



## Dortek Hospital Doors

Hygienic, safe, robust and timber free

### Applications:

- Operating Theatres
- Pharmacies
- X-Ray Theatres
- Recovery Rooms
- Isolation Wards
- High Dependency / ICU
- Accident & Emergency
- Central Sterilisation Areas
- Laboratories

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

**dmf**  
INTERNATIONAL

[www.dmf.com.au](http://www.dmf.com.au)

over  
**45 Years**  
Experience  
in Healthcare Design

## Your trusted partner for hygienic hospital doors

**Dortek are the leading supplier and pioneer of bespoke hygienic GRP door solutions for healthcare. With over 45 years' experience, we have become true experts in this sector.**

Our doors are designed specifically to meet the stringent needs of high hygiene areas within a hospital. Containing no timber or organic materials, our doors prevent bacterial growth and maximise hygiene and cleanability.

We provide complete access solutions which are individually-crafted to meet your specification. This includes key requirements such as impact resistance, fire protection, radiation shielding, sound reduction and air-pressure control.

## Complete access solutions and services from Dortek

- ✓ Full Project Management
- ✓ Design & Planning
- ✓ Customised Solutions
- ✓ Drawings & Scheduling
- ✓ BIM Objects
- ✓ Code & Regulations Compliance
- ✓ Specialist Manufacture
- ✓ Installation, Repairs & Servicing



# Opening doors to cleaner, sustainable healthcare environments

## Hygiene & Infection Control

In most countries, incidences of hospital acquired infections are high and of major concern to healthcare providers. DorteK GRP doors have a fully encapsulated, smooth surface which is free from joints, laminated or layered components which can harbour mould or bacteria.

The inorganic construction and water repellency of DorteK doors provides no sustenance for harmful microorganisms. Our doors have been independently tested by IMSL (Industrial Microbiological Services) for resisting:

- MRSA
- Aspergillus Niger
- Staphylococcus Aureus & E Col Z

## Fire Safety

Fire doors are often the first line of defence in a fire and their correct specification can be the difference between life and death for building occupants.

DorteK's fire doors are designed, tested and certified to meet the most stringent fire certifications. We can achieve a 5 hour fire rating and have attained fire certifications to meet over 50 worldwide standards. Our patented built-in intumescent strip means that our fire doors are ideal for hygienic environments as the strip is not exposed.

## Functionality

Today's hospitals have to comply with strict legislation and endure heavy usage with the minimum of maintenance. DorteK doors are proven to maximise efficiency, safety and hygiene in the most demanding environments. Our products are extremely versatile and offer a wide variety of performance characteristics to suit all healthcare applications. This includes requirements for fire, smoke, acoustics, radiation, water resistance, infection control and durability.

## Access & Efficiency

Safe and convenient access for patients and staff throughout a hospital is essential, especially in high traffic areas. Our range of automatic doors can be integrated with a range of access control systems for smooth, effortless entry.

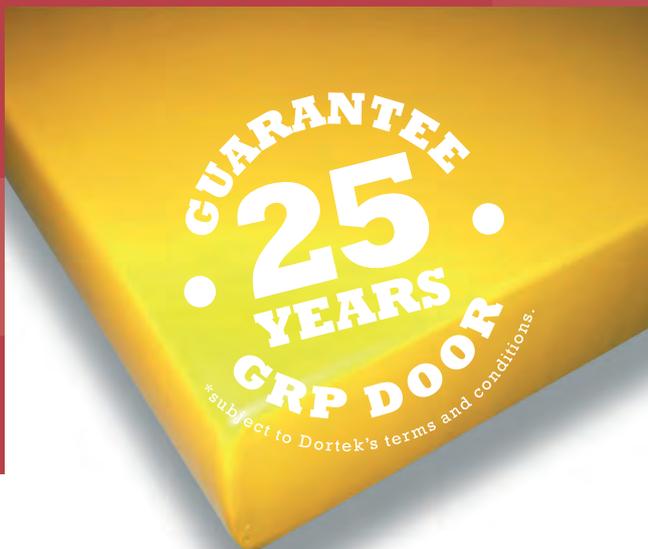
## Durability & Life Cycle

With sustainability at the forefront of the healthcare sector, doors which require frequent servicing or redecoration should always be avoided. DorteK doors are up to 42% lighter than wood or laminate doors. This removes any need for expensive maintenance work or replacement due to excessive wear on hinges and closers. Our GRP doors are exceptionally strong and heavy duty with long lasting built in colour. This gives them the lowest whole life cycle costs.



