

Insulated Panels
Poland, Lithuania, Latvia, Estonia, Ukraine

Kingspan DFFH1

Freezer flush doors

Freezer flush doors (hinged, single leaf) for use in buildings where the required interior temperature range is 0°C to -35°C.





Technical information:

Temperature range:

- For use in buildings where the required interior temperature range is 0°C to -25°C

Door leaf:

- Door leaf thickness: 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:

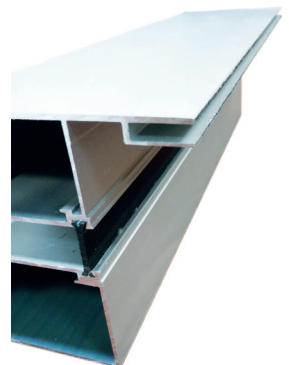
- One side exterior, made of aluminium, not insulated
- For assembly to insulated panel wall using appropriate flashings from internal side
- Heating threshold to be concreted.

Hardware:

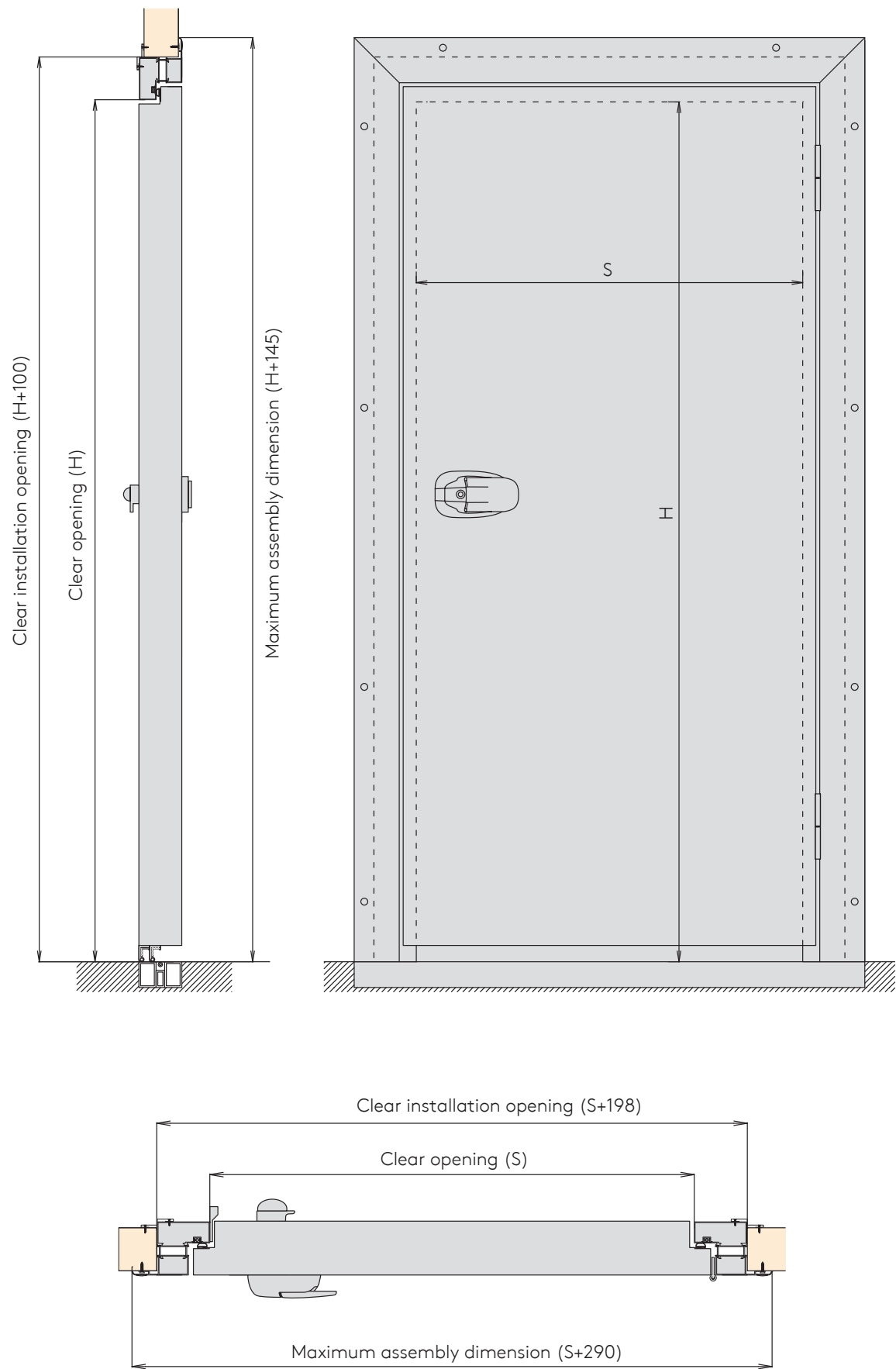
- Lock - provided by FERMOD.
- Hinges provided by STUV.
- Screws and flashings for installation.

