

Insulated Panels
Poland, Lithuania, Latvia, Estonia, Ukraine

Kingspan DFCH1

Cold storage flush doors

Cold storage flush doors (hinged, single leaf) for use in buildings where the required interior temperature range is 0°C to +16°C.





Technical information:

Temperature range:

- For use in buildings where the required interior temperature range is 0°C to +16°C

Door leaf:

- Door leaf thickness: 80 mm, 100 mm
- Galvanized steel covered with 25 µm PES coating in R9002/R9010; protection foil.
- Other material can be used, e.g. INOX stainless steel, 150 µm FoodSafe chemically inert coating for interior and food contact applications, etc.
- Foamed-in-place polyurethane insulation of 42 (+/- 2) kg/m³ density
- Rounding gasket to seal the contact point between the door leaf and the frame.
- Bottom gasket to seal the space between the door leaf and the threshold.
- Possibility to equip the door with a combined, two-chamber window and plastic bumpers.



Door frame:

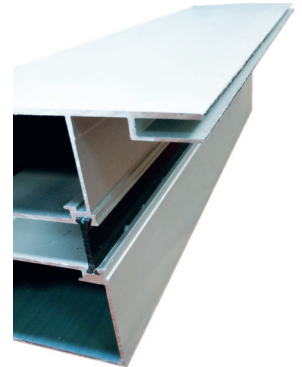
- One side exterior, made of aluminium, not insulated
- For assembly to insulated panel wall using appropriate flashings from internal side.

Hardware:

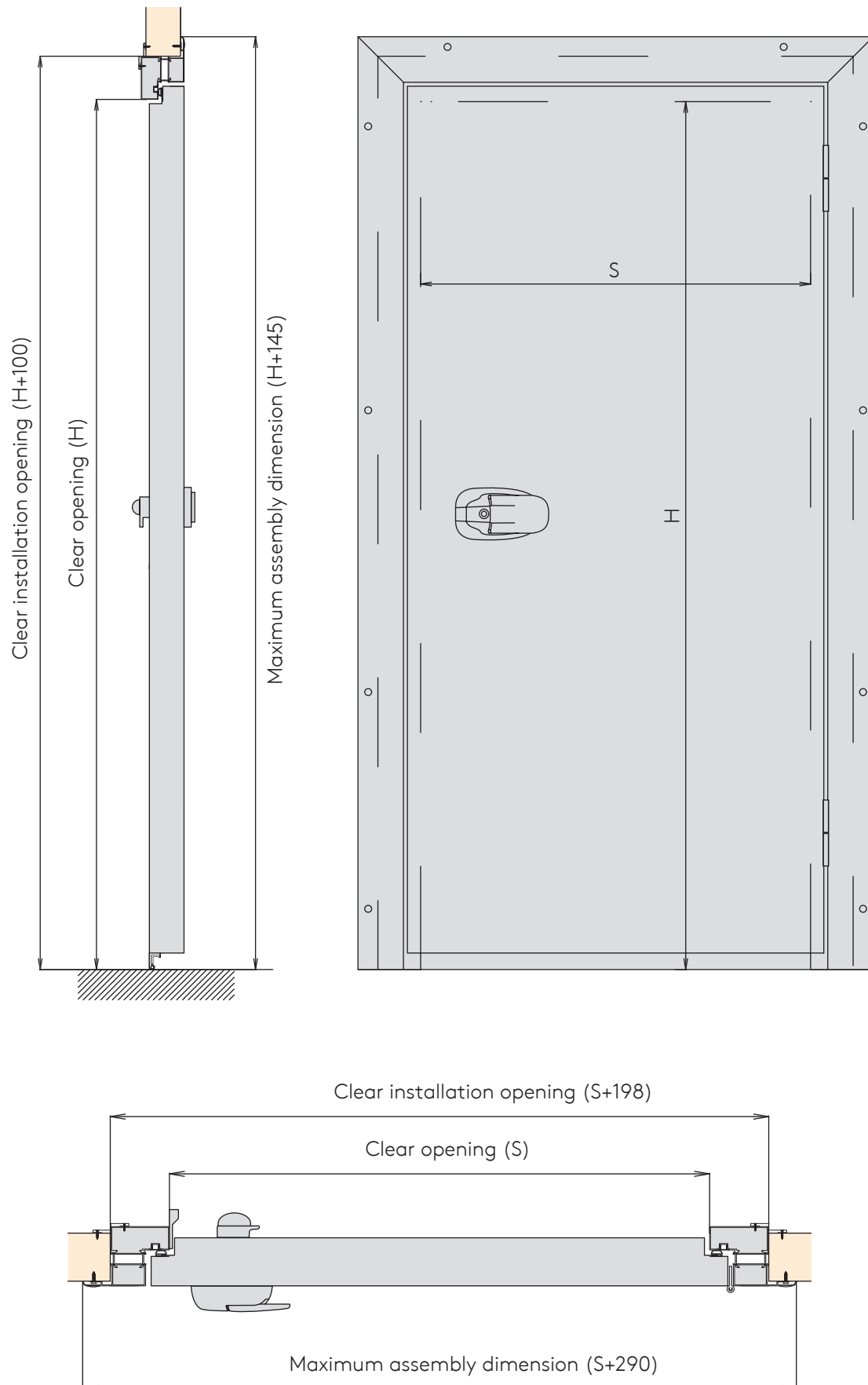
- Lock - provided by FERMOD.
- Standard steel hinges.
- Screws and flashings for installation.

Standard dimensions range:

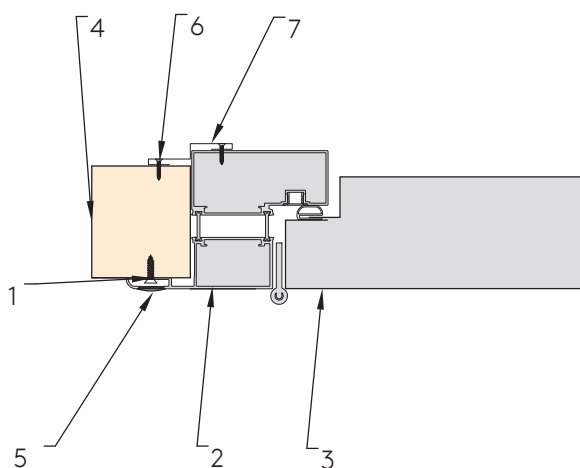
- min.: 700x1800 mm,
- max.: 1000x2200 mm, 1200x2100 mm
- Non-standard dimensions are also available.



Drawings of installation:

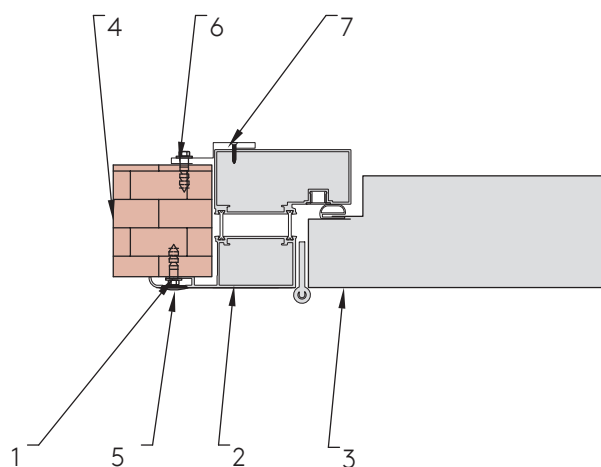


Assembly to insulated panel



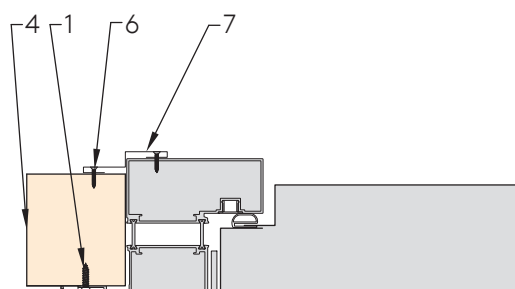
- 1 - Screw
- 2 - Frame
- 3 - Door leaf
- 4 - Wall panel
- 5 - Plug
- 6 - Screw
- 7 - Flashing

Traditional assembly (brickwall)



- 1 - Lag screw
- 2 - Frame
- 3 - Door leaf
- 4 - Brickwork
- 5 - Plug
- 6 - Screw
- 7 - Flashing

Cut out frame



- 1 - Screw
- 2 - Frame
- 3 - Door leaf
- 4 - Wall panel
- 5 - Plug
- 6 - Screw
- 7 - Flashing

Installation guide:

1. Unpack the door.
2. See description of product and check its compliance with order and description (width, height , direction of opening).
3. Check dimensions of hole in wall with manufacturer's recommended.
4. Clean and straighten edges and surfaces of prepared hole.
5. Check level of floor in turning area on door leafs. In absence of target forms, finish floor to keep mounting slot.
6. Remove the door leaf from the frame and remove the technological beam.
7. Pre-position the frame in the selected place of the light prepared in the wall of the opening and immobilize it.
8. Correct the errors in the initial setting of the frame in the opening and immobilize it using quick-assembly grips.
9. Mark and make mounting holes for pins (mounting to the board) or anchors (mounting to the wall).
10. Install flashings in case of mounting to the panel.
11. Place the door frame in the selected place of the light prepared in the wall of the opening and fix it with the use of quick-assembly grips.
12. Correct and possibly adjust the vertical of the frame arm equipped with hinges using a spirit level.
13. Check how the leaf closes and opens in the frame - make appropriate adjustments depending on the situation.
14. Finally, install the frame arms.
15. Fill the gaps between the frame and the wall / panel with silicone.
16. Plug the mounting holes.
17. Remove the protective foil securing the door leaf immediately after its 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 cased by scratches) to prevent the product from corrosion. Losses should be filled in with commonly-used anticorrosion paints.

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.
- 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.
- Storage place should be dry and airy; apart from this it should shelter doors from rain, snow and sunlight.

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