

PRODUCT SHOWCASE

# At the forefront of anti-ligature & anti-barricade design





## Your Partner in Patient Safety

At Kingsway Group, we exist to push limits, challenge thinking, and drive innovation to move design in mental health environments to the next level.

By aligning our thinking and actions at every step with three core values of ensuring Happy Customers, Perfect Products, and a Winning Team, we have helped over 85% of NHS Trusts reduce risk and improve patient safety within their facilities, successfully delivering over 2,300 risk-reducing projects across the UK.

### The experts in innovative anti-ligature and anti-barricade design

By continuously innovating at the forefront of anti-ligature and anti-barricade design, we are committed to supporting clinical teams in delivering the highest degree of care possible within mental health facilities and other challenging environments. Our user-centered approach to design considers staff and service users at every stage, allowing us to offer bespoke solutions that improve safety and reduce risk for any area within a mental health facility.

As your partner in patient safety, we offer the widest range of Complete Door Systems available for mental health and challenging environments, designed through ongoing research and collaboration with our NHS Trust partners and people with lived experience.

### Improving safety in mental health

From the introduction of the world's only hinge-side anti-barricade door system, to the UK's first full door edge ligature alarm system, our history is dotted with innovative creations designed to reduce risk and improve safety within mental health environments.

At the heart of Kingsway Group, our Winning Team of over 100 highly skilled individuals are dedicated to ensuring our service and products exceed expectations and bring real world benefits to staff and service users throughout mental healthcare.

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# Our Service

At Kingsway Group, we are committed to providing our partners with the best service and results possible through exacting standards to achieve excellence in patient safety. To ensure this, we listen to our partners' very specific needs and draw on our considerable experience to deliver solutions that exceed their expectations.



## Ensuring a smooth process at every step

*"The level of engagement from Kingsway has been excellent, with a collaborative approach to working with the key stakeholders within clinical and non-clinical teams to provide a structured approach to problem solving, client liaison, communication and after sales care that is considered to be exemplary."*

- Lesley Anne Davison, Lancashire and South Cumbria NHS Foundation Trust.

## Our Guarantee

To reinforce our commitment to providing our partners with the best service available, we are proud to offer a 5-year guarantee at no extra cost on all our products – with the exception of our Duralux Vision Panels which come with a life-time guarantee.

## NPS Partner Feedback

In 2022, we launched our Net Promoter Score (NPS) to capture partner feedback following every completed project, helping us drive continuous improvements. Since then, we've captured feedback covering the quality of our service and products from initial consultation to installation in over 100 completed projects, resulting in an NPS of +91 with our partners being either 'likely' or 'very likely' to recommend Kingsway Group.

## Certificated Fire Door Manufacturers and Installers

Designed to prevent the spread of fire and smoke whilst protecting escape routes, fire doors are a life safety product and must be fire tested under controlled conditions before being legally placed onto the market. Once tested, they must be installed in the same configuration as that tested or the approved extended scope.

As holders of BM Trada Q-Mark certification, we ensure every Complete Door System is rigorously tested to either FD30 or FD60 standards, whilst BM Trada also audit us both by inspection and testing of our products to ensure continued compliance with the required standards.

With both the Building Regulations and the Regulatory Reform (Fire Safety) Order requiring the person manufacturing and installing fire doors to be competent, our certification under the Q-Mark scheme gives building owners, specifiers, and the responsible persons confidence that the integrity of their fire compartment lines are being maintained, with documented evidence to demonstrate this.





## Our Net Zero Goals

At Kingsway Group, we are committed to further reducing the impact of our life-safety products and processes on the environment.

We are proud to be collaborating with our supply chain with an aspiration of matching the NHS' targeted net zero emissions by 2040, recognising that sustainability is not only a responsibility but a shared goal of every key manufacturer and partner of the NHS.

We believe that by aligning our processes with the goals of the NHS, we can reduce our carbon footprint and help contribute to a more sustainable future to stay at the forefront of environmental wellbeing.

### Our Headquarters and Production Facility

We are constantly seeking new and innovative ways to reduce our impact on the environment whilst still delivering high-quality products and services for our partners. The move to Helix, our new purpose-built 32,000ft<sup>2</sup> UK Headquarters and Production Facility, is helping us to achieve our net zero goals.

As an A-rated energy efficient building, Helix helps us to achieve our net zero emissions goals whilst bringing with it an array of new possibilities and a renewed commitment to advancing design for mental health environments.

Helix will see our production capacity increase by 300%, in turn, reducing delivery times for our partners and allowing for further optimising of our manufacturing processes to reduce emissions. The increased space at Helix will allow for greater innovation with a state-of-the-art Product Development centre and a dedicated Software Development facility for KOSMOS to ensure more of our partners can introduce the Smart Monitoring System into their risk management strategy. Helix will also be the home of our Experience Centre, a space where we can workshop and innovate new solutions with subject matter experts.

CASE STUDY

# Trinity Building at Springfield University Hospital, London

"From spacious, bright new wards to award-winning garden courtyards and vibrant artworks throughout, this building has been designed to break stigma and provide healing spaces where patients receive high quality care, treatment and recovery, and where our teams are proud to work." - Vanessa Ford, Chief Executive of South West London and St George's Mental Health Trust.

Kingsway Group were proud to provide our risk reducing solutions to a project with collaboration at its core, resulting in a therapeutic and modern facility serving nearly 500 service users and staff. To meet the wide project requirements, our SWITCH, SECLUSION, SOLO and STOW Complete Door Systems were selected for use throughout the Trinity Building.



SOLO Door System for communal areas

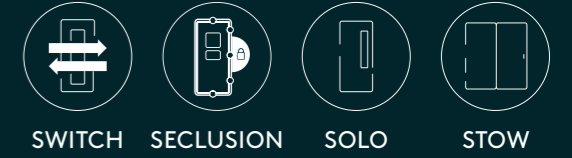


Anti-Barricade SWITCH Door Systems for bedrooms



Various finishes for the SWITCH Door Systems

## Door Systems Provided



# How We Work

We strive to provide meaningful support to our partners that goes beyond the products we offer. Through our years of experience working with NHS Trusts and private partners, our expert team have developed an in-depth knowledge of the challenges faced within mental health environments and are prepared to go beyond expectations to ensure the unique requirements of your project are wholly understood and met.

Through our project philosophy of 'Define, Design and Deliver', we offer expert guidance whilst engaging and consulting with key project stakeholders throughout the process to ensure the best risk-reducing solutions are delivered.

From large complex new builds to refurbishment projects, our proven 3-step process is one of the reasons so many partners have trusted Kingsway Group to deliver complete door projects in their specialist environments.

## Define

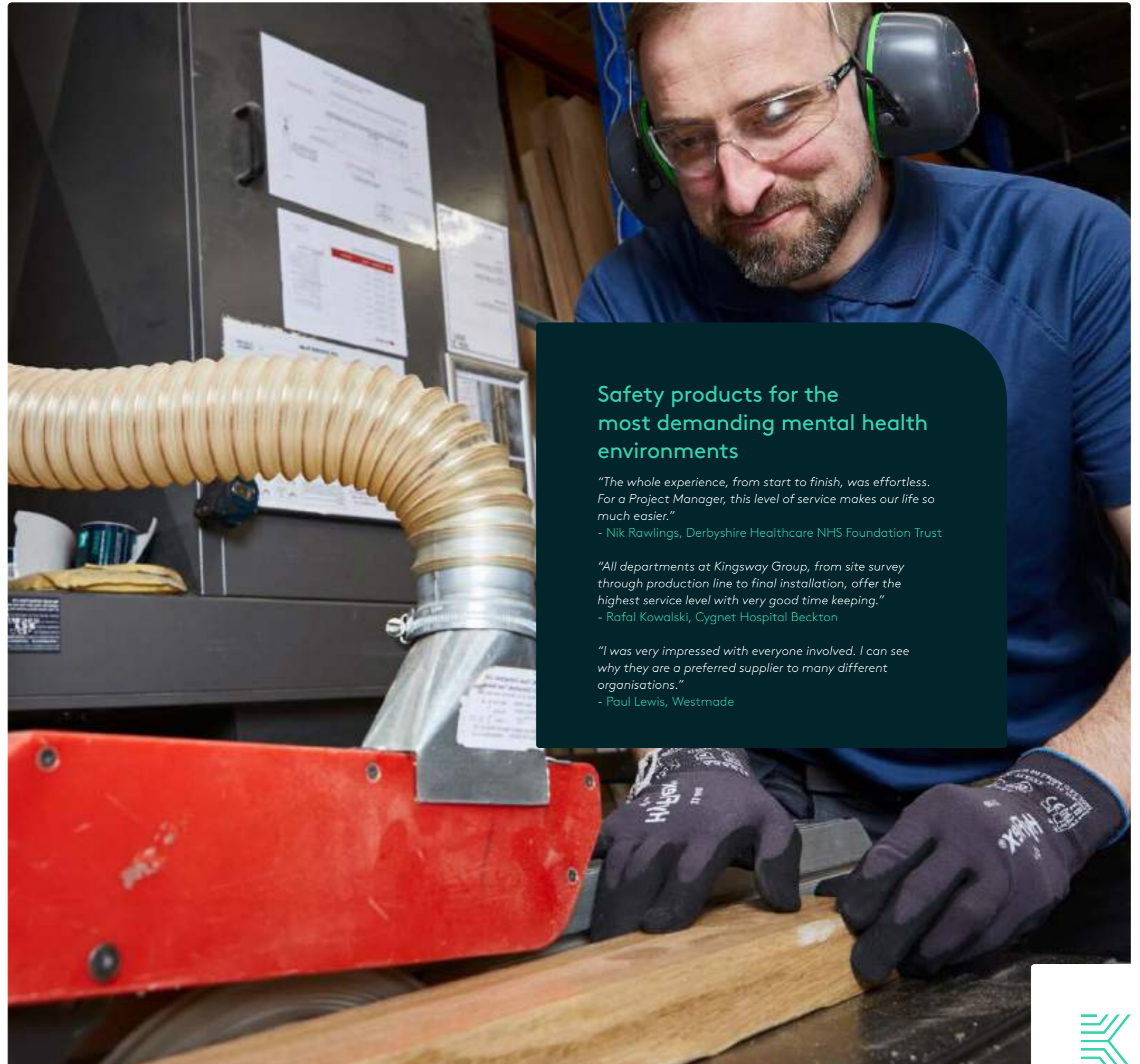
On making an enquiry with us, a Kingsway Group Project Consultant will work with you to understand and define the key objectives of your project. Your Project Consultant will provide advice and support on product selection based on our years of experience of supporting challenging environments and different service user groups.

