

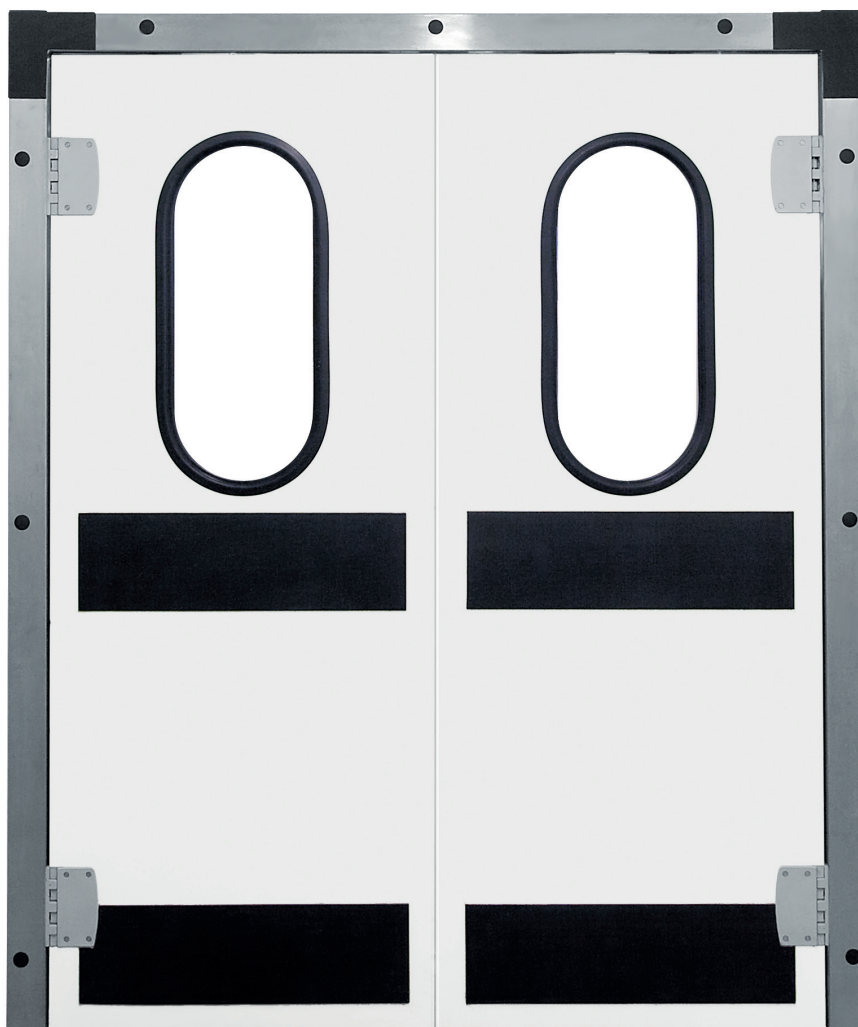
Insulated Panels
Poland, Lithuania, Latvia, Estonia, Ukraine

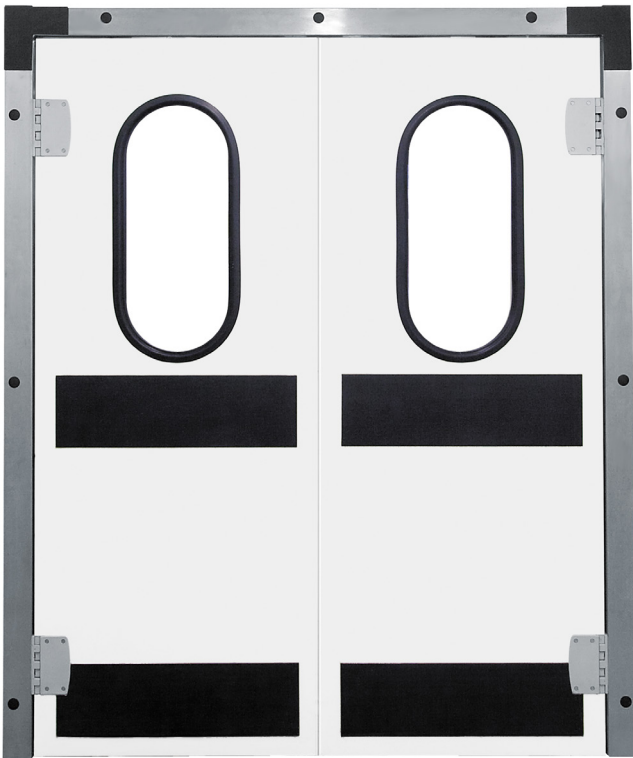
Kingspan

DSH2

Swing doors (hinged)

Swing doors (hinged, double leaf) - traffic doors.