**DorteK Hermetic Doors**  
save over 20% in clean air costs

**DorteK Sliding Doors**  
save up to 15% (on average) in floor space



- ✓ Bacteria resistant
- ✓ Water resistant
- ✓ Fire resistant
- ✓ Impact resistant

## DorteK GRP Doors

### Engineered for hygiene, strength and longevity

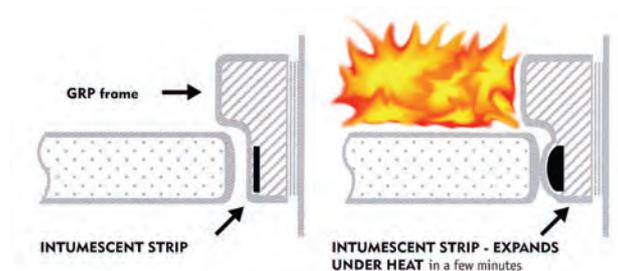
GRP (glass reinforced polyester) is an extremely tough, clean, water resistant material ideal for demanding environments where performance and hygiene are crucial.

Our doors are produced using a unique closed mould process, creating a strong, uniform product with no seams or joins on the door surface.

Unlike alternatives, colour is built into the door during the manufacturing process, ensuring that our doors will never require repainting or refinishing.



- ✓ Fully encapsulated seamless design
- ✓ Free from timber, voids, holes and crevices
- ✓ Easy to clean and disinfect
- ✓ Water, chemical and radiation proof
- ✓ Fire resistant up to 5 hours
- ✓ Strong, lightweight, long lasting
- ✓ Available in a choice of built-in colours



\*DorteK door blades are subject to a 25 year guarantee, assuming normal wear and tear. Conditions and usage must be in accordance with our terms and conditions.

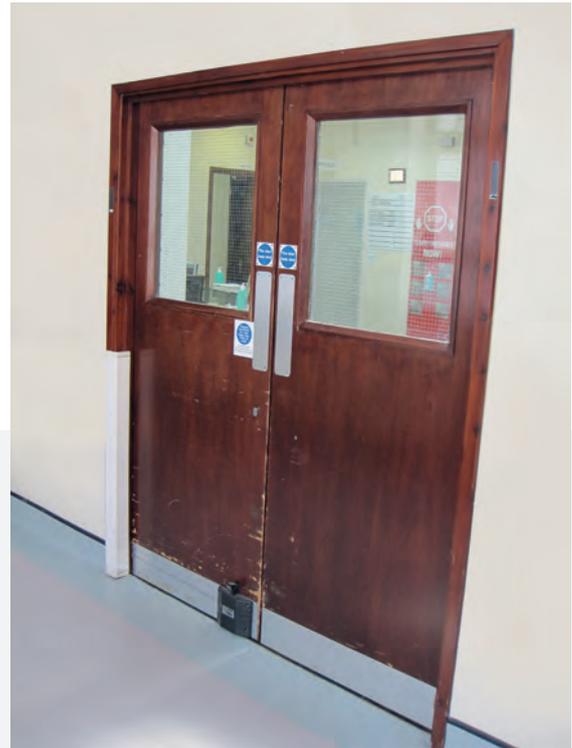
## Dortek GRP Doors



### Why **specify** Dortek GRP

- ✓ **Ultra Hygienic Construction**  
No voids, ledges or troublesome edge lippings
- ✓ **Timber Free Non-organic Core**  
Does not harbour bacteria or moisture
- ✓ **Smooth Non-Porous Surface**  
Easy to clean and disinfect
- ✓ **Excellent Corrosive Resistance**  
Will not rot, rust, swell or corrode
- ✓ **Strong, Lightweight Construction**  
Withstands heavy use without denting or bending
- ✓ **Permanent Built-in Colour**  
Never requires painting or refinishing
- ✓ **Lowest Life Cycle Costs**  
25+ year product life, low maintenance

