



ALUMINIUM AND STEEL  
**FIRE DOORS AND WALLS**



## GENERAL INFORMATION



### Fire safety requirements

Fire safety is one of the essential demands set by building law. Satisfaction of this requirement consists in reducing the occurrence and spread of fire inside buildings and to any adjacent structures, and enabling people inside the building on fire to leave it. This necessitates the division of the building into fire zones, for which purpose fire walls are used. WIŚNIEWSKI Group **fire doors and walls** are therefore made from high quality materials and satisfy the most stringent technical requirements, whilst their aesthetic finish gives them a modern appearance. The products possess ITB Technical Approval and Certificate of Conformity.



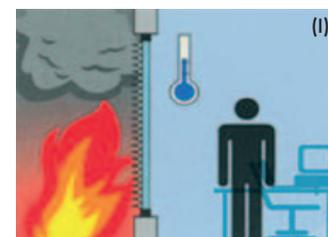
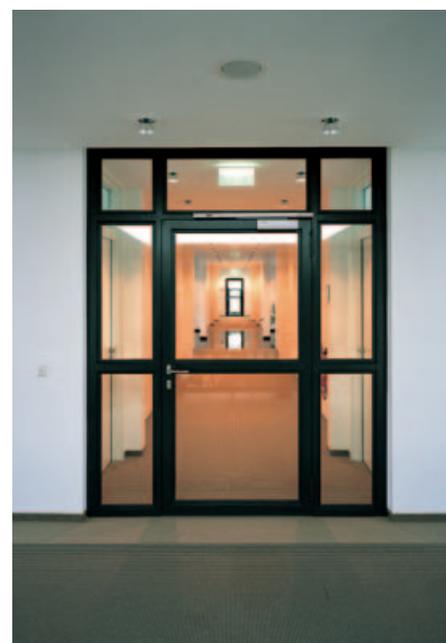


WIŚNIEWSKI Group **fire doors and walls** may be built independently or may constitute an element in the building of a wall. The fire resistance of the wall may not be lower than fire resistance of the door. Large, glazed surfaces allow many interior design options, whilst at the same time separating fire zones. Owing to their high aesthetic value and mechanical strength, these solutions are widely used in public buildings and facilities; shopping centres, office buildings, schools, hospitals, banks and hotels.

**Individual solutions** - a variety of door and wall shapes and designs creates unlimited possibilities, attractive from the point of view of designers and investors alike. Doors and walls may be installed both inside and outside, and may be glazed or solid.

**Fire protection** - WIŚNIEWSKI Group fire doors and walls guarantee maximum safety and durability in extreme conditions. They can be made in fire-resistance classes EI 30 or EI 60, maintaining class S 30 and S 60 smoke-tightness parameters. This indicates fire tightness (E), i.e. impenetrability to flames; and fire insulating capacity (I), meaning that thermal energy transfer is restricted for 30 and 60 minutes, respectively. (S) indicates the smoke-tightness class of the partition.

**Extra protection** - WIŚNIEWSKI Group fire doors and walls are characterised by excellent acoustic insulation parameters. They frequently find application in rooms in which it is essential to maintain silence, or to isolate other rooms from noise.



# FIRE-RESISTANT **ALUMINIUM JOINERY**



\*) - on conditions specified by the Manufacturer

**Wide application** - fire-resistant aluminium joinery may be used in both domestic and public buildings. Fire-resistant aluminium doors and walls are offered in the following fire-resistance classes: EI 15, EI 30, EI 45 and EI 60, and smoke-tightness: S 30. Fire-resistant aluminium joinery elements are available for both internal and external applications. It is also possible to make a fire-resistant façade.



**EI 15 / EI 30**  
**EI 45 / EI 60**



**Bespoke fit** - WIŚNIEWSKI Group fire-resistant aluminium doors and walls are custom-made to order, adapted to the project, whilst satisfying requirements for technical approval. The aluminium doors are provided with adjustable

hinges, which allow the door leaf to be perfectly positioned. Doors are available with a fire-resistant single glazed pane, glazing unit, or panelled.