## Design

Your project begins to come to life as we work with all the key stakeholders to ensure a joined-up design. If the project requirements have changed, we are flexible to developing the perfect solution.

## Deliver

This is where we make it happen. Your bespoke solutions are manufactured in our state-of-the-art production facility to our exacting standards, ensuring strict project scheduling for on-time delivery.



### Safety products for the most demanding mental health environments

*"The whole experience, from start to finish, was effortless. For a Project Manager, this level of service makes our life so much easier."*

- Nik Rawlings, Derbyshire Healthcare NHS Foundation Trust

*"All departments at Kingsway Group, from site survey through production line to final installation, offer the highest service level with very good time keeping."*

- Rafal Kowalski, Cygnet Hospital Beckton

*"I was very impressed with everyone involved. I can see why they are a preferred supplier to many different organisations."*

- Paul Lewis, Westmade





## Extensive testing

At Kingsway Group, each product we design is put through extensive testing to ensure it meets and exceeds the expectations and requirements for use within the most challenging environments. Through a combination of independent testing and our own, we ensure our products are fit-for-purpose in order to reduce risk and improve safety for both staff and service users wherever they are used.

### Ligature testing

Our Anti-Ligature Hardware products have been rigorously tested in line with the Door & Hardware Federation's TS001:2013 (Enhanced Requirements & Test Methods For Anti-Ligature Hardware). This specialist test assesses a product's ability to resist ligature attachment from all angles using various materials down to fine wire of 0.5mm thickness. Our Anti-Ligature Hardware products have achieved the highest grade of ligature resistance - A4.

### Physical testing

For assurance of performance and robustness, our products are subjected to extensive cycle, attack resistance, and fire testing and are provided with supporting documentation to ensure a successful project, including BM Trada Q-Mark Fire Door Certification. Our Complete Door Systems are also tested to the Department of Health's recommended testing standards for Medium Secure Units.

### Trident Attack Resistant Glazing

Our Trident Attack Resistant Glazing used across our range of high-strength Vision Panels has been independently tested for robustness and has achieved certification to EN 356 for physical attack resistance. The strenuous testing carried out in a specialist laboratory in Belgium simulates intense impacts by dropping steel balls from height directly onto the glazing.

### Individual testing

To further assure our partners of the suitability of our solutions, we can provide products and systems to our partners to test first-hand within their facilities, ensuring compatibility with the unique characteristics and requirements of a given facility. For more info on our testing and certifications, visit:

[www.kingswaygroupglobal.com/certifications](http://www.kingswaygroupglobal.com/certifications)



# Approved Installers

When it comes to installation, it's important you have the right team on hand to ensure things are fitted correctly the first time. Our specialist team of BM Trada Q-Mark certificated installers possess considerable experience and are sensitive to the ever-changing complexities of new-build projects, refurbishments, and live settings, ensuring reduced snagging time for a smooth installation and handover.



## SafeCheck maintenance service

Through our experience gained in delivering over 2,300 completed projects for the most challenging mental health environments, we have developed an extensive expertise in fire door safety and ligature reduction best practices.

With the challenges presented in mental health facilities, it is vital that your products continue to perform to the high standards they are designed to meet. Our SafeCheck maintenance service is designed to provide you with ongoing confidence in the continuity of quality and end-to-end compliance of your Complete Door Systems, Vision Panels and Door Hardware.

The Code of Practice for Fire Door Assemblies BS 8214:2008 recommends that door leaves and frames are checked at six-monthly intervals for superficial damage, structural damage and excessive bowing or deformation. There are then the additional ligature risks arising from damaged or defective hardware to consider, along with the operationality of critical components such as the anti-barricade devices or the door ligature monitor if one is present.

With SafeCheck, an employee of Kingsway Group certificated to the BM Trada Q-Mark Maintenance Scheme will visit your facility bi-annually, undertaking an extensive 22-point inspection of your products to ensure optimal performance, compliance, and, where necessary, highlight any issues that need to be addressed.

A full written report will be provided on a door-by-door basis, detailing any required action and grading the doors into three categories:

**Pass:** No action required

**Minor non-conformance:** Some action required

**Major non-conformance:** Urgent action required

By having the SafeCheck service in place to address both fire safety and ligature risk in one combined inspection, you can demonstrate your duty of care and ensure that life safety risks are minimised and managed effectively.

CASE STUDY

# Kimmeridge Court Eating Disorder Unit at St Ann's Hospital, Dorset

A range of Kingsway Group solutions were selected to reduce risk within the 10-bed Kimmeridge Court Eating Disorder Unit in Dorset. SWING Anti-Barricade Complete Door Systems were selected for the service user bedrooms with Door Top Monitor Alarms and Duralux Secure Vision Panels to help maximise both patient safety and the ability of staff to respond promptly to ligature or barricading incidents.

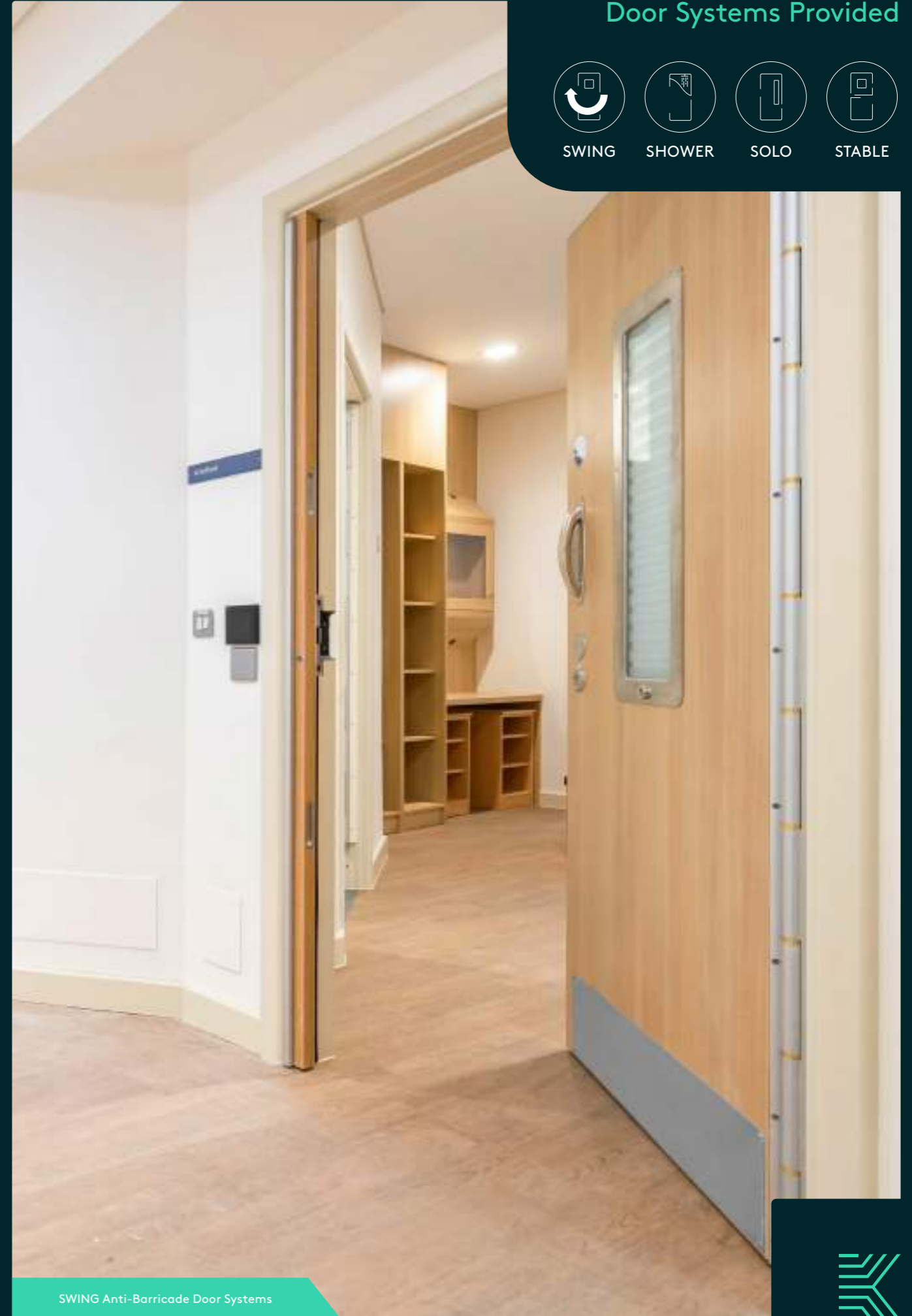
Kingsway Group and Dorset HealthCare University NHS Foundation Trust carefully considered service user interaction with the communal kitchen facilities before selecting SWING for the kitchen entrance. Fitted with an Oblong Pyrolux Vision Panel and Free Swing Anti-Ligature Closer, this solution offered a safe means for independent use of the kitchen whilst providing staff with optimal observation and the ability to quickly overcome any potential barricading incidents.



SHOWER Door System



SWING & SHOWER doors used for bedrooms



SWING Anti-Barricade Door Systems

## Door Systems Provided



SWING



SHOWER



SOLO



STABLE

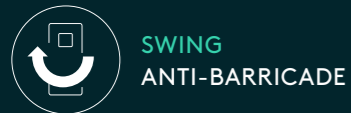


IMPROVING SAFETY & REDUCING RISK

# COMPLETE DOOR SYSTEMS

We offer the widest range of Anti-Ligature and Anti-Barricade Complete Door Systems available for mental health environments to ensure the correct solution can be found for anywhere within your mental health facility.

All nine of our Complete Door Systems are designed with both the staff and service user in mind to improve safety and reduce risk, arriving on site as a complete pre-hung door system – pre-fitted with all hardware and components, pre-tested, and pre-certificated for smooth installation and assured performance.