Standard dimensions range:

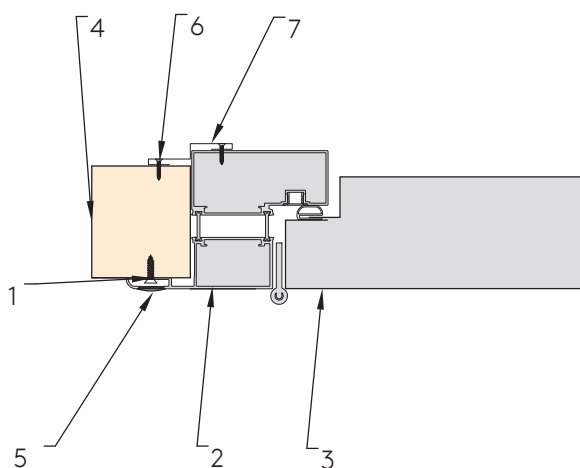
- min: 700x1800 mm,
- max.: 1000x2200 mm, 1200x2100 mm
- Non-standard dimensions are also available.



Drawings of installation:

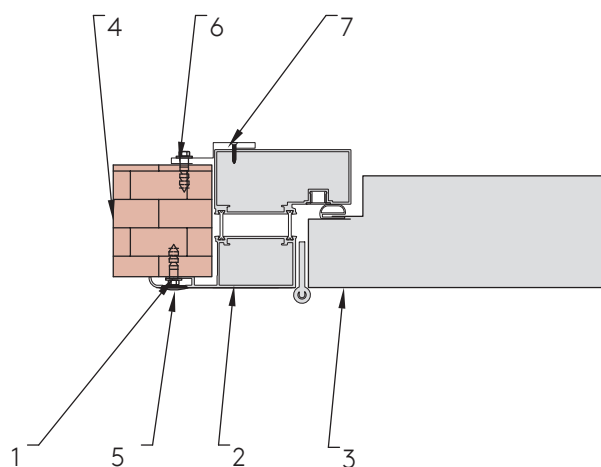


Assembly to insulated panel



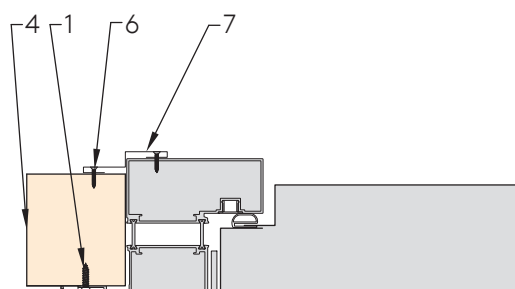
- 1 - Screw
- 2 - Frame
- 3 - Door leaf
- 4 - Wall panel
- 5 - Plug
- 6 - Screw
- 7 - Flashing

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

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. Pre-position the frame in the selected place of the light prepared in the wall of the opening and immobilize it.
7. Install the flashings from the inside, fixing them with screws.
8. Fix the door frame with screws from the outside of the chamber.
9. Correct and possibly adjust the vertical of the frame arm equipped with hinges using a spirit level.
10. Check how the leaf closes and opens in the frame - make appropriate adjustments depending on the situation.
11. Fill the gaps between the frame and the wall / panel with silicone.
12. Plug the mounting holes.
13. Remove the protective foil securing the door leaf immediately after its installation.

Maintenance:

Recommendations:

- At least twice a year, lubricate all hinges and door lock.
- At least twice a year, the gaskets should be treated with a gasket preservative.
- Replenishing paint or zinc coating defects, resulting from bruises or scratches, in order to protect the product against corrosion centers. It is best to fill the cavities with anti-corrosion paints generally available on the market.
- Doors made of stainless steel should be repaired with resins with fiberglass.
- The door should not be exposed to weather conditions (rain, snow, sun) and should be protected at least with a protective roof.

Transport and storage of doors:

- Doors should be transported and stored with particular care.
- Loading spaces of means of transport should be clean, and the planes of walls and floors should not have protruding sharp elements that could damage the door..
- Doors for transport (storage) should be placed vertically, individually or horizontally in the maximum position 5 layers separated with spacers (for standard sizes - doors packed in a cardboard box). In the case of large doors, transport and storage should take place on special stands.
- During loading, the doors should be positioned so that the plane of the wings is parallel to the longitudinal axis of the vehicle.
- The loaded and properly positioned door must be attached to the means of transport (e.g. with safety belts) in a way that ensures stability and protects it against displacement and damage during transport..
- Doors packed on a pallet should be stored and transported in the same way, with the difference that the pallet with the door can be moved and loaded using a forklift.
- The storage place should be dry and airy, and should also protect the door against rainfall.

Poland:

Kingspan Sp. z o.o.
ul. Przemysłowa 20
27-300 Lipsko
tel.: +48 48 378 31 00
fax: +48 48 378 13 30
www.kingspan.pl

Estonia:

Kingspan Eesti
Tel (+371) 28 393 333
info@kingspan.ee
www.kingspan.ee

Latvia:

Kingspan Latvia
Kronvalda bulv. 3-1
LV-1010 Riga
Tel: +371 28393 333
info@kingspan.lv
www.kingspan.lv

Lithuania:

UAB Kingspan
Neries kr. 16
LT-48402, Kaunas
Tel: +370 66 565 862
info@kingspan.lt
www.kingspan.lt

Ukraine:

ТОВ «Кінгспан-Україна»
7Б Наукова, офіс 113В
79060 м. Львів
+38 067 538 8930
email: info@kingspan.ua
www.kingspan.ua

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