## Timber / Laminate Doors



### Why **NOT** specify Timber/Laminate

- ✗ **Unsuitable for Hygienic Areas**  
Natural seams, voids and crevices
- ✗ **Organic Timber Core**  
Knocks and chips easily, promotes bacterial growth
- ✗ **Uneven Porous Surface**  
Impossible to keep clean, peels and splinters easily
- ✗ **Low Corrosive Resistance**  
Warp, rots and decays upon exposure to moisture & chemicals
- ✗ **Weaker, Heavier Construction**  
Easily damaged under impact
- ✗ **Painted Surface Colour**  
Requires continuous upkeep
- ✗ **Lower Initial Cost, High Maintenance**  
Short product life in high traffic areas, high maintenance

VS

# Hygiene Critical Areas



## Specifying the correct doors to combat HAIs

Research has shown that 75-90% of all hospital acquired infections are passed on by hand-borne transmission.

Doors can sometimes be an afterthought within the design process, but are in fact an object which is touched most frequently and used by everyone throughout a hospital.

In critical control areas where patients are at an increased risk of infection, choosing the right door can make a significant difference to infection control.



### Zone: Minimal Risk

- Halls
- Offices
- Administrative Areas

### Zone: Average Risk

- Central Sterilisation Areas
- Pharmacies
- Maternity Areas
- MRI

### Zone: Severe Risk

- Operating Theatres
- Transplantation Areas
- Burns Units
- Intensive Care Units
- Delivery Rooms
- Laboratories

### Solution:

- GRP Doors
- Timber Laminate Doors

### Solution

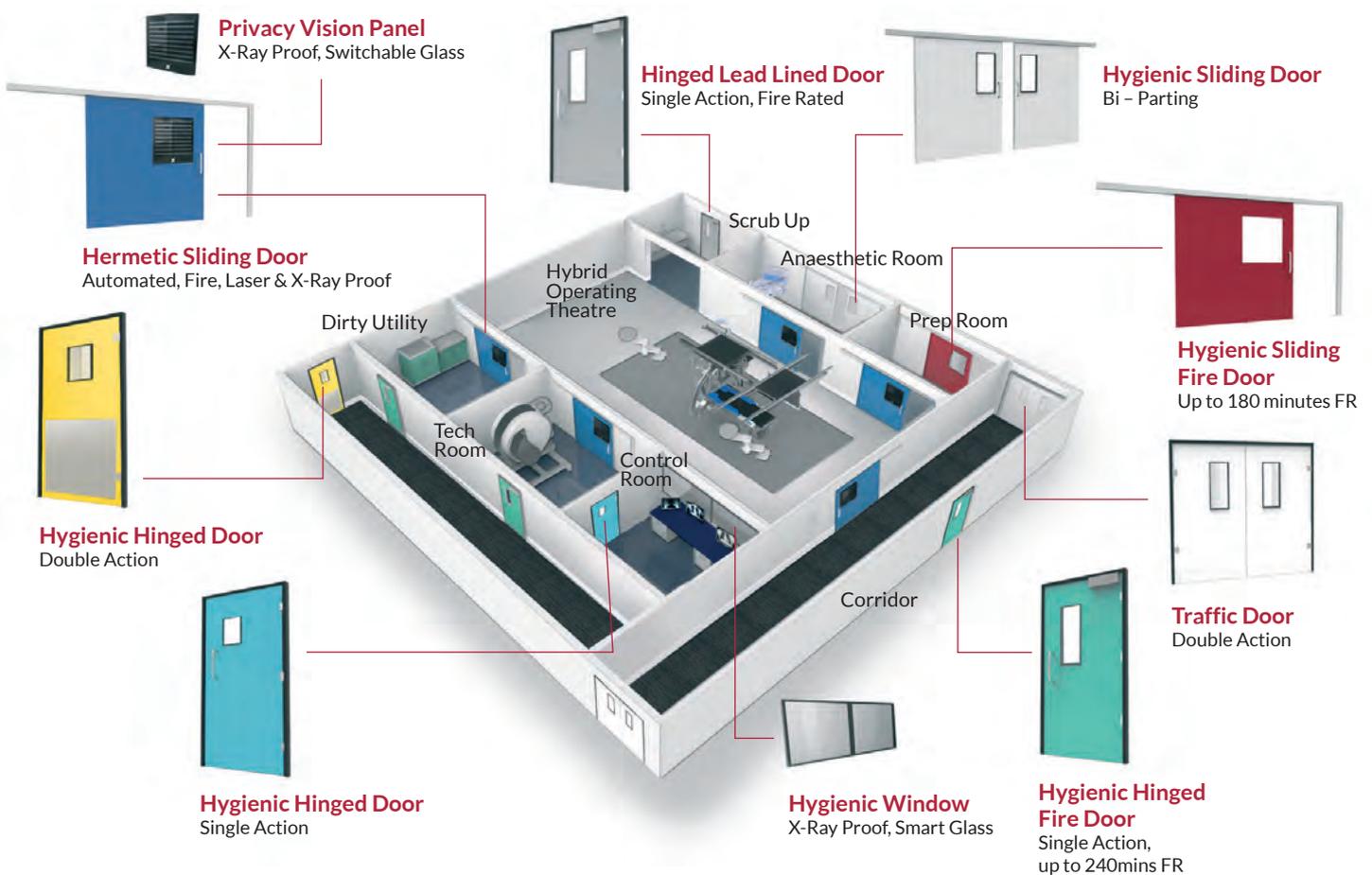
- Timber Free, Fully Encapsulated GRP Doors

