PAINT ★★★★★

PCV LAMINATED STEEL SHEET ★★★★★☆

Make a personal colour selection and enquire with Porta CONTRACT.

MODELS

model A0  model B1  model C1  model D1  model E1  model F1
Steel ENERGY PROTECT

RC3® entrance door with improved thermal features, available in anti-burglery version, intended for buildings. Available in a broad range of sheet metal covering with wood-like laminate or polyester paint coating.

**THERMO STEEL DOOR FRAME**
Large angular 100, external, with a thermal separator in door leaf colour, with a seal

**HOOK - UPPER / LOWER LOCKING**

**STRIP LOCK**
Winkhaus multipoint hook-bolt lock

**SAFE HANDLE**
safety class 3

**SAFE ESCUTCHEON**
for door knocker

**CORE**
expanded polyester

**GLAZING**
triple-pane assembly in P4 class

**THRESHOLD**
thermal with an increased heat transfer coefficient, made of inox stainless steel sheet metal

**DRIP CAP**
for doors opening to the inside

**4 INTERLOCKING DOOR BOLTS**

**EYEHOLE**
in solid doors

**STIFF CHAIN**

**THREE 3-ELEMENT HINGES**

**DOOR LEAF THICKNESS 66 MM**

**Ud 1.1 W/m²K**
HEAT TRANSFER COEFFICIENT*

* APPLICABLE FOR SOLID DOOR LEAVES
Door kit components

- **Door leaf** the structure of which is based on double-layer wooden beams, which are mounted on the entire door leaf circumference. The door leaf structure is additionally strengthened with a steel angle. Expanded polystyrene with big graphite addition is used as a thermoinsulation core. Door leaf casing is made of 0.6 mm galvanised steel sheet metal, finished with PVC film, resistant to weather conditions, or with polyester paint.
- **Thermo** steel door frame (large-angular 100, external with thermal separator in door leaf colour with a seal)
- Door leaf tightness is ensured by a double seal system, the first and the second system, incorporated into door leaf and door frame, is uninterrupted and protects the door from four sides
- **Three** 3-element hinges
- **Winkhaus STV hook lock** with pressure mechanism
- **Four** interlocking door bolts
- **SAFE handle** in safety class 3
- **Assembly set**
- **WILKA** cylinder lock
- **Eyehole** (in solid door leaf at extra charge)
- **An adjustable main lock** striker in a door frame
- **Drip cap** in door leaf colour, for doors opened to the inside (at extra charge)
- **Thermal** threshold with increased heat transfer coefficient (made of inox stainless steel)
- In glazed models: **combined** glazing with 0.5 coefficient and P4 anti-burglery class
- **Stainless steel** frames (inox pane frame)

Additional accessories / extra charges

- **Size “100”**
- **Eyehole**
- **Drip cap** in door leaf colour
- **Additional upper lock**
- **Stiff chain** in painted doors
- **Stiff chain** in PVC-laminated doors
- **Upper escutcheon** in class C
- **Lower WILKA lock cylinder**, class B - replacement for basic kit in class A
- **Upper WILKA lock cylinder**, class A
- **Upper WILKA lock cylinder**, class B
- **Lower 150 mm stainless steel, bilateral panel** (A0, B1, F1 pattern)
- **Core – mineral wool**
- Lower protection after self-shortening
- Strengthening for self-closer
- **1500 mm round or rectangular handle**

### COLOURS

**POLYESTER PAINT ★★★★★

- White
- Premium RAL 9003
- Metallic Titanium
- Anthracite structure RAL 7024

**PCV LAMINATED STEEL SHEET ★★★★★

- Golden Oak
- Winchester Oak
- Brown Oak
- Walnut
- Anthracite

Make a personal colour selection and enquire with Porta CONTRACT.

### MODELS

![model A0](image1)
![model B1](image2)
![model C1](image3)
![model D1](image4)
![model E1](image5)
![model F1](image6)
Steel ARCTIC PASSIVE

RC3* entrance door with the highest thermal features, available in anti-burglery version, intended for buildings. Available in a broad range of sheet metal covering with wood-like laminate or polyester paint coating.