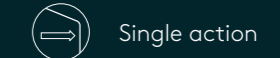
KEY TO FEATURES:



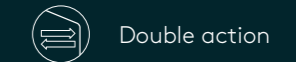
Fire Rated FD30



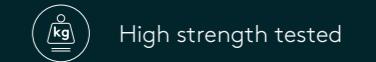
Fire Rated FD60



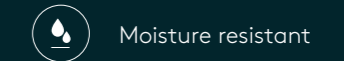
Single action



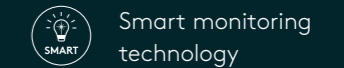
Double action



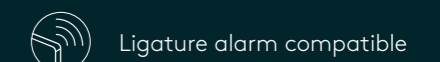
High strength tested



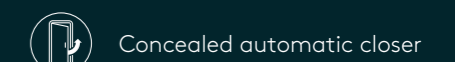
Moisture resistant



Smart monitoring technology



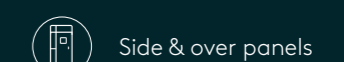
Ligature alarm compatible



Concealed automatic closer



Signature finish



Side & over panels



FULL DOOR EDGE ALARM

# SENTRY

The most versatile alarmed door solution available for mental health facilities.

The SENTRY Full Door Edge Ligature Alarm System maximises the risk-reducing capabilities of our leading Anti-Ligature and Anti-Barricade Complete Door Systems by alerting clinical teams to life-threatening incidents when a ligature attempt takes place against any of the door edges. Available in SWING, SWITCH, STOW and SOLO specifications to ensure the correct solution can be found for your mental health facility.

Hardwired and ligature resistant by design, SENTRY provides the robustness and reliability demanded for an assistive clinical product within a life-critical system and features specifically designed hardware, such as the KG187 Doorstop.



## Innovative Features of SENTRY



### Easy installation and fire-safety compliant

With no need for any modification of the existing floor construction, SENTRY is ideal for both new build and refurbishment projects, arriving on site factory-fitted, tested, pre-hung, and certificated by the BM Trada Q-Mark for full fire-safety compliance.



### Unique detection and seamless integration

Unique to SENTRY, ligatures are detected when the door is both open and closed, triggering an alarm when a weight of 7kg is applied to any of the door edges. SENTRY integrates with all major legacy staff attack and nurse call systems, as well as Kingsway's next-generation KOSMOS Smart Monitoring System.



### Anti-Barricade capabilities

Both our SWITCH and SWING specifications of SENTRY provide staff with a controlled, fast, and safe means for overcoming barricading incidents, saving invaluable seconds for clinical teams and service users in life-threatening situations.



The most versatile alarmed door solution available for mental health facilities, supporting clinical teams in improving the safety of those in their care.



## Technical Specifications

### Door Core Specification:

44mm or 54mm solid tri-laminated hardwood core

### Available Finishes:

See page 44 for finishes and colour options

### Fire and Smoke Rating:

FD30S to BS476 part 22 under BM Trada Q-Mark 3rd party certification. Smoke rated to BS EN 1634-3: 2004 section 10.1.1

### Endurance Testing:

Tested to recommended Department of Health Medium Secure Unit testing standards, see page 14 for more details on our testing standards

### Lippings for Veneer & Laminate Facings:

Hardwood 10mm to all four sides concealed or exposed

### Door Types Available:

SWING, SWITCH, STOW, and SOLO






### Vision Panel Options:

Duralux, Visilux or Pyrolux Ranges, see page 52 for more details. For Vision Panel layouts, see page 62

### Maximum Leaf Dimensions:

1200mm (w) x 2100mm (h)

## Featured Finishes

-  Chrome Yellow - F 1485
-  Thistle - F 7880
-  Opal - F 2966
-  Clementine - F 2962
-  Sandstone - F 2833

Please see page 44 for our full range of finishes.



## ANTI-BARRICADE

# SWITCH

SWITCH is the world's first and only hinge-side anti-barricade door system, designed for fast, controlled, and safe overcoming of barricading incidents by keeping staff in the 'Green Zone'.

Anti-ligature by design, its unique SwitchHinge mechanism allows staff to open the door outwards to overcome barricading and wedging incidents in less than 2 seconds with no override tool kits required – even with the door lock bolt extended or tampered with, saving critical seconds for staff and service users during emergency situations.



## Innovative Features of SWITCH



### 'Green Zone' operation

SWITCH puts staff in the safe 'Green Zone'; the point at which the opening door is at its lowest speed. This unique feature to SWITCH allows staff to remain in control of the opening door when overcoming a barricade with the door acting as an additional layer of protection between staff and service user where necessary.



### Secure SwitchHinge Lock

The heavy-duty SwitchHinge lock secures the hinge parts for single-action use during normal operation and provides double-action use when unlocked to overcome barricades. The lock indicator clearly shows the status of the SwitchHinge lock.



### Robust Rebated Door Frame

The door frame's solid rebated profile on the closing side increases strength and provides a non-institutional look.



SWITCH puts staff in the safest place when attending a barricade situation - no need for secondary override tool kits.

## Technical Specifications

### Door Core Specification:

44mm or 54mm solid tri-laminated hardwood core

### Fire and Smoke Rating:

FD30S to BS476 part 22 under BM Trada Q-Mark 3rd party certification. Smoke rated to BS EN 1634-3: 2004 section 10.1.1

### Lippings for Veneer & Laminate Facings:

Hardwood 10mm to all four sides concealed or exposed

### Vision Panel Options:

Duralux, Visilux or Pyrolux Ranges, see page 52 for more details. For Vision Panel layouts, see page 62

### Available Finishes:

See page 44 for finishes and colour options

### Endurance Testing:

Tested to recommended Department of Health Medium Secure Unit testing standards, see page 14 for more details on our testing standards

### Door Types Available:

Single Door, Leaf and a Half

### Maximum Leaf Dimensions:

1200mm (w) x 2100mm (h)

## Featured Finishes

-  Heather - F 0233
-  Spectrum Yellow - F 7940
-  Lime - F 4177
-  Seringa - F 2273
-  Orchid - F 5346

Please see page 44 for our full range of finishes.



## ANTI-BARRICADE

# SWING

With its innovative SwingThru Strike Plate and double-action continuous SwingHinge, the SWING Anti-Barricade Complete Door System provides quick access for staff in emergency situations, opening outwards in under 2 seconds with no need to retract the lock bolt.

Manufactured to our own exacting standards, SWING offers a versatile, safe, and durable anti-barricade solution with all the robustness of Kingsway's proven-to-perform tri-laminate core doors. SWING is available in single leaf or leaf and a half configurations for wide access, ensuring the correct solution can be found for your mental health facility.



SWING allows for fast overcoming of barricades in under 2 seconds.



## Technical Specifications

### Door Core Specification:

44mm or 54mm solid tri-laminated hardwood core

### Fire and Smoke Rating:

FD30S to BS476 part 22 under BM Trada Q-Mark 3rd party certification. Smoke rated to BS EN 1634-3: 2004 section 10.1.1

### Lippings for Veneer & Laminate Facings:

Hardwood 10mm to all four sides concealed or exposed

### Vision Panel Options:

Duralux, Visilux or Pyrolux Ranges, see page 52 for more details. For Vision Panel layouts, see page 62

### Available Finishes:

See page 44 for finishes and colour options

### Endurance Testing:

Tested to recommended Department of Health Medium Secure Unit testing standards, see page 14 for more details on our testing standards






### Door Types Available:

Single Door, Leaf and a Half

### Maximum Leaf Dimensions:

1200mm (w) x 2100mm (h)

## Featured Finishes

-  Capri - F 1326
-  Terracotta - F 4161
-  Azur - K 1019
-  Energy - F 5348
-  Pale Gold - F 7882

Please see page 44 for our full range of finishes.

## Innovative Features of SWING



### Robust continuous hinge

The patented double-action continuous SwingHinge provides additional strength and allows the door to open both inwards and outwards.



### Fast overcoming of barricades

The SwingStop provides normal operation when locked and allows the door to open outwards when unlocked. The SwingStop is controlled by a single point for fast access in emergencies using the Staff Key, with three internal locking points for additional strength.



### SwingThru Strike Plate

The SwingThru Strike Plate ensures the door can swiftly open outwards even when the lock bolt is in the locked position - no need for secondary override tool kits.



# SHOWER

Our latest Complete Door System, SHOWER is an entirely new product designed from the ground up to deliver a robust anti-ligature solution for service user en-suite showers.

SHOWER offers unrivalled customisation possibilities to contribute to the healing environment and delivers a highly durable and effective solution to reduce ligature risk thanks to its revolutionary MegaHinge. Manufactured from a combination of high-quality stainless steel, powder coated aluminium, and aerospace grade ABS components, the SHOWER Complete Door System is carefully designed for use in wet environments to resist corrosion and minimise the effects of moisture with no oil-bearings.



## Innovative Features of SHOWER



### Reduced ligature risk

SHOWER's innovative MegaHinge keeps the potential for entrapment points to a minimum and reduces the risk of ligature attachment through careful design, helping improve patient safety within one of the most high-risk areas of a mental health facility.



### Limitless customisation

The anti-ligature panel is manufactured from fire-retardant, aerospace grade ABS and delivers a highly durable, shatter proof, and impact resistant solution that can be finished with bespoke imagery or a range of colours across the entirety of the leaf. Kingsway Group Anti-Ligature Handles can be fitted to improve usability whilst retaining safety.



### Easy cleaning and maintenance

Through simplistic yet innovative design, SHOWER's MegaHinge mechanism resists corrosion and allows for extremely easy maintenance and cleaning, whilst the smooth ABS panel offers an easy-to-clean and hygienic solution.



SHOWER offers a robust and durable anti-ligature solution for retaining service user privacy.

## Technical Specifications

### Door Core Specification:

Aerospace grade ABS

### Available Finishes:

Bespoke imagery available. See page 44 for finishes and colour options

### Door Types Available:

Single leaf and Double leaf


### Endurance Testing:

Tested to recommended Department of Health Medium Secure Unit testing standards, see page 14 for more details on our testing standards


### Maximum Leaf Dimensions:


900mm (W) x 1680mm (H)

## Featured Finishes

 Tenere  
- F 1803

 Lilac  
- F 2582

 Bermuda  
- F 2478

 Ocean Grey  
- F 7853

 Grotto  
- F 7846

Please see page 44 for our full range of finishes.