**Technical information:****Temperature range:**

- Swing doors: 0°C to above + 16°C

Door leaf:

- 40 mm thick
- Galvanized steel covered with 25 µm PES coating in R9002/R9010; protection foil
- Other material can be used, e.g. INOX stainless steel, Foodsafe chemically neutral coating 150 µm thick for interior and food contact applications, etc.
- Foamed-in-place polyurethane insulation of 42 (+/- 2) kg/m³ density
- Equipped with a peripheral gasket that seals the contact between the door leaf and the frame
- The bottom brush seal that seals the contact between the door leaf and the floor
- Plexiglass windows with dimensions 300x700 mm
- Plastic buffers

Door frame:

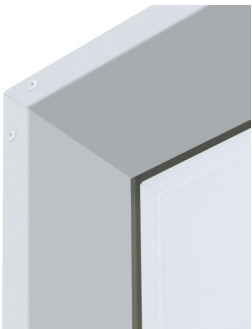
- Fitted onto the opening
- Inox steel
- Not insulated
- One-sided for traditional assembly

Hardware:

- Provided by INGRADO.

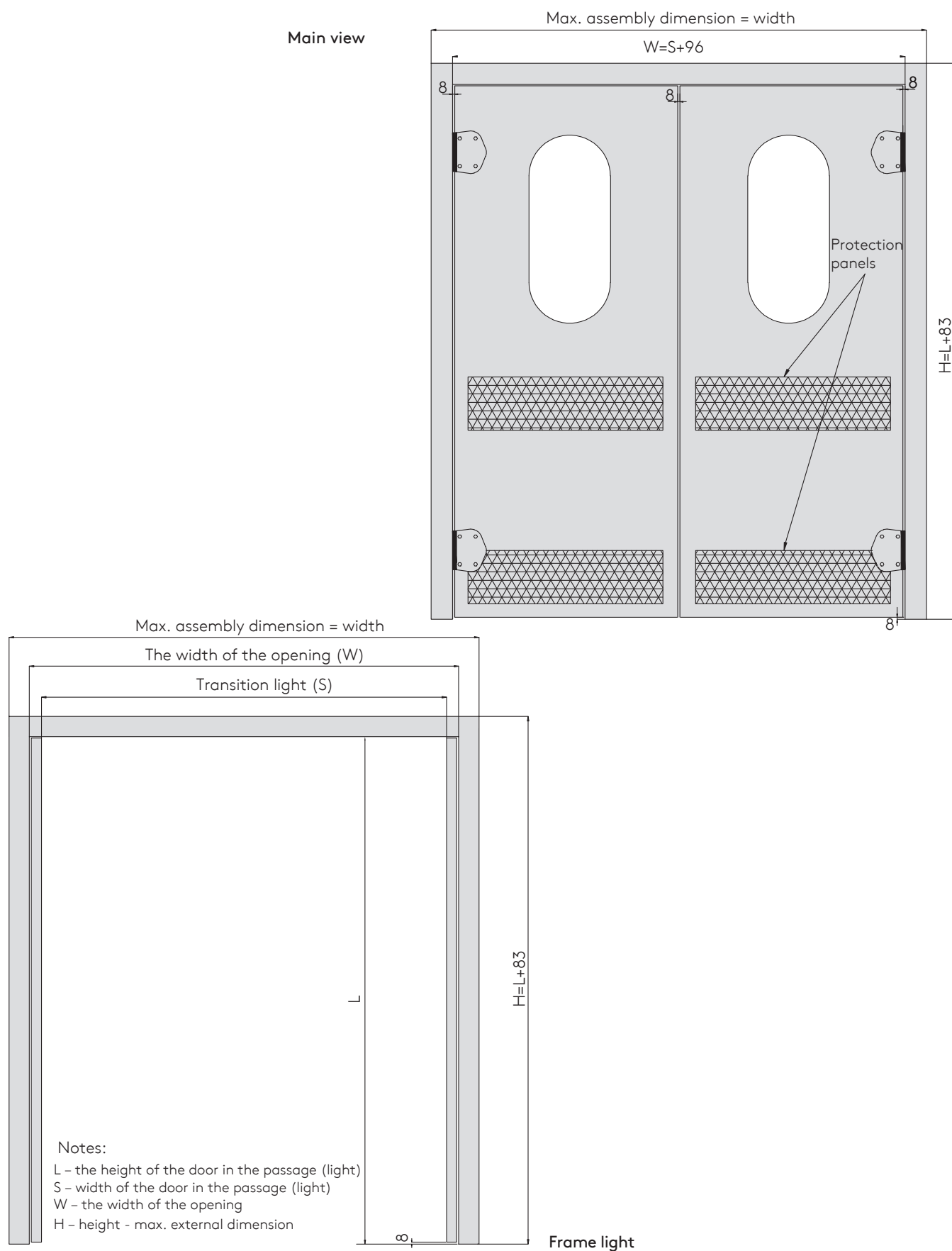
Standard dimensions range:

- min: 1200x2000 mm,
- max: 2400x2500 mm
- Dimensions other than standard.

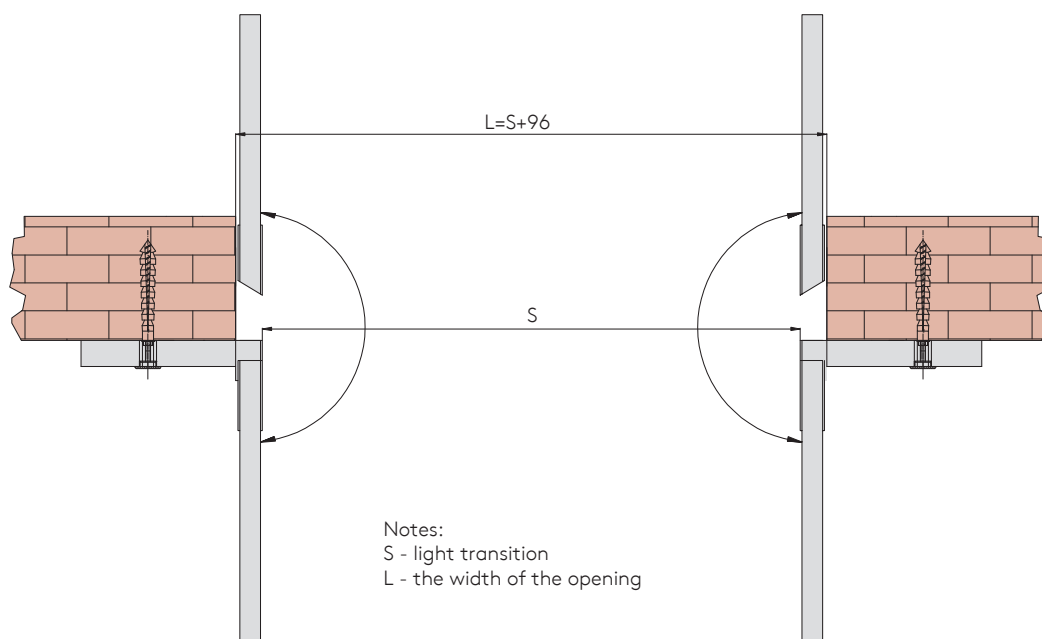


0,024 W/mK

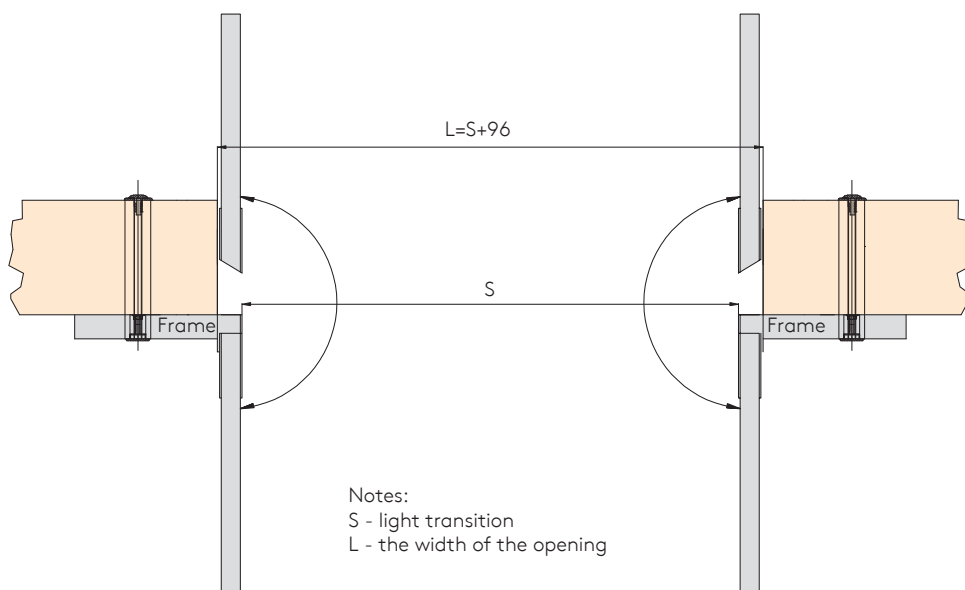
Drawings of installation:



Assembly in to wall



Assembly in to panel



Installation guide:

1. Unpack doors.
2. Read a product description and compare it with your order and goods that have arrived to you (width, height, opening direction).
3. Check dimensions of an opening in a wall with the ones recommended by a producer.
4. Clean and smooth edges and surfaces of the opening.
5. Check the floor level at the area of a leaf revolution.
6. Take the door leaf down a frame and remove a technological beam.
7. Put the frame temporarily in the chosen opening in the wall and immobilize it.
8. Correct the initial arrangement of the frame in the opening and immobilize it with quick installation handles.
9. Indicate and make installation holes for screws (installation to panels) or anchors (installation to brick wall).
10. Install flashings in case of installation to panel.
11. Put the frame in the prepared place and immobilize it with quick installation handles.
12. Check the horizontal and vertical level of the frame and regulate it if necessary.
13. Check how the leaf closes and opens in the frame - depending on the situation, regulate it.
14. Tighten screws to install the arms of the frame.
15. Fill in a gap between the frame and the wall (the frame and a panel) with silicone.
16. Cover installation holes.
17. Remove protective foil from the leaf surface directly after the installation.

Maintenance:

Recommendations:

- At least twice a year you should smear lubricant on all hinges and a lock.