**Ud 0.95 W/m²K**

**HEAT TRANSFER COEFFICIENT**

*APPLICABLE FOR SOLID DOOR LEAVES*
Door kit components

- Door leaf with wooden frame-panel structure. Door frame made of multilayer glued coniferous timber, covered with 0.6 mm galvanised steel sheet metal, coated with PVC wood-like laminate, resistant to weather conditions, or painied with polyester paint. Internal core with frame structure, filled with expanded polystyrene with a big graphite addition.
- Wooden door frame with 1.5 mm galvanised steel cladding, coated with PVC wood-like laminate or polyester paint.
- Door leaf tightness is ensured by a double sealing system, the first and the second system is incorporated into door leaf and door frame and protects the door from four sides.
- Winkhaus STV hook lock with pressure mechanism, in a kit with adjustable interlocking strip in the door frame.
- Strengthening for self-closer.
- Four interlocking door bolts.
- SAFE handle in safety class 3.
- Three 3D hinges.
- Four interlocking door bolts.
- WILKA lock cylinder.
- Eyehole (in solid door leaf at extra charge).
- Drip cap in door leaf colour, for doors opened to the inside (at extra charge).
- ThermoControl threshold (wooden core with stainless steel cladding).
- In glazed models, combined glazing with 0.5 coefficient and P4 anti-burglery class.
- Stainless steel frames (inox pane frame).

Additional accessories / extra charges

- Size “100”
- Eyehole
- Drip cap in door leaf colour
- Additional upper lock
- Stiff chain in painted doors
- Upper escutcheon in class C
- Lower WILKA lock cylinder, class B – replacement for basic kit in class A
- Upper WILKA lock cylinder, class A
- Upper WILKA lock cylinder, class B
- Lower 150 mm stainless steel, bilateral panel (A0, B1, F1 pattern)
- Core – mineral wool
- Strengthening for self-closer
- 1500 mm round or rectangular handle

COLOURS

POLYESTER PAINT ★★★★★

- White Premium RAL 9003
- Metallic Titanium
- Anthracite structure RAL 7024

PCV LAMINATED STEEL SHEET ★★★★★

- Golden Oak
- Winchester Oak
- Brown Oak
- Walnut
- Anthracite

Make a personal colour selection and enquire with Porta CONTRACT.

MODELS

model A0  model B1  model C1  model D1  model E1  model F1
INTERNAL STEEL DOORS
BASIC INFORMATION ABOUT INTERNAL STEEL DOORS

CORE TYPES

HONEYCOMB
This core reduces door weight, presents high mechanical resistance to pressure, offers an attractive price with universal applications. Available in the following collections: Metal BASIC, Metal SOLID

STYROFOAM
The core ensures structural stability, thermal insulation, resistance to moisture, improved mechanical parameters. Available in the following collections: Metal BASIC, Metal SOLID

MINERAL WOOL
This core ensures thermal and acoustic insulation, non-flammability, structural stability and improved mechanical parameters. Available in the following collections: Metal SOLID, EI30, EI60

SEALS
Made of high quality plastic of very good mechanical properties and good shape memory, what guarantees optimal utility parameters.

TRANSOMS
For use with Metal BASIC and Metal SOLID door leaves. There are upper, lateral, upper and lateral transoms.
ACCESSORIES
of main European manufacturers (see pp. 48-49)

• Locks
• Anti-panic locks
• Hinges
• Surface self-closers (rail, arm)
• Integrated strikes, stainless steel sheet metal strikes
• Electric strikes
• Electric jumpers
• Thresholds
• Panels

FINISH TYPES
for more information (see p. 10)

• Galvanised sheet metal
• Coated sheet metal
• Polyester paint
• PVC-laminated steel sheet metal
• Stainless steel

PARAMETERS

<table>
<thead>
<tr>
<th>MECHANICAL CLASS</th>
<th>FIRE RESISTANCE</th>
<th>ACOUSTIC INSULATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Universal doors to utility premises</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Metal BASIC door</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Metal SOLID door</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ei 30 door</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ei 60 door STANDARD type</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ei 60 door Type 1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

MECHANICAL CLASS: Door mechanical resistance to vertical loads, static torsion and impacts, corresponding to normal use, depending on performance conditions (light-, medium-, heavy- and very heavy-duty).

