

markus®

Hygienic Hermetically Sealing Sliding Doors



INTERDOOR
SPECIALIST INDUSTRIAL DOORS

Hygienic
Hermetically Sealing Sliding Doors
for Hospitals and Cleanrooms

- Max w x h: 3000mm x 3000mm
- Max window size: 600mm x 600mm
- Max Air Tightness: 400 Pascal
- Door Thickness: 60 mm
- Operation: Manual or Automatic
- Applications: hospitals, laboratories, cleanrooms

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MK1 Hygienic

The **markus® MK1 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 most well-known versions is the **markus® MK1 Hygienic** Hermetically Sealing Sliding Door which is a door that provides a complete hygienic environment whilst retaining a very impressive aesthetic quality.

Dimensions	
max. width (W)	3000 mm
max. height (H)	3000 mm
max. window size	600 x 600 mm
max. air tightness	400 Pascal
door thickness	60mm
operation	Manual or Automatic

Components and Construction

The door leaf of the **markus® MK1 Hygienic** Hermetically Sealing Sliding Door is a continuous panel with an MDF core, encased in a seamless HPL face which is framed within flush anodized aluminium profiles. The HPL can be finished in any colour featured in the *formica* colour range.

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 MDF with an HPL face and is 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 finished in a flush HPL skin which is available in any colour featured on the *formica* colour range.

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

The air leakage of the **markus® MK1 Hygienic** Hermetically Sealing Sliding Door 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*

- lead inlay for radiation protection
- door interlock control
- flush clear vision panels
- flush vision panels with integral blinds, smart glass or laser protection

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