# SECLUSION

The SECLUSION Complete Door System provides our most robust solution for areas where service users are required to be isolated in a safe environment. SECLUSION is flush to the inside for patient safety whilst staff can rely on the high strength 5-point locking system for unrivalled security.

SECLUSION's Secure Tray Hatch and Duralux Secure Vision Panel serve the most challenging environments by allowing staff to observe and provide the required care to service users without needing to open the door.



## Innovative Features of SECLUSION



### High-strength with slam lock

The SureLock McGill 5-point lock gives the SECLUSION door system unrivalled locking-strength. Staff can rely on the slam lock feature to quickly secure the door before deadlocking for complete security.



### Safe observation

The Duralux Secure Vision Panel on SECLUSION allows for safe observation by staff. The high-strength panel is completely flush to the patient side with no visible fixings.



### Durable and secure

A unique threshold strip provides a secure anchor point for the SureLock McGill 5-point lock whilst a full frame strike-plate offers improved durability.



Our most robust solution for staff and service user safety in high-secure environments.

## Technical Specifications

### Door Core Specification:

54mm solid tri-laminated hardwood core

### Fire Rating:

NFR

### Maximum Leaf Dimensions:

1000mm (W) x 2100mm (H)

### Vision Panel Options:

Duralux, Visilux or Pyrolux Ranges, see page 52 for more details. For Vision Panel layouts, see page 62

### Available Finishes:

Classic Laminate or Plastic Encapsulated (non-standard).


### Endurance Testing:

Tested to recommended Department of Health Medium Secure Unit testing standards, see page 14 for more details on our testing standards

### Door Types Available:


Single Door

## Featured Finishes

 Surf  
- F 7923

 Cafe  
- F 0903

 Tornado  
- F 1535

 Peaceful Blue  
- F 0231

 Silver  
- F 2791

Please see page 44 for our full range of finishes.





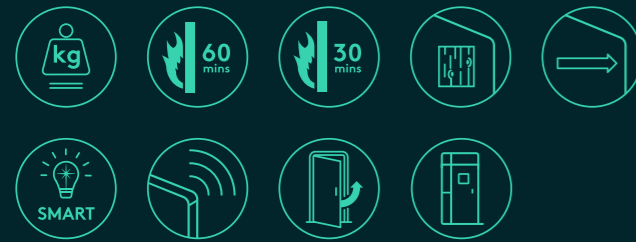
SINGLE ACTION

# SOLO

The SOLO Complete Door System provides a robust solution for all single action doorset requirements within a mental healthcare facility.

Anti-ligature by design, SOLO is highly versatile offering many options for fire-rating, Vision Panels and leaf configurations, including Single Leaf, Leaf and a Half, and Double Leaf.

Kingsway's project experts will guide you through the range of possible specifications, with bespoke combinations of door hardware, locking mechanisms, concealed transom closers, and side or over-panels to ensure the correct solution is delivered for both service users and staff.



## Innovative Features of SOLO



### Robust and durable

SOLO delivers the robustness of Kingsway's proven-to-perform tri-laminate core doors with durable hardware and attack resistant glazing where required.



### Versatile

SOLO's versatility makes it fit-for-purpose in a range of locations across mental health facilities, including but not limited to; corridors, communal areas and staff areas.



### Side and over panels

A choice of side and over panel options provide extra versatility to the SOLO Complete Door System, ensuring ample observation where necessary for greater patient and staff safety.



Pre-certificated and highly versatile, SOLO delivers the perfect solution for all single action doorset requirements in secure care settings.



## Technical Specifications

### Door Core Specification:

44mm or 54mm solid tri-laminated hardwood core

### Fire and Smoke Rating:

FD30S to BS476 part 22 under BM Trada Q-Mark 3rd party certification. Smoke rated to BS EN 1634-3: 2004 section 10.1.1

### Lippings for Veneer & Laminate Facings:

Hardwood 10mm to all four sides concealed or exposed

### Vision Panel Options:

Duralux, Visilux or Pyrolux Ranges, see page 52 for more details. For Vision Panel layouts, see page 62

### Available Finishes:

See page 44 for finishes and colour options

### Endurance Testing:

Tested to recommended Department of Health Medium Secure Unit testing standards, see page 14 for more details on our testing standards






### Door Types Available:

Single Door, Leaf and a Half & Double Leaf

### Maximum Leaf Dimensions:

1200mm (w) x 2100mm (h)

## Featured Finishes

-  **Blaze Red**  
- F 2824
-  **Vibrant Green**  
- F 6901
-  **Papyrus**  
- F 0547
-  **Cygnet**  
- F 3050
-  **Earth**  
- F 5342

Please see page 44 for our full range of finishes.



SPECIALIST

# STOW

With the ability to be locked back flush to the wall, STOW provides clinical teams with greater control over service user access to high-risk areas.

Often used in en-suite areas, the STOW Complete Door System gives staff full control over how the door is used and is fully compatible with our SENTRY Ligature Alarm System and Door Top Monitor Alarm, backed by the same guarantees as all our other door systems.



## Controlling use of the STOW



### Free Usage

Where it is deemed safe through clinical assessment, staff can allow service users free use of the door and full access through it, helping to maintain their privacy and dignity.



### Stowed

To facilitate safe access to high-risk areas without the risk of moving the door, staff can 'stow' and lock the door leaf back into a secondary frame that sits flush with the wall.



### Closed

If clinical assessment deems free access is not safe for the service user, then the STOW door leaf can be locked shut by staff.



Normal operation or stowed away flush to the wall, STOW provides staff with greater flexibility and improved service user safety in high secure environments.

## Technical Specifications

### Door Core Specification:

44mm or 54mm solid tri-laminated hardwood core

### Fire and Smoke Rating:

FD30S to BS476 part 22 under BM Trada Q-Mark 3rd party certification. Smoke rated to BS EN 1634-3: 2004 section 10.1.1

### Lippings for Veneer & Laminate Facings:

Hardwood 10mm to all four sides concealed or exposed

### Maximum Leaf Dimensions:

1200mm (w) x 2100mm (h)

### Available Finishes:

See page 44 for finishes and colour options


### Endurance Testing:

Tested to recommended Department of Health Medium Secure Unit testing standards, see page 14 for more details on our testing standards

### Door Types Available:

Single Door, 90° or 180° fold away frame

## Featured Finishes

-  Iris - F 1194
-  Dusty Jade - F 7879
-  Otter - F 3202
-  Maui - F 5347
-  Pale Olive - F 3007

Please see page 44 for our full range of finishes.



## SPLIT LEAF

# STABLE

The STABLE Complete Door System provides the solution for medication dispensing and servery areas. Its split leaf design allows staff to safely interact with service users whilst the bottom leaf remains securely locked. A simple quarter-turn deadbolt secures the upper and lower leaf together to provide normal door operation when needed.

With a wide range of configurations, including anti-barricade specifications, STABLE can meet your project's unique requirements whilst ensuring compliance with fire-safety regulations.



## Innovative Features of the STABLE



### Split Leaf

Designed to de-risk servery areas, STABLE is the only split leaf door system for mental health facilities that is fire rated for 30 minutes.



### Servery Hatch

STABLE can be fitted with a servery hatch to the upper leaf with a Vision Panel within it, ensuring maximum versatility and functionality.



### Customisable Spec

Compatible with a wide range of Kingsway Hardware, Finishes, Vision Panels and more to help contribute to a therapeutic environment through non-institutional design.



Reducing risk for dispensary or medicine servery rooms, the STABLE doorset provides the complete fire-rated solution.

## Technical Specifications

### Door Core Specification:

44mm or 54mm solid tri-laminated hardwood core

### Fire and Smoke Rating:

FD30S to BS476 part 22 under BM Trada Q-Mark 3rd party certification. Smoke rated to BS EN 1634-3: 2004 section 10.1.1

### Lippings for Veneer & Laminate Facings:

Hardwood 10mm to all four sides concealed or exposed

### Vision Panel Options:

Duralux, Visilux or Pyrolux Ranges, see page 52 for more details. For Vision Panel layouts, see page 62

### Available Finishes:

See page 44 for finishes and colour options

### Endurance Testing:

Tested to recommended Department of Health Medium Secure Unit testing standards, see page 14 for more details on our testing standards


### Door Types Available:


Single Door, Split Leaf, Anti-Barricade or Single-Action

### Maximum Leaf Dimensions:

1200mm (w) x 2100mm (h)

## Featured Finishes

 Juicy Pink  
- F 0232

 Sol  
- F 3209

 China Blue  
- F 7884

 Mojave  
- F 8751

 Sparta  
- F 0189

Please see page 44 for our full range of finishes.



SINGLE ACTION

# SERVICE

The SERVICE Complete Door System offers a fire-rated and durable solution for riser cupboards anywhere within a mental health facility.

Its robust yet discrete design and anti-ligature hardware make it suitable for use within patient areas, whilst an extensive choice of finishes ensure it suits the location's requirements.



## Innovative Features of SERVICE



### Wide access

Its concealed fire-rated hinges offer enhanced security and a wide angle of access to provide maintenance teams sufficient space to access mechanical or electrical controls.



### Anti-ligature hardware

The KG80 recessed pull handle provides a discreet opening method without presenting a ligature risk.



### Secure

The solid 4-sided frame and tri-laminated hardwood core door leaf provide a secure and robust solution for service cupboard doors within mental health facilities.



The robust and durable fire-rated solution for service cupboards in mental health facilities.



## Technical Specifications

### Door Core Specification:

44mm or 54mm solid tri-laminated hardwood core

### Available Finishes:

See page 44 for finishes and colour options

### Fire and Smoke Rating:

FD30S / FD60S under BM Trada Q-Mark 3rd party certification

### Endurance Testing:

Tested to recommended Department of Health Medium Secure Unit testing standards, see page 14 for more details on our testing standards

### Lippings for Veneer & Laminate Facings:

Exposed or concealed (subject to leaf finish) hardwood 10mm to all edges

### Door Types Available:

Single Door

### Maximum Leaf Dimensions:

900mm (w) x 1800mm (h)

## Featured Finishes

-  Caribbean - F 4172
-  Hunter Green - F 7967
-  Tropical Blue - F 2828
-  Sun - F 4155
-  Grenadine - F 6902

Please see page 44 for our full range of finishes.