- At least twice a year you should preserve gasket with a substance for sealant preservation.
- You should fill in a loss of lacquer or zinc layer (which has been caused by scratches) to prevent the product from corrosion. Losses should be filled in with commonly-used anticorrosion paints.
- For door should not act directly to weather conditions (rain, snow, sun) and should be protected at least a roof that protects for mention conditions.

Transport and storage of doors:

- You should exercise extreme caution while door transport and storage.
- Loading room should be clean and no sharp elements should stick out of the floor and walls to prevent doors from damage.
- Doors for transport (storage) should be laid vertically (separately) or horizontally – maximum 5 layers separated with a protective separator (standard-sized doors are packed in a carton box). In cases of big-sized doors, transport and storage should be arranged on a special rack.
- In the case of large doors, transport and storage should take place on special stands..
- During loading, the doors should be set so that the plane of the wings is parallel to the longitudinal axis of the vehicle.
- Doors that have been loaded on a truck should be belted to the vehicle in such a way that stability is ensured and goods are prevented from movement and damages during transport.
- Doors packed on a pallet should be stored and transported in such a way, with the difference that the pallet with the door can be moved and loaded with a forklift.
- Storage place should be dry and airy; apart from this it should shelter doors from rain, snow and sunlight.

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Issue: 05/08/2025 (v3)

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