FIRE RESISTANCE: The ability to stop flame spreading for a definite time period, 30 and 60 minutes for EI30 and EI60 class, respectively.

SMOKE-PROOFNESS: Defines door resistance (tightness) to smoke permeability in room and increased (to 200°C) temperature.

ACOUSTIC INSULATION: Defined by Rv and D coefficient of acoustic insulation, indicates the decibel level of outdoor noise which the door will be able to attenuate.
UNIVERSAL DOORS TO UTILITY PREMISES

AT-15-8081/2016, ITB WARSAW

Heavy-duty, galvanised, multi-purpose door. Symmetrical design and universal fittings (lock, hinges) make it possible to install the door in left- and right-hand applications.

LEFT – OR RIGHT – HAND VERSION?

UNIVERSAL

MODELS

SOLID

MODEL 2 (VENTILATED)

front of the door leaf

back of the door leaf

front of the door leaf

back of the door leaf
Door kit components

- Door leaf (painted sheet metal, zinc-coated)
- Door frame (painted sheet metal, zinc-coated)
- Two standard pintle hinges
- Patented cylinder lock
- Handles with escutcheons

Additional options

- Ventilation grille

Door frame included in the price

- Angle-bar metal door frame, 48 mm profile
  Made of 0.8 mm sheet metal, zinc-coated on both sides

Non-standard dimensions

<table>
<thead>
<tr>
<th>Height with varnished door frame</th>
<th>$H_s = \text{max. } 2430 \text{ mm}, \text{ min. } 1300 \text{ mm}</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height with zinc-coated door frame</td>
<td>$H_s = \text{max. } 2080 \text{ mm}, \text{ min. } 2030 \text{ mm}</td>
</tr>
<tr>
<td>Width</td>
<td>$S_s = \text{max. } 1015 \text{ mm}, \text{ min. } 315 \text{ mm}</td>
</tr>
</tbody>
</table>

COLOURS

POLYESTER PAINT ★★★★★

- White RAL 9016
- Grey RAL 7047
- Cream RAL 1001
- Brown RAL 8028
- Anthracite Structure RAL 7024

ZINC-COATED SHEET METAL ★★★★★

Porta KONTRAKT allows you to adapt the door to your individual needs.

www.porta.com.pl/dm/universalne_montaz.wmv
Metal BASIC


An economical solution with top performance parameters maintained. Zinc-coated steel design guarantees high levels of durability and reliability.
**Door set components**

- **Door leaf** (0.5 mm painted sheet metal with a polyester film, zinc-coated)
- **Door frame** (painted, zinc-coated steel) • **Two standard pintle hinges**
- Patented cylinder **lock** • Handles with escutcheons

**Door leaf elements**

- **Door leaf** (0.5 mm painted sheet metal with a polyester film, zinc-coated)
- **Two standard pintle hinges** • Patented cylinder **lock** • Handles with escutcheons

**Accessories**

- Ventilation grille • Sleeves

**Door frame included in the price**

- Metal angle-bar door frame, 44 mm profile (as the Small Angle-bar). Made of 1.2 mm sheet metal, zinc-coated on both sides. Equipped with a closing seal.
- Door frame available in the left- and right-hand version, for placement on a finished floor surface.