CASE STUDY

# Psychiatric Intensive Care Unit at Downshire Hospital, NI

Opened in 2023, Kingsway Group helped South Eastern Health and Social Care Trust deliver the state-of-the-art Psychiatric Intensive Care Unit (PICU) serving the local area in Downpatrick, Northern Ireland.

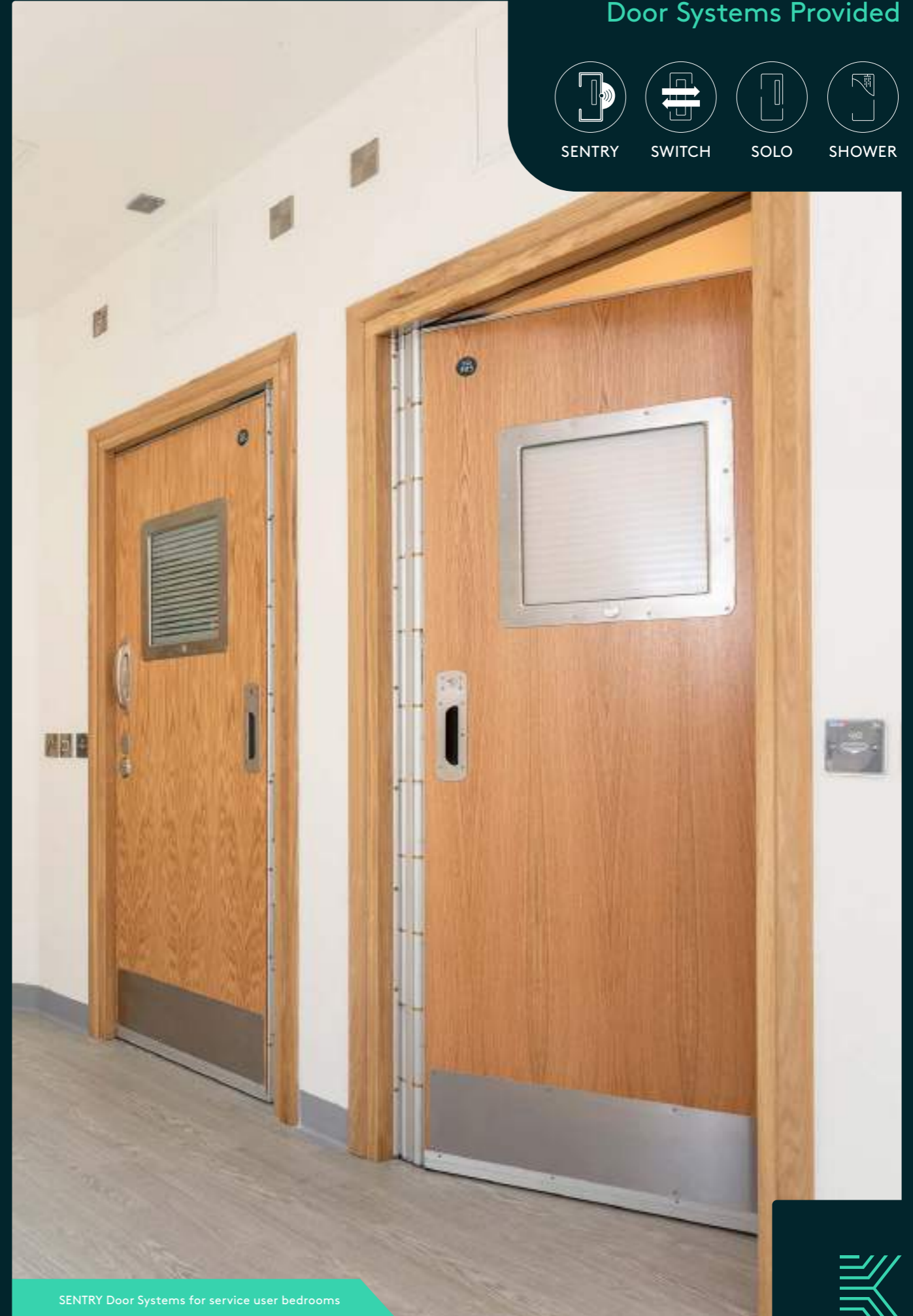
To help reduce risk and improve service user safety, our SENTRY Complete Door Systems with full door edge ligature alarms were selected to monitor and alert staff to ligature attempts against any of the door edges, whilst SENTRY's anti-barricade capabilities provide staff with a swift and safe means of overcoming barricading incidents. The installation of SENTRY at the Downshire PICU marked the first time South Eastern Health and Social Care Trust had incorporated ligature alarmed doors into their risk management strategy.



SOLO Door System with Pyrolux clear glazed Vision Panel



SENTRY and SHOWER Door Systems in bedrooms



SENTRY Door Systems for service user bedrooms

## Door Systems Provided



SENTRY



SWITCH



SOLO



SHOWER



A NEW APPROACH TO ANTI-LIGATURE  
HARDWARE DESIGN

## The Signature Range by Kingsway Group

As thought leaders in mental health product design, Kingsway Group bring you the Signature Range. Designed with patients in mind, the Signature Range meets the stringent demands of mental health environments, merging safety with a range of modern aesthetic finishes to contribute to the healing environment through robust performance and elegant design.

The Signature Range combines contemporary design styles, underpinned by the robust performance of our Anti-Ligature Complete Door Systems to deliver distinguished finishes for modern facilities. The Signature Range is compatible with our SENTRY, SWING, SWITCH, SOLO, STABLE, STOW and SERVICE Complete Door Systems.



*signature*  
Designed with patients in mind

 Kingsway  
Group



Mayfair



Manhattan



Malmö



Malmö



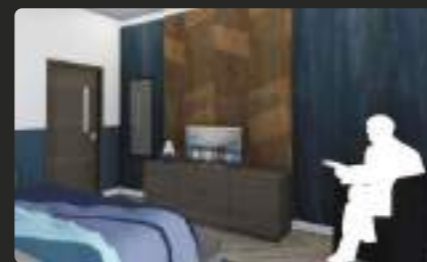
Simplicity, minimalism, and functionality. Based on elegant Scandinavian design, Malmö is intended to bring calm to secure environments, using simple natural materials with clean recessed hardware to blend into the environment for a soothing and healing experience. Malmö offers a calming, simple, and tactile finish, making it suitable for CAMHS, LD, and ASD settings amongst others.

Manhattan



Drawing energy from the vibrant district of New York City, the Manhattan finish offers retro colours with art deco influences from an era of stunning elegance. Sweeping anti-ligature hardware provides excellent usability offering a lasting solution for long-term care or older adult facilities.

Mayfair



Where contemporary design meets traditional style. The Mayfair range takes inspiration from the chic London district to provide an elegant hotel-feel for mental health inpatient facilities. Contrasting dark wood finishes with sleek anodized hardware offer a classy finish for a non-institutional feel underpinned by robust design.

# FINISHES

Whilst colour isn't a solution to the difficulties service users face in mental health facilities, its potential to contribute to improving their well-being should not be ignored. At Kingsway Group, we offer an extensive range of finishes to help staff create a more welcoming and therapeutic environment.



## Laminates

F 3091 Crystal White	F 2255 Polar White	F 2696 Super White	F 2274 Blanc Polaire	F 7949 Soft White	F 1040 Alpino	F 1534 Magnolia	F 2296 Sno White	F 2010 Malibu	K 2001 Baikal
F 7938 Glacier	F 7923 Surf	F 7934 Pearl	F 1531 Irish Cream	F 1192 Porcelana	F 7927 Folkestone	F 1994 Fox	F 1484 Steel	F 1093 Aries	F 2791 Silver
F 3050 Cygnet	F 7929 Oyster Grey	F 0547 Papyrus	F 7961 Fog	F 1535 Tornado	F 0189 Sparta	F 7902 Iron	F 7858 Pumice	F 8751 Mojave	F 7928 Mouse
F 7912 Storm	F 7924 Lead	F 2770 Sarum Grey	F 3202 Otter	F 2200 Dark Chocolate	F 0903 Cafe	F 7837 Graphite	F 2253 Diamond Black	F 2297 Terril	F 9266 Citadel
F 5342 Earth	F 0187 Kashmir	F 5344 Seed	F 7853 Ocean Grey	F 5343 Possum	F 7882 Pale Gold	F 2273 Seringa	F 7932 Antique White	F 2833 Sandstone	F 5348 Energy
F 2582 Lilac	F 0231 Peaceful Blue	F 1194 Iris	F 5493 Artice Blue	F 2962 Clementine	F 1238 Carnaval	F 1040 Alpino	F 0233 Heather	F 1019 Azur	F 7880 Thistle
F 1803 Tenere	F 3209 Sol	F 2824 Blaze Red	F 7845 Spectrum Red	F 0232 Juicy Pink	F 5346 Orchid	F 1485 Chrome Yellow	F 4155 Sun	F 3210 Levante	F 6902 Grenadine
F 0188 Beaujolais	F 7884 China Blue	F 6907 Amarena	F 7851 Spectrum Blue	F 2828 Tropical Blue	F 7940 Spectrum Yellow	F 4161 Terracotta	K 2005 Paprika	F 7966 New Burgundy	F 5345 Viola
F 6903 Cassis	F 2483 Ultramarine	F 3236 Avocado	F 4177 Lime	F 2966 Opal	F 5347 Maui	F 5341 Wasabi	F 8755 Lemon	F 5349 Fossil	F 7879 Dusty Jade
F 4172 Caribbean	F 7914 Marine Blue	F 7846 Grotto	F 7967 Hunter Green	F 3007 Pale Olive	F 6901 Vibrant Green	F 7897 Spectrum Green	F 1326 Capri	F 2478 Bermuda	F 1998 Oslo

## Woods

F 8576 Blond Cedar	F 1004 Pale Ash	F 8579 Belvedere Beech	F 1549 Tromso Maple	F 8841 White Ash	F 8843 Natural Ash	F 3855 Clear Maple	F 2726 Natural Beech	F 0190 Finn Beech	F 8910 Raw Birchply

