

# markus®

**Hygienic Hermetically Sealing Sliding Doors**



**INTERDOOR**  
SPECIALIST INDUSTRIAL DOORS

**Glazed Hygienic**  
**Hermetically Sealing Sliding Doors**  
**for Hospitals and Cleanrooms**

- Max w x h: 3000mm x 3000mm
- Max window size: Full width & height
- Max Air Tightness: 400 Pascal
- Door Thickness: 60 mm
- Operation: Manual or Automatic
- Applications: hospitals, laboratories, cleanrooms

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## Hygienic Hermetically Sealing Sliding Doors

### MK3 Glazed Hygienic

The **markus® MK3 Glazed Hygienic** Hermetically Sealing Sliding Door is one of the most well-known high performance hermetically sealing sliding doors on the market for the healthcare and clean room sectors. Established in the 1960s, the **markus®** range of doors have been continually developed and one of its latest versions is the **markus® MK3 Glazed Hygienic** Hermetically Sealing Sliding Door which is a door that provides a complete hygienic environment whilst retaining a very impressive aesthetic quality and providing total visibility inside and outside of the room.

Dimensions	
max. width (W)	3000 mm
max. height (H)	3000 mm
max. window size	Full
max. air tightness	400 Pascal
door thickness	60mm
operation	Manual or Automatic

#### Components and Construction

The door leaf of the **markus® MK3 Glazed** Hermetically Sealing Sliding Door is fully glazed made with two sheets of 6mm toughened glass. The sheets of glass are framed within flush anodized aluminium profiles.

The door frames are available in either aluminium or stainless steel and the rail system comes with nylon bearings and is covered with either an aluminium or stainless-steel canopy. The track houses special indentations that enable the door to slide in at an angle of 45° giving the perfect seal. The door is sealed with neoprene gaskets fitted around its perimeter and guiding and sealing cams are fitted outside the door opening eliminating the requirement for a floor track. The seals, cams and track enable the door to provide a complete air and smoke tight seal.

#### Materials

The door blade is made of two sheets of 6mm toughened glass and are encased in aluminium or stainless-steel profiles. The frames and track are made of aluminium or stainless steel (as required) and housed within a canopy also made of aluminium or stainless steel (as required).

The seals are made of neoprene and are fitted around the door's perimeter.

#### Colours

The door leaf is fully glazed and can have images or patterns built into the glass if required.

The frames and canopy are available in aluminium or stainless steel and can be powder coated to any RAL colour selected by the customer.

#### Operation

The operation is either manual or is available with an electrical automatic microprocessor control system with a safety photocell and an integrated safety sensor which opens the door in the case of an obstruction.

#### Air tightness

Similar to the **markus® MK1 Hygienic** Hermetically Sealing Sliding Door the air leakage of the **markus® MK3 Glazed** model has been independently tested when the door is fully closed and results up to 400 Pascals of pressure are available.

#### Control and operation

The door can either be operated manually or can be automatically operated by way of a push button on the microprocessor control unit. A radar can be mounted on the canopy if the customer requires the door to open as people approach the door. The door can close either automatically on a timer or by way of push button.

A safety photocell and integrated safety sensor are available for safety.

**Additional activation devices that can be applied to the door are available.**

#### Optional Extras\*

- Additional activation devices
- door interlock control
- images / patterns in the glazed door blades

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