**Non-standard dimensions**

| Height with painted door frame | $H_p$ = max. 2080 mm, min. 1300 mm |
| Height with zinc-coated door frame | $H_z$ = max. 2080 mm, min. 2030 mm |
| Width | $S_w$ = max. 1162 mm, min. 352 mm |

**Notes**

- Metal BASIC door is made acc. to the investment standard (see the table of dimensions, p. 50)
- Metal BASIC door leaf can be made acc. to the investment standard and the Polish standard

---

**COLOURS**

**COATED SHEET ★★★★★**

- White RAL 9010
- Grey RAL 7035
- Brown RAL 8017
- Anthracite RAL 7024

**ZINC-COATED STEEL ★★★★★**

Porta KONTRAKT allows you to adapt the door to your individual needs.
Metal SOLID


A broad range of applications at residential buildings and flats, intended for use also in heavy-duty conditions. High-quality paint finish available in any colour makes the product perfectly suited for specific needs of individual customers.
**Door leaf elements**

- Door leaf (0.6 mm powder-coated sheet metal, zinc-coated)
- Two or three pintle hinges standard • Patented cylinder lock
- Transparent or mat tempered glass (models 1-5)

**Accessories**

- Ventilation grille • Sleeves • Handle with escutcheon (EDEL)

**Door frames**

- Angle-bar SMALL, Angle-bar LARGE, Angle-bar LARGE FOLDING door frame.
- ADJUSTABLE (standard), ADJUSTABLE PS „with sharp edges“ door frame

<table>
<thead>
<tr>
<th>Non-standard dimensions</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Height with painted door frame</td>
<td>$H_s = \text{max. } 2430 \text{ mm, min. } 530 \text{ mm}$</td>
</tr>
<tr>
<td>Height with laminated door frame</td>
<td>$H_s = \text{max. } 2040 \text{ mm, min. } 530 \text{ mm}$</td>
</tr>
<tr>
<td>Height with assembled stainless steel door frame</td>
<td>$H_s = \text{max. } 2080 \text{ mm, min. } 530 \text{ mm}$</td>
</tr>
<tr>
<td>Door leaf width (polyester paint)</td>
<td>$S_s = \text{max. } 1244 \text{ mm, min. } 344 \text{ mm}$</td>
</tr>
<tr>
<td>Door leaf width (PVC coated sheet metal)</td>
<td>$S_s = \text{max. } 1044 \text{ mm, min. } 344 \text{ mm}$</td>
</tr>
<tr>
<td>Door leaf width (stainless steel)</td>
<td>$S_s = \text{max. } 1162 \text{ mm, min. } 344 \text{ mm}$</td>
</tr>
</tbody>
</table>

**Supplementary costs**

- Size „100“ (zinc-coated door leaves)
- Size „100“ (acid-proof steel door leaves)
- PVC-laminated door leaves (Golden Oak, Mahogany, Walnut)
- PVC-laminated door leaves (Anthracite)
- Size „100“ (zinc-coated door leaves)
- Patented lock handle with escutcheon (EDEL)
- WC handle with escutcheon (EDEL)

**COLOURS**

**ZINC-COATED STEEL ★★★★★**

- RAL 9016
- RAL 7047
- RAL 1001
- RAL 8028

**POLYESTER PAINT ★★★★★**

- White RAL 9016
- Grey RAL 7047
- Cream RAL 1001
- Brown RAL 8028

**PVC-LAMINATED STEEL SHEET ★★★★★**

- Golden Oak
- Walnut
- Mahogany
- Anthracite

**ACID-PROOF STEEL ★★★★★**

- Porta KONTRAKT allows you to adapt the door to your individual needs.
Metal
EI 30, EI 60


Fire resistant door, available in two protection versions – fire resistance for 30 or 60 minutes, outdoor and indoor applications, in EI 60 version with threshold, smoke proof and with Rw 37 dB acoustic insulation (type 1). Uncompromised protection where necessary!