## Woods

F 8585 Evergreen Oak	F 8844 Aged Ash	F 7921 Birch	F 5374 Elegant Oak	F 6149 Light Oak	F 5486 Classic Walnut	F 2884 Vosges Pear	F 1293 Redwood	F 5883 Pecan Woodline	F 5372 Vintage Wood
F 8853 Rural Oak	F 5887 Millennium Oak	F 7603 Bio-Oak	F 1079 Natural Oak	F 5370 Ivory Oak Cross	F 5483 Mocca Firwood	F 8583 Carpentry Oak	F 5782 Formal Walnut	F 6932 Macchiato Walnut	F 8847 Jarrah Legno
F 9012 Ebony	F 5373 Nocturne Wood	F 8589 Tula Oak	F 5872 Refined Walnut	F 8586 Cetina Walnut	F 8587 Peruca Walnut	F 8588 Nevada Oak	F 5873 Ventura Oak	F 8575 Dark Ash	F 1548 Mocha Cedar
F 1547 Noir Cedar	F 8839 Ashen Ribbonwood	F 8006 Avignon Walnut	F 0873 Ebony Ribbonwood	F 8848 Blackened Legno	F 5477 Ebony Oak Cross	F 5488 Smoky Brown Pear	F 8851 Classic Wenge	F 8552 Black Birchply	F 1614 Punga Punga Wood

## Acrovyn Solids

949 White	801 Grey Cloud	136 Pearl Grey	16 Harvest Gold	11 Alpine Blue	223 Danube	9003 Snow White	24 Dove	162 Charcoal	17 Sherbet
112 Pacific Blue	129 Yale Blue	933 Mission White	26 Taupe	7039 Iron	845 Spectrum Red	879 Dusty Jade	520 Imperial Purple	100 Eggshell	105 Mocha
7024 Graphite	34 Zest	6033 Mint Turquoise	4005 Plum	101 French Cream	8019 Earth	108 Black	23 Spring Green	5018 Lagoon	12 Cobalt

## Acrovyn Faux Wood & Metal

36 Bleached Oak	03 Beech	38 Smoked Oak	06 Brushed Aluminium	80 Nickel	02 Maple	39 Wenge	40 Burnt Oak	07 Carbon
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Customisable Duralux Vision Panels, bringing beautiful imagery to high secure environments.



See more on page 54 or visit:  
[kingswaygroupglobal.com/duralux](https://kingswaygroupglobal.com/duralux)



# KOSMOS

SMART MONITORING SYSTEM

BY Kingsway Group

## Helping you improve patient safety.

Following extensive research with many of our NHS Trust partners, the next-generation patient monitoring software has been developed to allow clinical teams to fully monitor ligature alarms and record an audit trail of patient activity and staff observations.

In challenging mental health environments, it is critical staff are aware of door ligature incidents and the KOSMOS Smart Monitoring System ensures this by providing the next level of ligature alarm technology to enable swift clinical response.

In addition, KOSMOS logs a full audit trail of door activity, staff observations, and ligature alarm activations to provide management teams with invaluable data to help review patient care quality and highlight key trends on wards, such as service users leaving their rooms at specific times during the night or remaining in their room more than usual.



## An assistive technology to reduce service user risk

### User friendly interface and bespoke floorplan

The KOSMOS software provides clinical teams with a visual representation of the ward via a bespoke ward-floorplan and live monitoring interface that clearly displays the alarm status of each ligature alarmed door within the ward.

### Early-warning indicators

KOSMOS is uniquely able to detect and alert staff to door tampering, a potential sign of patient distress, helping staff to proactively monitor and identify early-warning indicators to address them before a ligature attempt takes place.

### Alarm triggering and door isolation

The KOSMOS interface provides status monitoring for each ligature alarmed door and, if a ligature is detected, KOSMOS will trigger an alarm providing a visual and audible alert to staff. The interface will clearly display the location of the ligature incident allowing quick clinical response.

If a ligature alarmed door has been isolated, e.g. for door maintenance purposes or if a service user has been placed under constant observation, the KOSMOS software will clearly indicate the door alarm is not being monitored. Ward staff can then reactivate the status monitoring when intended.

The next-generation patient monitoring software, supporting clinical teams to improve patient safety.



# KOSMOS

SMART MONITORING SYSTEM

BY Kingsway Group

## Fault detection and testing reminders

With life-critical systems it is vital that any faults are promptly detected and rectified. KOSMOS monitors its own network and can detect faults within the system, whilst built-in reminders let staff know when to test the alarmed doors within the ward.

## Full integration

KOSMOS integrates with Kingsway alarmed door systems and all major annunciation systems, including SAS, Pinpoint and Guardian, ensuring seamless integration with your existing annunciation system.

## Complete audit trail

KOSMOS logs a full audit trail of door and vision panel activity, providing clinical teams with valuable data for future review to help highlight potential problem areas.

## Network connectivity

The KOSMOS Smart Monitoring System forms a stand-alone hardwired network and does not need to connect to a Trust's IT network. KOSMOS stores collected data locally within its own system and this data is owned by the Trust.

## KOSMOS training for staff

Kingsway Group provide full training to staff on KOSMOS to ensure its functions are completely understood. Bespoke training will be provided as well as online resources, including video and written guides, for access by staff at any time.



CUSTOMISABLE

# VISION PANELS

Our range of double-sided Vision Panels offer bespoke fire rated solutions for the most challenging mental health environments. From our Duralux Secure Vision Panel - the most trusted observation solution for UK facilities - to our Visilux Privacy Vision Panel, an observation solution is available for low through to high secure mental health facilities.

As part of our commitment to helping mental health facilities deliver less institutional spaces, our range of vision panels offer extensive customisation and personalisation possibilities.

From bespoke imagery to a wide choice of coloured finishes, our Vision Panels help contribute to the healing environment whilst providing the robustness and durability demanded.



DURALUX

VISILUX

PYROLUX

PANORAMA

SERENITY



ULTIMATE HIGH SECURE VISION PANEL

# DURALUX

Duralux is the original high-strength double-sided secure vision panel for challenging environments. Combining stainless steel pressed fascia with high-strength Trident attack-resistant glazing, it offers our most durable solution for patient observation in mental health facilities whilst retaining privacy. All with a lifetime guarantee.



## Enhanced safety and security

Two panels of high-strength attack resistant glazing are securely sealed between two pressed steel fascia to provide a highly durable and robust anti-ligature observation solution. Unique to Kingsway Group, the operating mechanism is housed within the steel fascia to ensure optimum strength.

## Design and sizing options

Duralux is available with a customisable powder coat or wrapped finish to the fascia and with bespoke colour and imagery options for the vision bands to help contribute to a more therapeutic environment. Duralux is available in square and oblong sizing (405mm x 405mm & 800mm x 250mm as standard) with bespoke sizing options where required.

For vision panel layout options, please see page 62.

### To the patient side:

- Pressed stainless steel fascia with no visible fixings
- Optional anti-ligature thumb turn
- Trident 19mm toughened attack resistant glass to EN356

### To the staff side:

- Recessed square or oval key operation
- Trident 10mm toughened glass
- Pressed stainless steel fascia with M5 security bolts

### Function options:

Duralux can be made to operate from both sides or just one, controlled by either a staff key or thumb turn with a choice of 'hold open' and 'auto-close' functions.



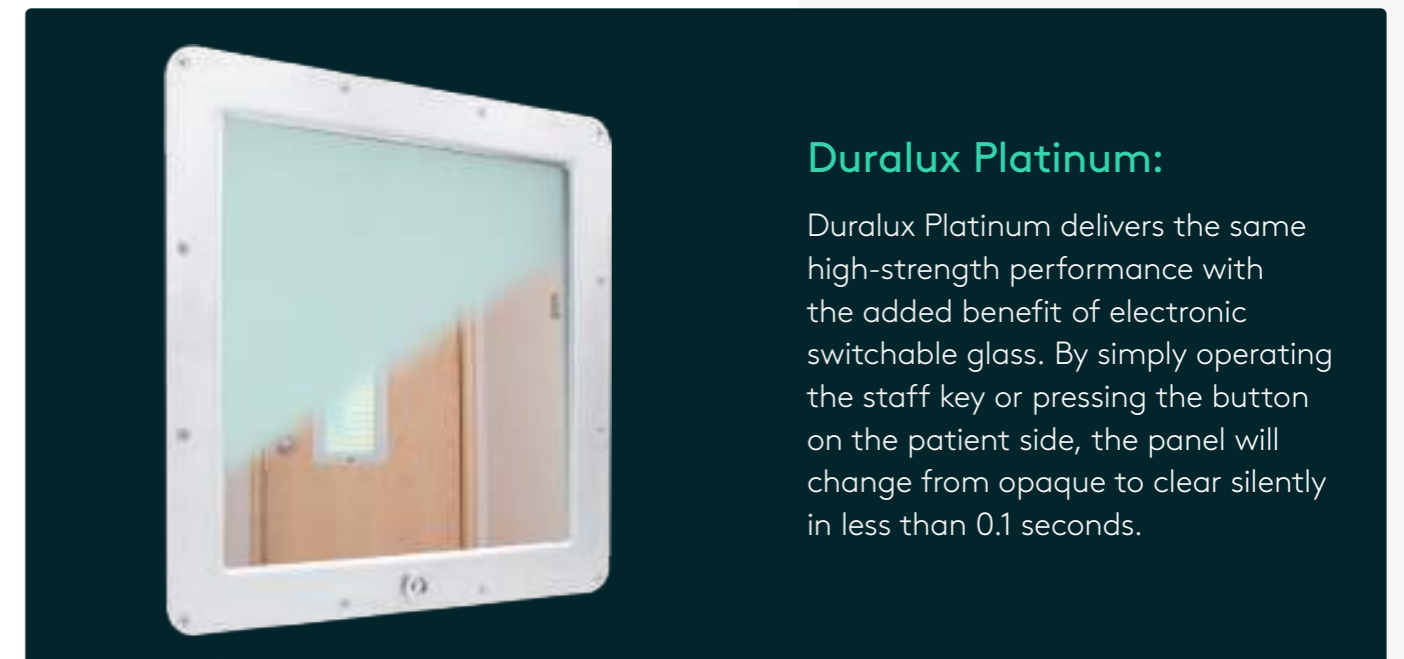
## Technical Specifications

### Endurance Testing:

Tested to recommended Department of Health Medium Secure standards, see page 14 for more details on our testing standards.