### Solution

- Timber Free, Fully Encapsulated GRP Doors

# Innovative solutions for every area of a hospital

## Hybrid Operating Theatres



### What's important in these areas:

- ✓ Hygiene
- ✓ Fire protection
- ✓ Air pressure control
- ✓ Noise reduction
- ✓ Patient privacy
- ✓ X-ray and laser protection
- ✓ Access control for staff equipment and beds

### Dortek's Hermetic Sliding Doors specifically designed for operating theatres

- ✓ Flush anti-bacterial surface
- ✓ Fire rated up to 60 minutes
- ✓ 99% air seal
- ✓ Soundproofing up to 35dB
- ✓ Privacy vision panels
- ✓ Lead and laser protection
- ✓ Fully automated

# A complete range of door solutions for sensitive hospital environments

All Dortek doors can be supplied as complete door systems with the door leaf, frame, hardware, automations and vision panels to provide a fully-integrated system.



## Hygienic Hinged Doors

Our hinged doors are ideally suited to areas requiring maximum hygiene, cleanability and durability. They are extremely strong and durable, yet light and easy to operate. Available as singles or pairs, single swing or double swing.



## Hygienic Sliding Doors

Our sliding doors are available in a range of configurations to suit the functional needs of any application. From single and bi-parting doors to fire, sound or x-ray proof doors.



## Hygienic Fire Doors

Tested for up to 5 hours fire resistance to global standards, our fire doors combine safety without compromising the high standard of hygiene demanded in healthcare facilities.

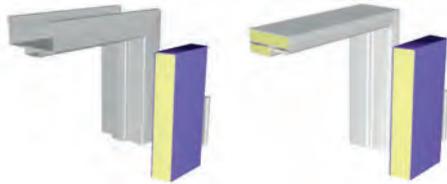


## Hermetic Sealing Sliding Doors

These doors are essential for areas where control of air leakage is essential. The unique, patented track system has a 99% air tight seal helping to reduce cross contamination and expensive air handling costs. Doors are available in glass or with fire, sound and x-ray proof options.

### Frame Options

- GRP frame
- Fire rated GRP frame with patented concealed intumescent strip
- Various stainless steel frames
- Aluminium wrap-around frame for wall panel



### Product Selection

Dortek hygienic doors are designed with safety, style and functionality in mind. Our doors are available in a range of standard or custom sizes, colours and configurations to suit your environment.

### Installation & Servicing

All installations and service calls are carried out by our own fully trained engineers. Please contact us to find out more about our range of service contracts.