MODELS

EI 30 solid  EI 30 model 1  EI 30 model 2  EI 30 model 3  EI 60 peine  EI 60 model 1  EI 60 model 2  EI 60 model 3
Door leaf elements
- Door leaf (0.8 mm galvanised sheet metal with painted coating)
- Door frame (1.5 mm galvanised sheet metal with painted coating)
- Two steel bolted hinges, including one spring-loaded
- Lock for lock cylinder
- Set of handles with escutcheons (separately ordered)
- TYPE 1 EI 60 metal door - smoke proof and Rw 37 dB in a kit with threshold

Accessories
- Additional upper lock for lock cylinder
- Anti-panic bars possible in handle - handle and handle - anti-panic bar configurations
- Additionally for EI 60: ventilation grille (door without smoke proofness parameter)
- Electric strikes:
  - standard version on the primary lock - reversing action on additional upper latch lock

Door frame included in the price
- Metal angular door frame with profile width of 84 mm (EI 30) and 110 mm (EI 60), made of 1.5 mm steel sheet metal, hot galvanised on both sides. Provided with a closing seal and a swelling seal
- Possible order of metal door frame in two versions:
  - directional door frame (in left- and right-hand version) for placement on finished floor surface
  - level “0”, a threshold for extra charge (EI 30 and EI 60)
  - universal door frame - to be mounted in floor screed - level of “30”
- TYPE 1 - EI 60 metal, smoke proof and Rw 37 dB door - with threshold

Non-standard dimensions

<table>
<thead>
<tr>
<th>Door Leaf</th>
<th>H_s (max.)</th>
<th>S_s (max.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EI 30</td>
<td>2090 mm</td>
<td>1080 mm</td>
</tr>
<tr>
<td>EI 60</td>
<td>2200 mm</td>
<td>1116 mm</td>
</tr>
</tbody>
</table>

Supplementary costs
- Size „100” for metal door leaves (EI 60)
- Fire resistant eyehole
- Metal threshold (only for EI 30)
- Strengthening for additional self-closer

Notes
- For entrance doors: in glazed designs, it is necessary to apply window pane with special parameters - the price and lead time to be agreed with the Contract Department of the PORTA Company. A possibility to use an extended profile - up to 390 mm - the price and lead time to be agreed with the Contract Department of the PORTA Company.

COLOURS

POLYESTER PAINT

- White  RAL 9016
- Grey  RAL 7047
- Cream  RAL 1013
- Brown  RAL 8024
- Anthracite  Structure RAL 7024

El 60 doors are available as two types:

- Standard type: 60-minute fire resistance, mechanical class 3
- Type 1: features of Standard type door, smoke resistance Sa, Sm

Porta KONTRAKT allows you to adapt the door to your individual needs.
TRANSOMS

Transoms, made in the same profile system, perfectly complement the offer of metal door frames. The transoms enable - in a simple and functional way - to provide additional illumination to a room, separated by a wall, or to isolate rooms, while maintaining visual communication among them. Such solutions are found at office premises, hospitals and schools. The state-of-the-art machinery of the Porta Company enables production of metal transoms in various configurations, both as separate structures and combined with door frames. Combined transoms are available in one of the upper, lateral left and right transom variants or may be installed in all these variants together, i.e., as one assembly. Regarding the products, presented in this publication, the transom-door frame combinations are available for steel door leaves of Metal BASIC and Metal SOLID collections.

EXAMPLES OF OPTIONS

Upper and bilateral transom, version 1

Upper transom

Lateral transom (right / left)

Upper and bilateral transom, version 2

Upper and lateral transom, one-sided (right / left)

### Transom dimensional scopes (overall dimensions)

<table>
<thead>
<tr>
<th></th>
<th>Min. width [mm]</th>
<th>Max. width [mm]</th>
<th>Min. height [mm]</th>
<th>Max. height [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door frames for single-leaf doors</td>
<td>950</td>
<td>2200</td>
<td>2070</td>
<td>3500</td>
</tr>
<tr>
<td>Door frames for double-leaf doors</td>
<td>950</td>
<td>2200</td>
<td>2070</td>
<td>3500</td>
</tr>
</tbody>
</table>
LEGEND

H - height in door frame lumen
NH - height in transom lumen
NhZ - external transom height
Rh - height extension (transom bar + glazing)
S - width in door frame lumen
Sf - width in door frame welt
NS - with in lumen, together with lateral transom
NSz - external transom width
Rs - width extension (transom bar + glazing)
THRESHOLDS

Stainless steel thresholds perfectly complement the offer of Porta doors. A rich offer of profiles is tailored to structures of door leaves and door frames, both wooden and metal. Simultaneously, the threshold itself is distinguished by high aesthetics, being an interesting element of interior design. The threshold enables to separate rooms in a simple and functional way, while ensuring better acoustic insulation vs. solutions without threshold. The state-of-the-art machinery of the Porta Company enables production of thresholds in various configurations, both for single- and double-leaf doors. Profile shapes are adapted to door leaves in rebated and non rebated versions. The threshold provides a natural completion of door frame and increases the functionality of the entire door assembly.