### Fire Rating:

FD30 rated in 44mm doors  
FD60 rated in 54mm doors



## Duralux Platinum:

Duralux Platinum delivers the same high-strength performance with the added benefit of electronic switchable glass. By simply operating the staff key or pressing the button on the patient side, the panel will change from opaque to clear silently in less than 0.1 seconds.

# VISILUX

The Visilux Privacy Vision Panel combines toughened glass and top quality stainless steel components within a timber frame to deliver a versatile and robust double-sided observation panel that compliments the healing environment.



## Safe and controllable observation

With its softened edges, rounded anti-ligature thumb turn and FD30 fire rating, the Visilux Privacy Vision Panel provides a safe and effective observation solution for lower secure mental health environments where a more homely feel is desired.

## Design and sizing options

Visilux's timber beading frame is available in a range of finishes whilst the vision panel bands can be customised with bespoke colour choices and images. Visilux is available in square and oblong sizing (405mm x 405mm & 800mm x 250mm as standard) and can be manufactured to bespoke sizes to suit the required aperture.

For vision panel layout options, please see page 62.

### To the patient side:

- Optional anti-ligature thumb turn or DDA lever
- Trident 6mm, 10mm or 19mm toughened glass
- Timber bead frame with no visible fixings

### To the staff side:

- Square or oval key operation
- Trident 6mm, 10mm or 19mm toughened glass
- Secured with timber beads and security bolts

### Function options:

Visilux can be made to operate from both sides or just one, controlled by either a staff key or thumb turn with a choice of 'hold open' and 'auto-close' functions.



## Technical Specifications

### Fire Rating:

FD30 in 44mm doors



## Visilux Platinum:

Visilux Platinum delivers the same reliable performance with the added benefit of electronic switchable glass. By simply operating the staff key or pressing the button on the patient side, the panel will change from opaque to clear silently in less than 0.1 seconds.

CASE STUDY

# Child and Adolescent Unit, Red Kite View at St Mary's Hospital, Leeds

Completed in January 2022, Kingsway Group helped Leeds and York Partnership NHS Foundation Trust deliver a modern and therapeutic 22-bed CAMHS facility designed with extensive service user consultation throughout.

Kingsway Group helped our Trust partner improve service user safety with a bespoke Anti-Barricade Complete Door System for the service user bedrooms designed specifically for CAHMS in collaboration with project architects Gilling Dodd. Kingsway Group's SWITCH, SOLO, SHOWER, and SERVICE Complete Door Systems were also selected to further reduce risk within the facility.



SWITCH Anti-Barricade Door Systems



Bespoke Anti-Barricade LUMOS Door System



SWITCH Anti-Barricade Door System, leaf and a half

## Door Systems Provided

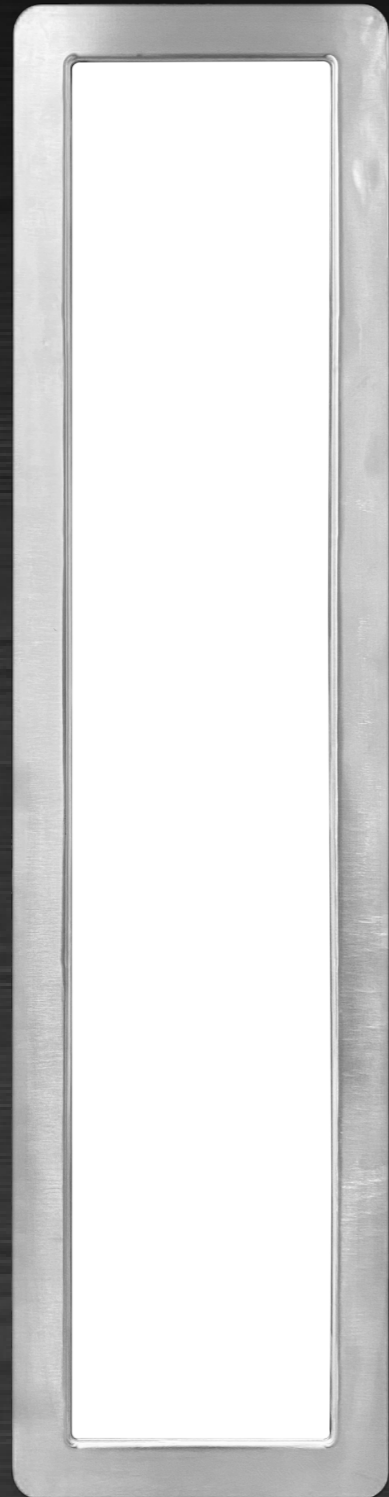
- SOLO
- SWITCH
- SERVICE
- SHOWER



FIRE RATED CLEAR GLAZED VISION PANEL

# PYROLUX

Pyrolux vision panels are designed for use in secure healthcare environments and combine two layers of Trident attack-resistant glazing with highly durable pressed stainless steel fascia for lasting performance.



## Enhanced safety and security

The high-strength attack resistant clear glazing is securely sealed between two pressed steel fascia to provide a highly durable and robust vision panel solution.

## Design and sizing options

Pyrolux is available with a customisable powder coat or wrapped finish to the fascia to help suit the aesthetics of the environment. It is available in the following square and oblong sizing options as standard, with bespoke sizing options available where required.

### Standard sizing:

- 500 x 200mm
- 800 x 200mm
- 500 x 500mm
- 800 x 500mm
- 1370 x 320mm

### To the patient side:

- Pressed stainless steel fascia with no visible fixings
- Trident 19mm toughened attack resistant glass to EN356

### To the staff side:

- Pressed stainless steel fascia with M5 security bolts
- Trident 19mm toughened attack resistant glass to EN356



## Technical Specifications

### Endurance Testing:

Tested to recommended Department of Health Medium Secure standards, see page 14 for more on our testing standards.

### Fire Rating:

FD30 rated in 44mm doors  
FD60 rated in 54mm doors



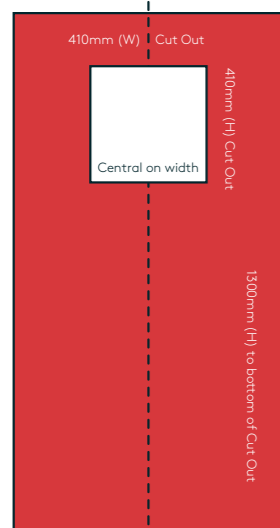
## Pyrolux Timber Bead System:

The Pyrolux Timber Bead System is designed for lower secure areas with a range of customisable finishes whilst offering good robustness.

# VISION PANEL LAYOUTS

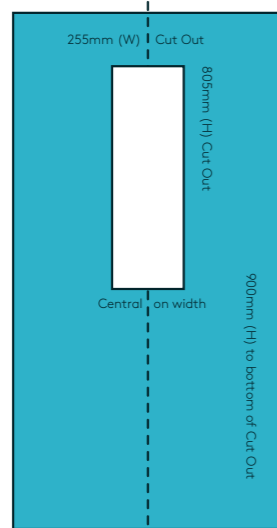
## Duralux and Visilux Privacy Vision Panel Positions:

**Square**  
VP Cut Out Central Across Leaf Width



**Model Numbers:**  
D4400, D4401, D4402, D4403, D4404, D4500, D4501, D4502, D4503, D4504, V4400, V4401, V4402, V4403, V4404

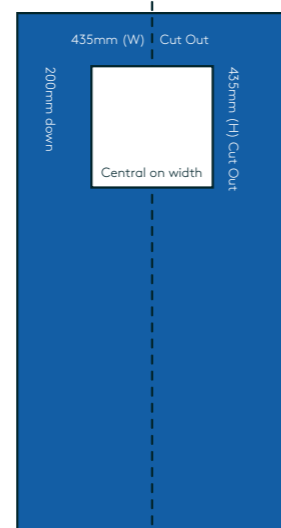
**Oblong**



**Model Numbers:**  
D8400, D8401, D8402, D8403, D8404, D8500, D8501, D8502, D8503, D8504, V8400, V8401, V8402, V8403, V8404

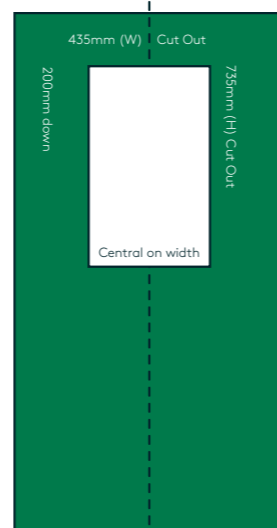
## Pyrolux Clear Vision Panel Positions:

**Square**



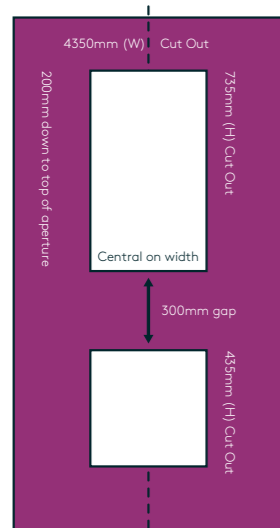
**Model Numbers:**  
P5050, P5055

**Oblong**

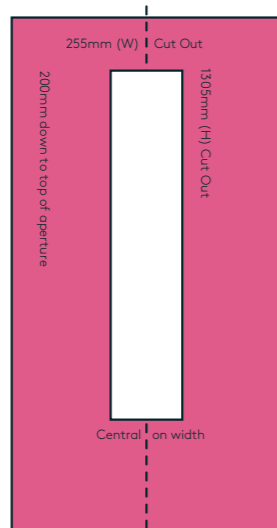


**Model Numbers:**  
P8050, P8055

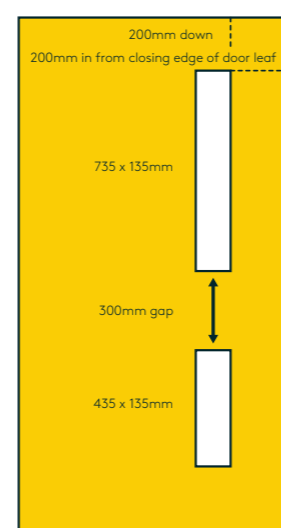
## Pyrolux Clear Vision Panel Positions:



**Model Numbers:**  
P8050, P8055 – Upper VP  
P5050, P5055 – Lower VP

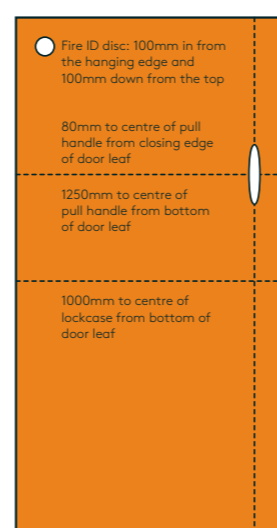


**Model Numbers:**  
P1330, P1355



**Model Numbers:**  
P8020, P8025 - Upper VP  
P5020, P5025 - Lower VP

## Hardware positions:



# KOSMOS

SMART MONITORING SYSTEM

Assisting staff through smart technology.