- access control system,
  - automatic dropping strip on smoke-tight door.
- Availability of options - see page 10.



**Long-lasting** - WIŚNIEWSKI Group aluminium doors and walls possess a 10-year warranty on the paint coating. Aluminium joinery is resistant to corrosion and is characterised by high resistance to humidity and UV radiation. In addition, it offers high resistance to scratching.

#### Additional equipment

Fire-resistant aluminium joinery may be equipped with additional options:

- lock with anti-panic bar for evacuation in the event of fire,
- electromagnetic door holder,
- closing sequence control (CSC) for double-leaf door,



## FIRE-RESISTANT PROFILE STEEL JOINERY



\*) - on conditions specified by the Manufacturer

### Wide application

Fire-resistant profile steel joinery performs well in both public and domestic buildings. WIŚNIOWSKI Group fire-resistant steel doors and walls from are custom-made to order and may be fitted to various height and width values in designs, subject to requirements for technical approval. Fire-resistant steel doors and walls are offered in two fire-resistance classes: EI 30 and EI 60, and smoke-tightness: S 60. Fire-resistant steel joinery may be used both inside buildings and in external walls.





**Solid construction** - failure-free use and exceptional resistance to damage is ensured by the doors' rigid steel construction and welded joints. This is especially important for doors in heavy use, e.g. those installed in public buildings.

**Quality assurance** - the fire doors' and walls' high anti-corrosive resistance has been obtained due to excellent surface protection. The shot blasting method, that is, an abrasive blasting

treatment, allows thorough preparation of the surface for painting. The element is then twice powder-coated: with primer and with finishing paint. Owing to its exceptional production process, WIŚNIEWSKI Group fire-resistant steel joinery is covered by a 5-year anti-corrosion warranty

**Aesthetics** - the doors' lack of visible joints between the steel profiles and high aesthetic

value and make them a perfect fit in elegant interiors and high-class facilities; everywhere where, in addition to fire safety requirements, the appearance of the interior is important.

#### **Additional equipment**

Fire-resistant steel joinery may be equipped with additional options:

- lock with anti-panic bar for evacuation in the event of fire,
- electromagnetic door holder,
- closing sequence control (CSC) for double-leaf door,
- access control system,
- extra locks,
- automatic dropping strip on smoke-tight door.

Availability of options - see page 10.