<table>
<thead>
<tr>
<th>Threshold version</th>
<th>Profile [mm]</th>
<th>Application</th>
<th>Proposed application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indoor</td>
<td>90</td>
<td>entrance doors AGAT, OPAL, KWARC</td>
<td>metal doors, wooden and industrial doors</td>
</tr>
<tr>
<td>Indoor</td>
<td>120</td>
<td>entrance doors AGAT, OPAL, KWARC</td>
<td>metal doors, wooden and industrial doors</td>
</tr>
<tr>
<td>GRANIT</td>
<td>120</td>
<td>entrance doors GRANIT</td>
<td>metal doors, wooden and industrial doors</td>
</tr>
<tr>
<td>Metal EI 30</td>
<td>83,5</td>
<td>El 30 metal door</td>
<td>it is possible to match any door type</td>
</tr>
<tr>
<td>Metal EI 60</td>
<td>105</td>
<td>El 60 metal door</td>
<td>it is possible to match any door type</td>
</tr>
</tbody>
</table>

⚠️ ATTENTION! Solution details to be agreed with the Contract Department of the Porta Company – structural changes may be necessary in selected threshold profile.
THRESHOLD TYPES

90 mm, internal doors

120 mm, internal doors

120 mm, GRANIT

83.5 mm, Metal EI 30

105 mm, Metal EI 60

ATTENTION! Every threshold has got a seal, masking the assembly of its components.
Stainless steel panels, mounted on door leaf surfaces, perfectly complement the offer of Porta doors. Depending on version, the panels may be used as door leaf protection in its lower part, which is most often exposed to contact(s) with users, as well as in the upper region of the lock. A rich offer of panels includes versions which provide air exchange though holes in ventilation grilles, sleeves or integrated ventilation panels. The state-of-the-art machinery of the Porta Company enables broad matching of panel sizes and their integration with any accessories which can be mounted on the door. It is very important, taking into account the broad scope of door applications, including investments at office buildings, hospitals, schools and hotels, as well as in other objects where the customer needs additional door surface protection for the character of given environment.

**PROTECTION PANELS**

<table>
<thead>
<tr>
<th>Panel Type</th>
<th>Application</th>
<th>Proposed application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kick–panel</td>
<td>ENDURO door</td>
<td>metal doors, wooden and industrial doors</td>
</tr>
<tr>
<td>Ventilation panel</td>
<td>AQUA door</td>
<td>metal doors, wooden and industrial doors</td>
</tr>
</tbody>
</table>

**Panel applications in PORTA doors**

<table>
<thead>
<tr>
<th>Sheet metal type</th>
<th>Thickness [mm]</th>
<th>Application</th>
<th>Proposed application</th>
</tr>
</thead>
<tbody>
<tr>
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<td>AQUA door</td>
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</table>
PROTECTION PANEL TYPES

Kick-panel

Kick-panel (ventilation grille)

Push-panel (WC lock)

Ventilation panel

Push-panel (patented lock)

Push-panel (handle only)

Push-panel (key only)

Kick-panel with holes for sleeves
(1 row)

Kick-panel with holes for sleeves
(2 rows)

Kick-panel for door leaf in pendulum version
ACCESORIES FOR INTERNAL DOORS

HINGE EXAMPLES

SELF-CLOSERS

STAINLESS STEEL PORTHOLE

ELECTRIC STRIKE FOR SINGLE LEAF DOORS

Wall element  Assembly in unlocked condition  Assembly in locked condition

Seat for type V hinges

Surface arm self-closer  Surface rail self-closer

Stainless steel porthole
Internal diameter of 250 mm for „60” and „70” door leaves and 300 mm for other versions