See more on page 48 or visit:  
[kingswaygroupglobal.com/kosmos](https://kingswaygroupglobal.com/kosmos)



ULTIMATE OBSERVATION SOLUTION

# PANORAMA

Our Panorama secure glazed screen offers the ultimate solution for observation through a wall in challenging mental health environments, capable of providing staff with a wide field of vision for a safe and effective means of observation.



## Design options

Panorama features a hardwood timber surround with a bullnose edge on the staff side, whilst the service user side delivers exceptional durability through a pressed stainless steel fascia.

### Trident 19mm Glass

As standard, the Panorama Vision Panel is fitted with 19mm Trident attack resistant glass for exceptional robustness. The glass is inserted into the timber frame rebate whilst the pressed stainless steel fascia secures it in place.

### Trident 19mm Glass & Lumex Switchable Glass

A Lumex switchable glass panel can be fitted to the staff side of the Panorama unit with the ability to silently switch from opaque to transparent at the touch of a button, offering an excellent solution for maintaining privacy in areas where observation is necessary.



## Technical Specifications

### Panel size options

Panorama offers the solution where a large observation panel is required. It is available in bespoke sizing options from 300 x 300mm up to 2400 x 1200mm.



## Bespoke Panorama Duralux Wall Panel

Combining the capabilities of our Duralux High Secure Vision panel with the Panorama to provide a bespoke solution for observation through a wall whilst retaining privacy when required. Controlled by the Kingsway Staff Key or an anti-ligature thumb turn to provide controlled and safe observation.

A WINDOW TO SERENE LANDSCAPES

# SERENITY

A new Kingsway Group innovation, the SERENITY panel displays therapeutic imagery and serene moving landscapes through an interactive screen.



## Introducing SERENITY: An Anti-Ligature Interactive Panel

The SERENITY panel features a selection of pre-loaded moving imagery and allows service users to cycle through and select their preferred choice by operating a touch-free sensor to control the panel. With the ability to emit low-level sound, the service user can decide whether they want to hear the matching sounds of their selected imagery, such as the sound of waves rolling on a beach or the sound of droplets within a rainforest.

SERENITY is robustly designed for challenging mental health environments. The display panel and interactive sensor are housed within a factory-formed chamfered hardwood surround that is anti-ligature by design. Attack resistant 10mm polycarbonate glazing to the front of the panel protects the interactive panel.

INNOVATIVE ANTI-LIGATURE

# HARDWARE

Our range of anti-ligature hardware and ancillary products are designed to improve the safety of both staff and service users within the most challenging mental health environments.

With a wide variety of Locksets, Hatches, Washroom products and more, we are able to deliver the correct bespoke solutions for any project's unique requirements.

Our anti-ligature hardware products combine elegant design with functional performance to help contribute to the therapeutic environment whilst reducing risk.

For a full list of the products we offer, visit:  
[kingswaygroupglobal.com/products](https://kingswaygroupglobal.com/products)



ACCESS CONTROL

ANTI-BARRICADE

DOOR HANDLES

HATCHES

HOOKS AND DOOR STOPS

LOCKSETS



# ACCESS CONTROL

Our access control devices provide the solution where security is a key consideration and access is to be permitted by authorised persons only.



Available as part of a Complete Door System only

## KG222 Anti-Ligature Mag Lock Housing

A robust mag lock solution providing an overall holding force of 1200kg for use where security is a key consideration. It is suitable for single action doors and can be operated by a wall mounted switch or a staff fob, as well as automatically unlocked during fire alarms.

**More info:**  
[kingswaygroupglobal.com/kg222](https://kingswaygroupglobal.com/kg222)



Available as part of a Complete Door System only

## KG240 High Secure Electric Strike Release

An electric strike release designed for high secure environments. It can be operated by a wall mounted switch or a staff fob, as well as automatically unlocked during fire alarms. The KG240M version has the ability to monitor whether the door is engaged and can detect tampering to its release device.

**More info:**  
[kingswaygroupglobal.com/kg240](https://kingswaygroupglobal.com/kg240)



Available as part of a Complete Door System only

## KG245 Secure Electric Strike Housing

A high-strength housing for the KG240 High Secure Electric Strike Release for greater durability and easier maintenance.

**More info:**  
[kingswaygroupglobal.com/kg245](https://kingswaygroupglobal.com/kg245)





Available as part of a Complete Door System only

### KG244 Twin Mag Lock - Vertical Frame Mounted

A vertically mounted twin mag lock unit providing a high level of security with two magnetic locks possessing a holding force of 600kg each. It can be operated by a wall mounted switch or a staff fob, as well as automatically unlocked during fire alarms.

**More info:**  
[kingswaygroupglobal.com/kg244](http://kingswaygroupglobal.com/kg244)



Available as part of a Complete Door System only

### KMG01 Overhead Mag Lock

A horizontally mounted mag lock providing a holding force of 500kg suitable for single action doors. It can be operated by a wall mounted switch or a staff fob, as well as automatically unlocked during fire alarms.

**More info:**  
[kingswaygroupglobal.com/kmg01](http://kingswaygroupglobal.com/kmg01)



Available as part of a Complete Door System only

### KMG02 Overhead Twin Mag Lock

A horizontally mounted twin mag lock unit providing an overall holding force of 1000kg suitable for single action doors. It can be operated by a wall mounted switch or a staff fob, as well as automatically unlocked during fire alarms.

**More info:**  
[kingswaygroupglobal.com/kmg02](http://kingswaygroupglobal.com/kmg02)



## PRODUCTS

# HANDLES

Our range of Handles are designed to offer exceptional grip and durability whilst retaining anti-ligature design to ensure risk is reduced.





### KG30 Anti-Ligature Easygrip Pull Handle On Back Plate

A compact anti-ligature handle with a shaped back plate to enhance the overall appearance and help create a modern environment, designed to give excellent grip whilst remaining safe for installation in all user group areas.

**More info:**  
[kingswaygroupglobal.com/kg30](https://kingswaygroupglobal.com/kg30)



### KG70 Anti-Ligature Pull Handle Single Recessed Face Fix

A slim and stylish anti-ligature recessed pull handle with an excellent grip area. Made from pressed stainless steel, it is extremely durable and suitable for all patient groups.

**More info:**  
[kingswaygroupglobal.com/kg70](https://kingswaygroupglobal.com/kg70)



### KG40 Anti-Ligature Ergogrip Handle On Back Plate

A stylish and modern anti-ligature pull handle that offers excellent grip, supplied on a large radiused-end finger plate with chamfered edges and countersunk fixing holes.

**More info:**  
[kingswaygroupglobal.com/kg40](https://kingswaygroupglobal.com/kg40)



### KG80 Recessed Pull Handle

An anti-ligature recessed pull handle that gives good grip to the user with slim, flush mounting to the door leaf making it ideal for use in patient accessible areas.

**More info:**  
[kingswaygroupglobal.com/kg80](https://kingswaygroupglobal.com/kg80)



### KG60 Anti-Ligature Classic Grip Handle On Back Plate

A solid anti-ligature handle with a large finger grip area to aid those with impaired manual dexterity. KG60 is supplied on a large chamfered finger plate with radiused ends and countersunk fixing holes.

**More info:**  
[kingswaygroupglobal.com/kg60](https://kingswaygroupglobal.com/kg60)



### KG91 Anti-Ligature Lever Handles Half Set

A slim-design anti-ligature lever suitable for those with impaired manual dexterity. The stainless steel handle offers great durability and provides an anti-ligature solution for latch door furniture. Also available as a full set under KG90 specification.

**More info:**  
[kingswaygroupglobal.com/kg91](https://kingswaygroupglobal.com/kg91)



# HATCHES

Our range of Hatches are designed for use in the most challenging environments and offer secure solutions to dispensary or serving requirements without needing to open the door leaf.



## KG160 Anti-Ligature Wall Mounted Rotating Food Hatch

A wall mounted anti-ligature food hatch with a rotating unit to provide a secure food serving solution, capable of allowing 220mm items to be passed into a room without risk of sight or contact. It is secured with security bolts on the staff side with no visible fixings on the patient side.

**More info:**  
[kingswaygroupglobal.com/kg160](https://kingswaygroupglobal.com/kg160)



## KG165 Secure Food Hatch With 3-Point Lock

A high secure hatch fitted to doors to provide a secure tray serving solution without needing to open the door. It can allow 374mm items to pass through and is secured with security bolts on the staff side with no visible fixings on the patient side.

**More info:**  
[kingswaygroupglobal.com/kg165](https://kingswaygroupglobal.com/kg165)



Available as part of a Complete Door System only



## KG171 Clinic Room Hatch with Vision Panel

A secure door hatch with Vision Panel to provide a safe serving solution with observation capabilities. The hatch allows items to be passed out of a secure room without needing to open the door leaf. It is flush to the patient side with no visible fixings and can be fitted with a serving shelf to the staff side.

**More info:**  
[kingswaygroupglobal.com/kg171](https://kingswaygroupglobal.com/kg171)



Available as part of a Complete Door System only

PRODUCTS

# HOOKS & DOOR STOPS

Our anti-ligature Hooks and Door Stops take into consideration the finest of details to help clinical teams further reduce ligature risk within mental health facilities.



## KG177 Anti-Ligature Dual Coat Hook Rack

An anti-ligature dual coat hook rack with a low load release threshold suitable for patient areas. The flexible rubber hooks have a high silicone content for durability and will support items such as coats or towels before releasing under additional weight.

**Available colours:**

Black, Blue, