

Kingspan

Cold Store & Freezer Chambers (cam-lock)

Assembly instruction

A system of cold store/freezer chambers with cam-lock



Kingspan cold rooms and freezer chambers combine quick installation and the ability to reduce energy costs. The chambers provide full temperature control of the internal environment of the rooms for storing goods.

The Cam-Lock modular chamber system is based on panels with a polyurethane foam core connected together using cam locks. The application temperature range is from -50°C to +80°C.

The chamber consists of modules with a width equal to 275 or its multiple, so individual modules can be 275 mm, 550 mm, or 1100 mm wide. The standard height of the chamber cannot exceed 3500 mm.

Depending on the type of chamber, the thickness of the component plates is:

- 80 or 100 mm for cold rooms (temperature range from 0°C to +80°C),
- 100, 120, 150 or 200 mm for freezing chambers (temperature range from -50°C to 0°C).

The necessary tools

The following tools are required to assemble Kingspan modular chambers:

- spirit level
- Allen key - size 10

The chambers should be stored close to the place of their subsequent installation. Before proceeding with the installation, check the contents of the packages with the individual components of the system.

Preparation for assembly of the chamber

Before starting installation, please check the production order and chamber specifications included with each order.

Individual elements of the chamber are connected with each other by appropriate combination of successive, marked and numbered elements in accordance with the indicated direction. The arrow on the label of each element points upwards (on wall elements) and the „in“ direction on ceiling and floor elements.

The locks are closed by turning the hook element using an Allen key until significant resistance is achieved and closing the gaps between subsequent chamber elements.

It is important to connect the individual elements together in the recommended order and to check the vertical/horizontal position of the appropriate mounted elements each time.

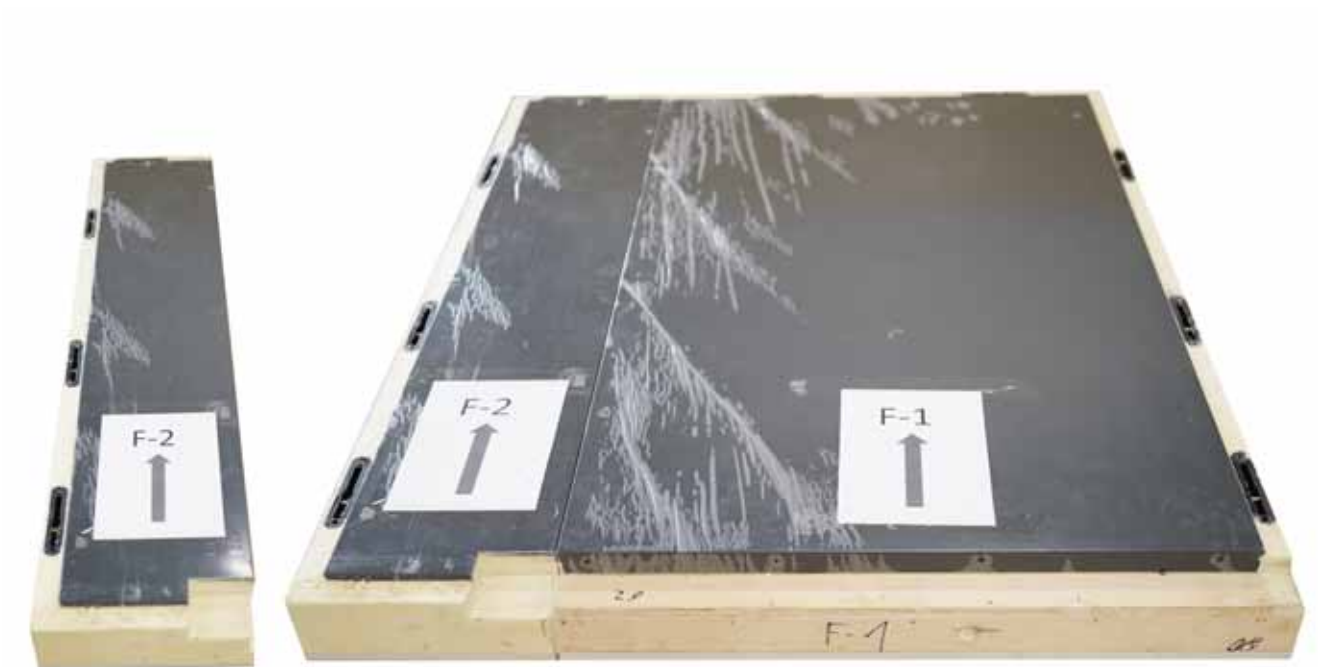
An instructional video showing the process of assembling the chamber is available by scanning this QR code:



1. Before you start assembling the chamber, please check the level of the surface on which you plan to install it.



2. Start installing the floor panels. We recommend checking the level of the folded floor. If there is no level, level the floor.



3. We start the assembly from any side or rear wall. The front wall is assembled last (installation of the first panel of the rear wall).



4. Installation of the next panel - the side wall, tangential to the previously installed element.



5. After assembling the side panels (except for the wall with the door), we assemble the ceiling, which we then assemble, checking at each stage the vertical and horizontal behavior of the individual elements of the chamber.



6. Chamber with pre-assembled side walls and ceiling.



7. After mounting the back wall, side walls and ceiling, check if the chamber is set correctly (vertical and horizontal). If necessary, adjustment is possible in accordance with the recommendations and standards provided by the manufacturer.



8. Depending on the design, the chamber may have corner panels that are installed in exactly the same way as the other elements of the chamber.



9. After checking the correctness of the assembly of all elements, we proceed to the assembly of the frame with the door.



Adjusting the position of the door surface and setting individual door fittings should be made in accordance with the manufacturer's recommendations, depending on the model used and the brand of the selected element.

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 OÜ
Mustamäe tee 55
10621 Tallinn
Tel (+372) 6516661
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»
79060, м. Львів
вул. Наукова, 7В, офіс 113В
email: info@kingspan.ua

To ensure you are viewing the most recent and accurate product information, please scan the QR code:



Scan QR code or click link **here** for the most up to date version of this document.

www.kingspan.com

Although Kingspan makes every effort to provide information contained in this publication were as accurate as possible, correct and complete, please note that its content should not be the basis of the procedure in any particular case. Any advice, opinions, information or other content is published solely based on the principle that neither the company, its employees or representatives, or people who contributed to the arising of this publication, do not assume any liability for its content or any damage caused in connection with this content.

09/2024 (v2)