## FIRE-RESISTANT **STEEL JACKET JOINERY**

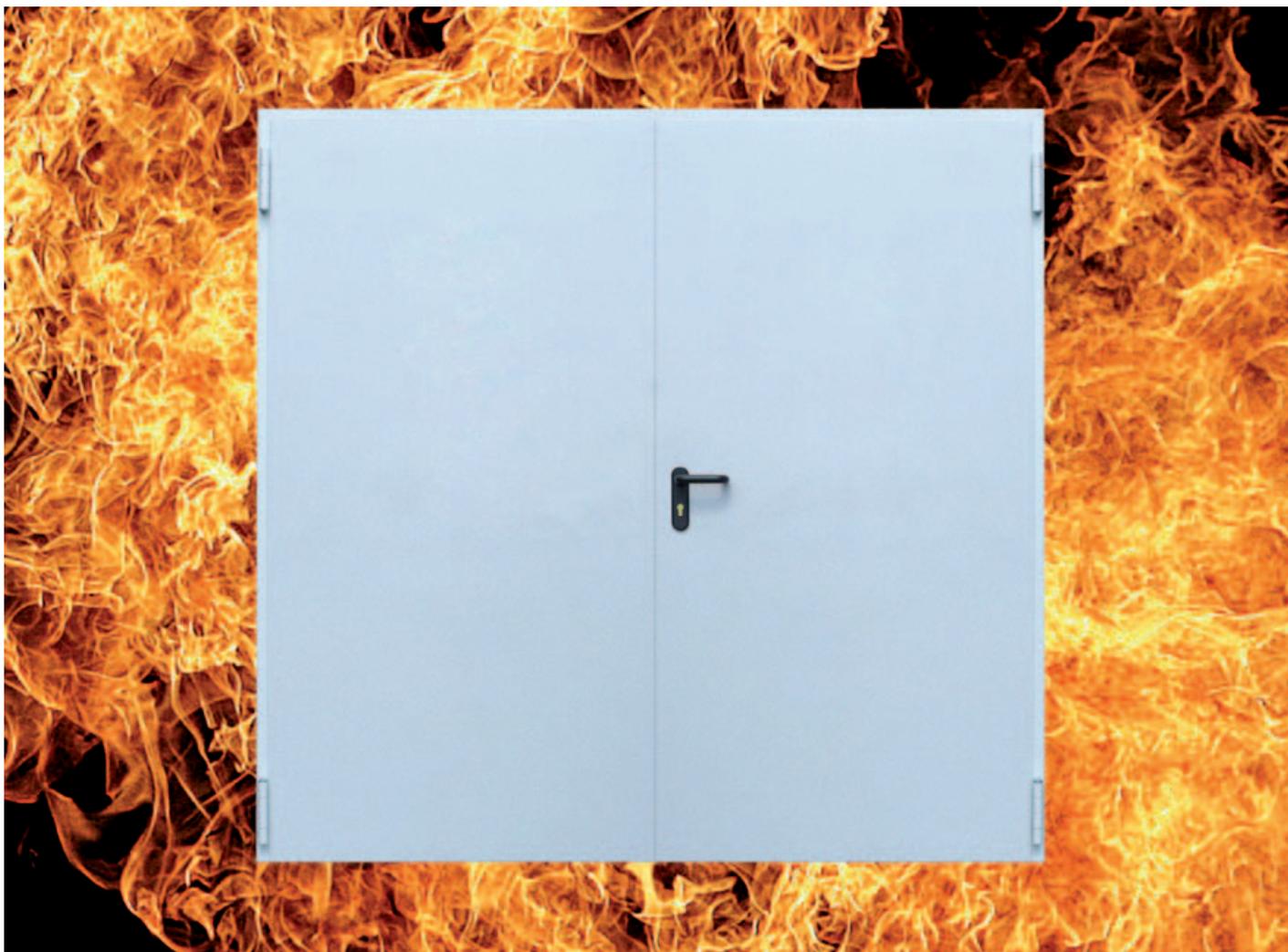


### **An economical solution**

WIŚNIEWSKI Group steel jacket doors are available in fire-resistance classes EI 30 and EI 60, in single- or double-leaf versions. They are designed to close rooms including: boiler-rooms, back rooms, staircases acting as evacuation routes in factories, offices, schools, cinemas, hospitals, and in underground circulation routes, e.g. in parking lots. The doors have Certificate of Conformity **ITB-1668/W** and Technical Approval **ITB AT-15-7413/2007**.



**EI 30 / EI 60**



**Safety as standard** - the steel jacket fire-resistant door is equipped as standard with: non-heat conducting handle, expanding seal along upper and side door leaf edges, and two hinges including one with a spring for complete closure.

#### Additional equipment

Fire-resistant steel jacket joinery may be equipped with additional options:

- lock with anti-panic bar for evacuation in the event of fire,
- electromagnetic door holder,
- closing sequence control (CSC) for double-leaf door,
- access control system,
- electromagnetic lock, glazing, threshold, self-closing mechanism.

Availability of options - see page 10.

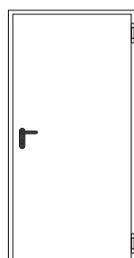
Steel jacket doors are also available as **non-fire-resistant** internal doors, intended for rooms not requiring fire-resistance, e.g. garage entrances, basements, shop and workshop back rooms, attic entrances.



