

# MF5 Hermetically Sealed Sliding Hospital Door



## **Applications:**

Operating Theatres  
Aseptic Suites  
Recovery Rooms  
Pharmacies  
Delivery Rooms  
Mortuaries

 **Dortek**<sup>®</sup>  
Hygienic door systems

## MF5 Designed to help control airborne infection

**The MF5 hermetically sealing sliding door has been specifically designed for use in Operating Theatres, Isolation wards, Mortuaries, X-ray and Recovery rooms.** Sliding doors require much less valuable space than hinged doors and when operated produce far less air disturbance as they slice through the air. When closed the unique patented track system allows the door to move down/in under its own weight and in conjunction with a continuous neoprene gasket it seals perfectly against the floor and frame. The efficiency of the seal has been officially tested and results show it to be over 99% effective thus helping to reduce air handling costs, the incidence of wound infections and cross contamination. Furthermore, sound insulation is significantly increased giving quieter conditions for the medical teams and increasing patient comfort.

The door blade is a strong rigid 60mm thick panel finished with hard plastic laminate and framed with flush anodised aluminium profiles giving a flat smooth easy clean surface. Double glazed flush fitted vision panels are available. A continuous neoprene gasket is fitted around the doors perimeter and a stainless steel

lever handle is provided for manual opening. Doors can be single sliding or double leaf bi-parting.

Options include models with 30 minute fire resistant officially tested to NEN 6069 in compliance with EN1634:2001 X-ray and laser protection.

A range of frames to suit particular wall construction and thickness are available in aluminium or stainless steel.

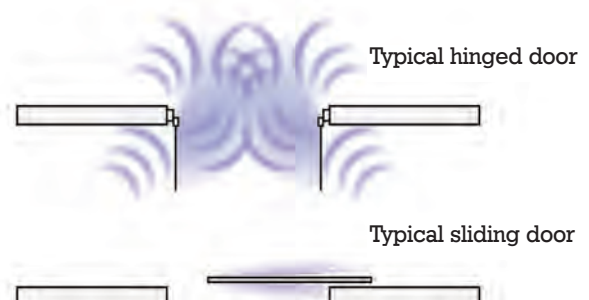
The spread of infection can be further controlled by automating the doors with touchless sensors allowing handsfree operation and the safe reliable SDA -04 electrical operator has many unique features. The intelligent automation senses if an obstruction is present and prevents the door from closing thus eliminating the need for a dirty safety strip leaving the leading edge clean and ledge free.

Additional safety is provided by means of a photo cell fitted across the door opening. The opening and closing speeds, time delay closing and part opening, for pedestrian use are easy to adjust. A self-diagnostic coded system makes fault finding simple reducing expensive down time. Doors can be locked or interlocked to suit individual client requirements.



### Sliding doors versus hinged doors

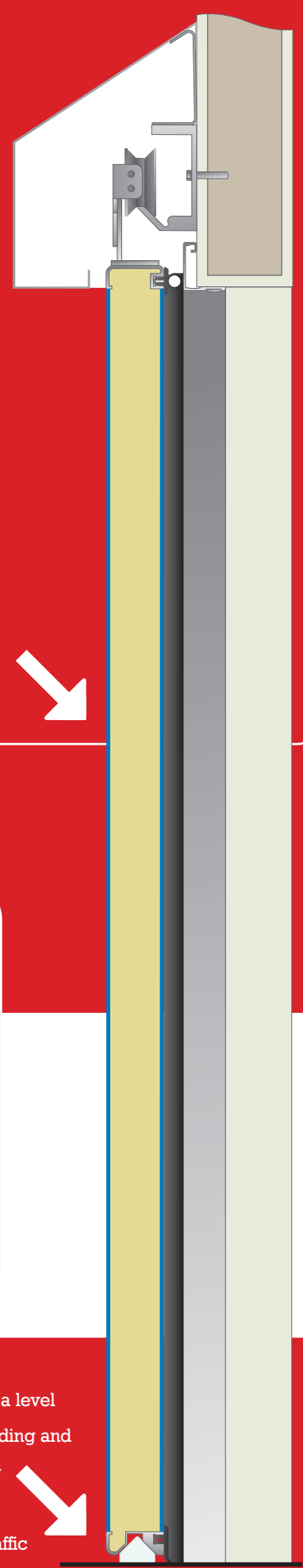
Traditional swing doors create uncontrolled movements of air during opening and closing. This uncontrolled air can accelerate the spread of airborne micro-organisms by air currents and may infect susceptible hosts in operating theatres and isolation wards.





