

# markus<sup>®</sup>

**Cold Store Sliding Doors**



**INTERDOOR**  
SPECIALIST INDUSTRIAL DOORS

**Freezer**  
**Sliding Doors for temperatures**  
**up to -20°C**

**“Feel the Difference!”**

- Max w x h: 7500mm x 7500mm
- Max Internal Temperature: -20°C
- Max Int /Ext Temperature: +/- 50°C
- Door Thickness: 120 mm
- Operation: Manual or Automatic
- Applications: Industrial freezers,  
cold/chill rooms, drying rooms

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### MK2 Freezer Sliding Doors

The **markus® MK2 Freezer** Sliding Door is one of the most well-known high-performance sliding doors on the market for the freezer / cold room sector and was established in the 1960s. Over the years, the **markus® MK2 Freezer** Sliding Door has been continually developed so that it is able to retain an internal temperature of -20°C with an internal and external temperature variance of +/- 50°C whilst retaining a very impressive aesthetic quality.

Dimensions	
max. width (W)	7500 mm
max. height (H)	7500 mm
max. internal temperature	-20°C
max. internal / external temperature	+/- 50°C
door thickness	120mm
operation	Manual or Automatic

#### Components and Construction

The **markus® MK2 Freezer** Sliding Door is constructed as follows:

##### Door Blade

<b>Construction:</b>	manufactured with interchangeable panels
<b>Insulation:</b>	High pressure injected polyurethane foam 50Kg/m <sup>3</sup> (CFC Free)
<b>Thickness:</b>	Dependant on required temperature: 60mm: +5°C 90mm: 0°C 120mm: -20°C
<b>Finishing:</b>	0.8mm steel sheet lacquered white or PVC coated or in AISI 304 stainless steel
<b>Edge Profiles:</b>	2mm, AISI 304 stainless steel lateral bumpers
<b>Sealing:</b>	Compact EPDM joint profile (double profile for freezers), pressure inserted into rigid PVC support
<b>Hardware:</b>	external lever type opener and internal articulated opener

##### Track

- Extruded aluminium profile with canopy
- Ball bearings of polyamide
- Bearing's support in stainless steel

##### Heating

- Freezer: 40W/m heating tape to 220 VAC
- Blast Freezer: 65W/m heating tape to 220 VAC

##### Frame

- Extruded aluminium profiles thermal bridge free (equipped with double polyamide profile inserts), in two points of the frame
- Aluminium or ABS cap to make sure contact between the frame and the gasket of the door, on the whole frame perimeter
- Aluminium finish or powder coated in RAL colour of choice

##### Bottom Cross Beam

- Cold Store: galvanized iron U60 profile with guiding cams
- Freezer: galvanized iron U60 profile with heating register and guiding cams

##### Colours

The door leaf is finished in white lacquer as standard, but can be finished in PVC, stainless steel and most other colours (RAL).

##### Freezer Performance

The **markus® MK2 Freezer** Sliding Door has been tested and certified by the LGAI Technological Centre (LGAJ): Generated results were:

- Maximum internal temperature: -20°C
- Maximum internal / external temperature: +/- 50°C

##### Control and operation

The **markus® MK2 Freezer** Sliding Door can be operated manually; however, it is usually electrically operated with a control unit with 3 push buttons (open-stop-close) and a control panel that regulates the speed of opening and closing. Given the size of the door, the operation is supplied as standard with "dead man mode".

##### Additional controls that can be connected to the standard control box are:

- pullswitch
- key-operation switch
- radio control

##### Optional Extras\*

- additional controls as described above
- key locking mechanism
- crash bar
- meat rail "slide-way"
- electric drive unit (as described above)

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