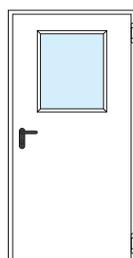
non-heat-conducting handle



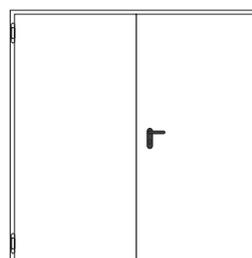
section: door leaf + hinge



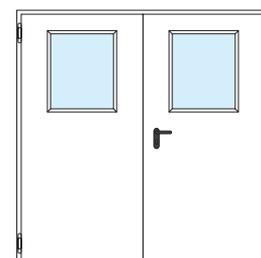
1. single-leaf steel jacket door



2. single-leaf steel jacket door with glazing

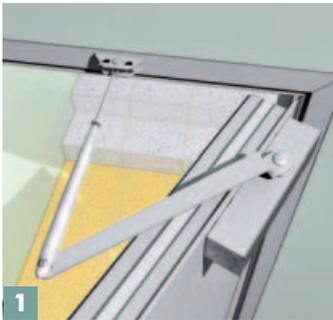


3. double-leaf steel jacket door



4. double-leaf steel jacket door with glazing

# DOORS EQUIPMENT



1 Self-closing mechanism



2 Anti-prise pin



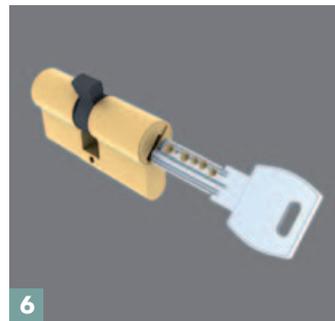
3 Hinge with spring



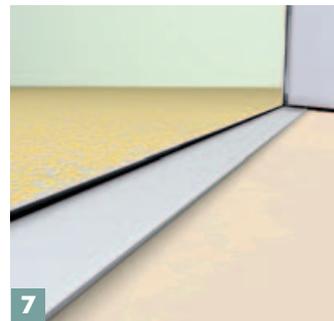
4 CSC (closing sequence control)



5 Lock with anti-panic bar



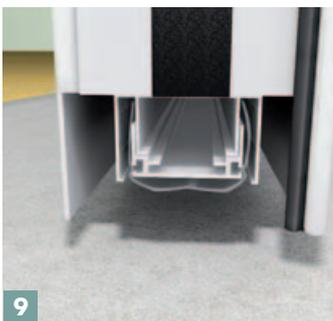
6 MCM attested insert



7 Threshold



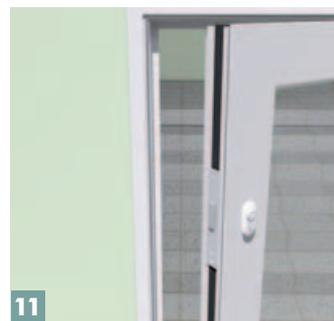
8 Glazing



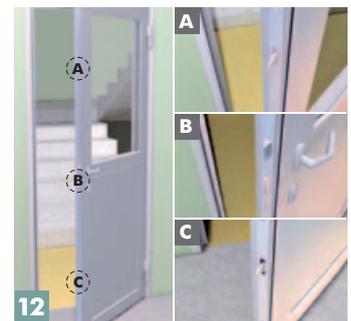
9 Smoke-tightness



10 Electromagnetic lock



11 Extra lock



12 Multipoint lock

	ALUMINIUM DOORS	PROFILE STEEL DOORS	STEEL JACKET DOORS
1 Selfclosing mechanism	○	○	◐
2 Anti-prise pin	○	○	○
3 Hinge with spring	●	●	○
4 CSC (closing sequence control)	◐	◐	◐
5 Lock with anti-panic bar	◐	◐	◐
6 MCM attested insert	◐	◐	◐
7 Threshold	◐*	◐*	◐
8 Additional glazing	—	—	◐
9 Smoke-tightness	◐	◐	◐
10 Electromagnetic lock	◐	◐	◐
11 Extra lock	◐	◐	●
12 Multipoint lock	◐	◐	●
13 Automatic locking of passive leaf	◐	◐	◐
14 Manual locking of passive leaf	◐	◐	◐

\*) - standard on exterior doors;

○ standard equipment    ◐ additional equipment    ● unavailable    — not applicable