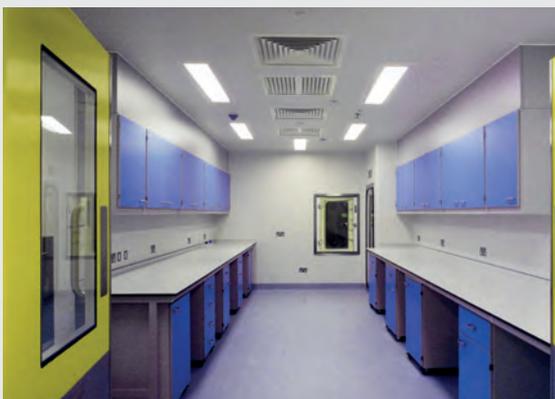
### Lead Lined Doors

Our lead lined doors can be supplied in a wide variety of styles and specifications to meet resistance to the passage of x-rays in accordance with international codes and standards.



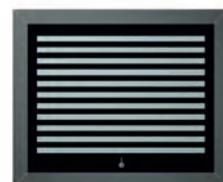
### Glass Doors

Our glass doors are ideal for maximising visibility for functional use in critical areas of a hospital. Choose from sliding, telescopic, swing, hermetic sealing and touchless options to suit your application and needs.



### Automated Doors

Automations are an essential part in fighting the spread of hospital infections by eliminating the need to touch doors. Our range of doors can be automated with safe, reliable operations activated by infra red or touch less sensors.



### Windows & Vision Panels

Dortek windows are double glazed with an ultra clean flush surface. Dortek vision panels can be integrated with our doors to offer enhanced privacy while lowering infection risk and eliminating cleaning costs. Our windows and vision panels can be offered with smartglass, lead, fire and laser protection.

Design  
Manufacture  
Installation  
Service



Supplying **all over** the world



New York Presbyterian Hospital, USA



The Royal National Orthopaedic Hospital, UK



Dublin National Maternity Hospital, Ireland



Ng Teng Fong General Hospital, Singapore



Hamad General Hospital, Qatar



Centre Hospitalier Universitaire, La Reunion, France

A selection of **Dortek** projects

CHU Hospital	Martinique	Hamad General Hospital	Qatar	National Heart Centre	Singapore
Cardiff University Hospital	Wales	GPHA Hospital	Ghana	Guy's and St Thomas' Hospital	UK
American Heart Institute	Cyprus	Prince of Wales Private Hospital	Australia	Healthpoint Hospital	Abu Dhabi
Royal Victoria Hospital	Belfast	Riga East University Hospital	Latvia	Kristiansand Hospital	Norway
Hvidovre Hospital	Denmark	Royal Liverpool University Hospital	UK	National University Hospital	Singapore

Automated Doors ICU Doors Fire Doors FRP Doors Glass Doors GRP Doors Hermetic Doors Hygienic Doors Lead Lined Doors Sliding Doors Traffic Doors Transfer Hatches Waterproof Doors Windows X-ray Doors

**Dortek, UK**

St Mark Street  
Hull, HU8 7ED  
England  
Tel: +44 (0) 1482 226848  
Fax: +44 (0) 1482 226843  
Email: info@dortek.com

**Dortek, Singapore**

Dortek Hygienic Door Systems Pte Ltd  
627A Aljunied Road  
BizTech Centre 04-06  
Singapore  
389842  
Tel: +65 67411787  
Email: info@dortek.com

**Dortek, Ireland**

North Quay, Wicklow Town  
County Wicklow, A67 HE26  
Ireland  
Tel: +353 (0) 404 67101  
Fax: +353 (0) 404 67012  
Email: ireland@dortek.com

**Dortek, Malaysia**

Dortek Sdn Bhd  
No 5 Jalan Desa Tropika 1/3  
Taman Perindustrian Tropika  
81800 Ulu Tiram  
Johor  
Malaysia  
Tel: +60 7861 6233  
Email: info@dortek.com

**Dortek, USA**

One Boston Place  
Suite 2600  
Boston  
MA 02108  
Tel: +1 617 401 8226  
Email: us-sales@dortek.com

**Dortek, New Zealand**

2C, 40 Charlotte Street  
Eden Terrace  
Auckland 1022  
New Zealand  
Tel: +64 220722091  
Email: info@dortek.com



DMF INTERNATIONAL PTY LTD  
PO BOX 12 PENDLE HILL NSW 2145  
SYDNEY AUSTRALIA  
PH (02)96365466 FAX (02)96881531  
www.dmf.com.au