Electric strike to support the primary lock

ELECTROMAGNETIC HOLDER

PORTA STEEL / portadoors.com
VENTILATION AND PROTECTION PANELS

- Fire resistant grille, powder coated (manufacturer: Lorient)
- Stainless steel grille (manufacturer: Porta)

ELECTRIC JUMPER

- Electric jumper
- Unlocked assembly
- Locked assembly

LOCKS

- Primary lock
- Roller lock
- Upper lock for lock cylinder
- Economy lock

ANTI-PANIC LOCKS

- Single leaf assembly (version with handle)
- Double-leaf assembly (version with lever)

Anti-panic function B - the interior handle with classical panic function opens the lock regardless of its closure state; the exterior handle is connected (unbolted lock) or disconnected (bolted lock) mechanically depending on the needs. The coupling of two handles is provided by a divided spindle. The coupling of both handles is ensured by divided spindle. Application in emergency exit doors of public utility buildings.
LEGEND OF DIMENSIONS

- \( S_s \): total leaf width, including rebates
- \( H_s \): total leaf height, including rebate
- \( D_s \): thickness of door leaf
- \( S_w \): width of wall opening ready for door frame setting
- \( H_w \): height of wall opening ready for door frame setting, measured from the finished floor level
- \( O_s \): clear width of the door frame
- \( O_w \): clear height of the door frame (for the doors with athreshold the height of threshold is deducted for this dimension)
- \( S_0 \): total width of door frame, including door trims
- \( H_0 \): height of door frame, door trims excluded
- \( S_b \): total width of door frame, including door trims
- \( H_b \): total height of door frame, door trims excluded
- \( S_z \): total width of door frame, including door trims
- \( H_z \): total height of door frame, including door trims
- \( T_{sw} \): permissible deviation from width/height of wall opening

**ENTRANCE DOOR**

<table>
<thead>
<tr>
<th>DOORS</th>
<th>SIZE</th>
<th>( S_s )</th>
<th>( S_z )</th>
<th>( D_s )</th>
<th>( S_w )</th>
<th>( H_s )</th>
<th>( O_s )</th>
<th>( O_w )</th>
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<th>( H_0 )</th>
<th>( S_b )</th>
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* Door leaf thickness, measured on vertical edges (door leaf without core, opened from the closing side).
** The application of metal threshold will reduce the specified dimension by 16 mm.
**METAL DOOR FRAMES**

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<th>DOOR FRAME TYPE</th>
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<th>( S_3 )</th>
<th>( H_3 )</th>
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* Orders acc. to the investment standard (passage lumen of 800, 900 mm) – available as standard – without extra charge (investment standard 8 mm should be added to \( S_0 \)).

Please, remember also to properly select the size of door leaves, dedicated to the assembly.

**The application of metal threshold will reduce the specified dimension by 16 mm.**

**COMMENTS:**
- Dimension tolerance acc. to PN: up to 1 m: ± 1 mm, above 1 m: ± 2 mm.
- In order to obtain 50 dimension for double leaf door, it is necessary:
  a) for rebated door leaves: up to \( S_1 \) dimension, provided in Table 1 for single door leaf (rebated), add \( S_3 \) dimension of the second door leaf (rebated) or of a (rebated) side panel – it applies to the assembly with the Porta SYSTEM door frame for rebated door leaves to \( S_1 \) dimension, specified in Table 1 for single door leaf (rebated), add \( S_3 \) dimension of the second door leaf (rebated) or of a side panel (rebated) and reduce the obtained value additionally by 10 mm – it applies to options with the other door frames.