### Patented Track System

The unique patented track system is angled at 45 degrees and special indentations allow the bearings to roll down and in enabling the door using its own weight to seal perfectly against the frame and floor.



### Key Features of Hermetic Door

- Controls air leakage
- Lower air handling costs
- Reduces cross contamination
- Smooth hygienic surface
- Safe reliable, low maintenance
- No floor track required
- Good sound reduction creates quiet working environment

### Automation Features

- Safe reliable operation
- In built safety sensor eliminates the need for a safety edge
- Adjustable opening/closing speeds
- Self diagnostic automation reduces down time
- Hands free operating switches
- Doors can be interlocked to suit clients requirements



Optional touchless sensor and floor kick opener

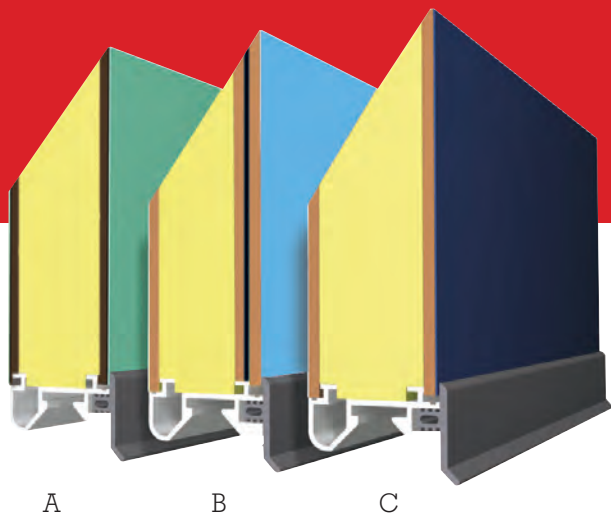
### Floor sealing system

A tough neoprene gasket seals perfectly against a level floor without the need for a raised threshold. Guiding and sealing cams are fitted outside the clear opening eliminating the requirement for a floor track, allowing free unrestricted access for wheeled traffic



# MF5 Options & Specifications

The surface of the door is completely flush and can be offered in the following finishes.



- A. 6.0mm hard plastic solid laminate
- B. Lead inlay for X-ray/Radiation protection
- C. 0.9mm hard plastic laminate on MDF



## Architects Specification

- Door:** Single leaf/Bi parting sliding MF-5 with hermetic seal
- Track:** Aluminium rail system with nylon bearings
- Doorblade:** 48 mm PU core faced both sides with 1 mm hard plastic laminate on 5 mm board / 6 mm hard plastic laminate framed in anodised aluminium profiles
- Colour:** From Formica colour range
- Frame:** Aluminium profile/Stainless Steel to suit wall construction  
Clear opening ..... mm x .....mm
- Handles:** Lever handles both sides
- Window:** ..... mm x .....mm double glazed laminated safety glass
- Sealing:** Rubber 'D' shaped gasket
- Canopy:** White colour coated/stainless/steel sheet
- Operation:** Manual or Electric automation micro processor controlled with safety photo-cell, in built safety sensor and 2 push buttons
- Direction:** Sliding open to the left/right
- Structural opening dimension:** ..... mm x .....mm

Also available with 30 minute fire resistance & X ray Protection.

## Client List

Royal London Hospital  
Kings College Hospital, London  
Mater Hospital, Dublin  
Hinchingbrooke Diagnostic & Treatment Centre,  
Gloucester Royal Infirmary  
Worcester PFI Hospital  
Leicester Royal Infirmary  
West Suffolk Hospital  
Queen Elizabeth Hospital, Kings Lynn  
Scunthorpe General Hospital  
Alder Hey Childrens Hospital, Liverpool  
Ross Hall Hospital, Glasgow

Dumfries General Infirmary  
Princess Alexandra Hospital, Harlow  
BUPA Hospital, Murrayfield  
Royal Marsden Hospital, London  
Walsgrave Hospital  
Pilgrim Hospital, Boston  
RJ & AH Orthopaedic Hospital, Oswestry  
Ahus Hospital, Norway  
Spaarne Hospital, Hootddrop  
St Elisabeth Hospital, Tilburg  
Dekkerswald Lung Clinic, Groesbeek  
Radboud Hospital, Nijmegen



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