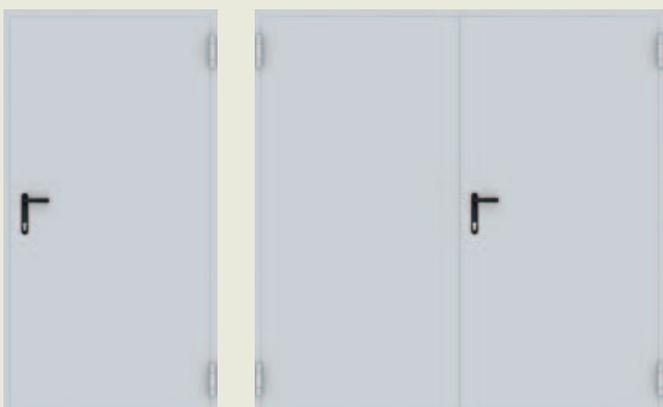
# DOOR DESIGNS AND COLOURS



## EXAMPLE DESIGNS OF ALUMINIUM AND STEEL PROFILE DOORS AND WALLS



## EXAMPLE DESIGNS OF STEEL JACKET DOORS



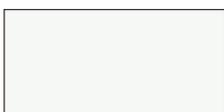
### Wide colour palette

The wide range of colours allows a door colour to be chosen to match the building façade, window joinery or finishing elements. The leaf frame, door frame and panel are powder-coated in any of the 210 colours from the RAL palette. This allows the doors to be custom matched to the surrounding architecture.



For technical reasons related to printing, actual door colours may differ from those shown above. When making your purchase, please ask your salesperson for advice. All colours according to the RAL palette.

### STANDARD COLOURS<sup>(1)</sup>



White, RAL 9016



White Aluminium, RAL 9006



Dark brown, RAL 8019



Dark brown, RAL 8017



Brown, RAL 8016



Brown, RAL 8014



Grey, RAL 7040



Grey, RAL 7035



Green, RAL 6029



Blue, RAL 5010



Red, RAL 3000

<sup>(1)</sup> - for aluminium doors - gloss 70°;  
for profile steel doors gloss 30° (mat).  
For steel jacket doors, the only  
standard colour is RAL 7035.



## THE COMPANY

**WIŚNIEWSKI** Group is the largest manufacturer of garage and industrial doors and fencing systems in Central Europe. We are a privately-owned company, based entirely on Polish capital. At present, we employ almost 1000 people.

For several years now, our production processes have been based on the Quality Management System, confirmed by ISO 9001:2000 certification. All our products satisfy applicable quality and safety standards. Production is carried out with special care for the natural environment.

Our distribution network includes more than 800 Sales Outlets located all over Poland and abroad. They guarantee quick order completion and professional consultation supported by our company Sales Representatives.

Our products are directed at individual consumers, companies and institutions.

Buying **WIŚNIEWSKI** products, you can be sure that you have invested in a good Polish brand.

## TECHNOLOGY

Our motto is **"Quality without compromise"**. The manufacture of world-class products requires us to employ innovative technologies; production automation ensures repeatability and precision; efficient processes guarantee the maintenance of competitive prices; the best materials make up the best product.

The majority of our components and subassemblies are created in our own construction office and supporting departments. This allows us to keep full control of the product.



### WIŚNIEWSKI

### Offer

#### Garage doors

sectional, roller and overhead doors, double-leaf gates, automatic systems

#### Industrial doors

sectional and roller doors, overhung sliding gates, automatic systems

#### Residential fences

sliding and double-leaf gates, wickets, segments, posts, automatic systems

#### Industrial fences

sliding and double-leaf gates, wickets, segments, posts, panel grate fences, automatic systems

#### Aluminium joinery

aluminium doors, automatic doors, aluminium windows, facades, aluminium fire doors

#### Steel joinery

steel profile doors and walls, steel profile fire doors and walls, steel fire resistance doors and without fire resistance glass

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Issue 01/01.09/EN



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N = 49° 40' 10"

E = 20° 41' 12"