  b) for non rebated door leaves: to \( S_1 \) dimension, specified in Table 1 for single door leaf (non rebated), add \( S_3 \) dimension of the second door leaf (non rebated) or of side panel (non rebated), increased by 16 mm.
- Side panels for rebated doors, available in natural finish, are offered in “40” size, where \( S_1 = 444 \), \( H_1 = 2030 \).
- The door frames are designed to be mounted on finished floor. In case of metal door frames, it is possible to order their longer version (by 30 mm) to be mounted in the floor screed. Then, the specified \( H_0 \) and \( H_0 \) dimensions should be increased by 30 mm (“+30” level).
- The door leaf dimension, specified in the table for internal door leaves, applies to both rebated and sliding leaf versions.
- Porta SYSTEM integrated with upper transom, dimensions: \( H_0 \), \( H_0 \) and \( H_0 + 302 \) mm.
- Using the PROJEKT door frame, enlarge the hole in brick wall \( S_0 \) by 25 mm and the height \( H_0 \) by 15 mm (the tolerance or results ±10 mm / ±5 mm).
PORTA’S COMPREHENSIVE OFFER

A wide selection of Porta doors allows you to choose the right product according to both the customer’s taste and needs. We continuously follow the trends in design, to make our offer valid and attractive. We make sure that the product colours meet the customer’s tastes. At the same time we pay attention to detail, which is why Porta is a brand that combines functional solutions with high quality.

INTERIOR DOORS
in synthetic veneers

We offer a wide range of door designs and veneers for houses, apartments, lofts and offices. Both lovers of classic designs as well as people interested in the latest trends will find a product meeting their needs in our offer.

INTERIOR DOORS
in natural veneers

For the lovers of good taste, impressive and elegant solutions, we have prepared a collection of doors in natural veneers. Here you can find both traditional and modern doors.

INTERIOR ENTRANCE DOORS

Porta interior entrance doors are available as reinforced doors, fireproof doors and burglarproof doors. It is worth mentioning that the entrance doors have the same colour scheme as the doors to the rooms. Therefore, it is easy to match the colour of the entrance door to the doors inside the apartment.

EXTERIOR ENTRANCE DOORS

Exterior doors complement the style of the building, as well as provide protection against noise, cold and moisture. Porta doors have exceptional thermal insulation properties, which combined with the use of effective anti-theft solutions ensure a sense of security and comfort.
TECHNICAL DOORS

Technical doors are an indispensable complement to the series of doors used in public buildings, shopping malls, cinemas, etc. Such doors can also be found in use in residential houses. A wide range of Porta technical doors allows to meet all the requirements of the building in the area of fire protection and sound insulation.

STEEL DOORS

The use of high-quality galvanised and acid-proof steel allows us to offer doors resistant to weather conditions and aggressive environments in laboratories, swimming pools, etc. Steel doors are perfect for technical areas of commercial buildings, garages, basements and areas with increased hygienic requirements.

DOOR FRAMES, TRANSOMS

A wide range of Porta door frames, both steel and wooden, makes it possible to match the parameters and properties that meet all the expectations of the designer or user. The same type and colour of the veneer as the door leaf allows us to offer a complete door set with uniform visual and functional parameters.

PANELS, BUILT-IN FURNITURE

Continuously growing interest in door portals and all kinds of built-in furniture was reflected in Porta’s product offer. We offer wall panels made of panels with a properly chosen thickness and any size, veneered with the same veneer as the door. This allows us to create complex, visually uniform built-in furniture in the immediate surroundings of the door.
ADAPT INTERNAL DOORS TO FIT YOUR NEEDS

1. DOOR FRAME FITTING TO EXISTING DOOR LEAF

2. DOOR LEAF FITTING

3. DOOR FITTING TO THE HOLE IN BRICK WALL (Specify Ho, So)

Additional Information:

Ow - height in door frame lumen (measured from the level of finished floor)
Os - width in door frame lumen
Ho - height of brick wall opening ready for door frame setting (measured from the level of finished floor)
So - width of brick wall opening ready for door frame setting

The processing of orders beyond standard offer is carried out by the dedicated Contract Department.
A set consisting of the stainless steel door frame and the stainless steel door leaf used in a medical laboratory.
PORTA distribution network:

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Stamp: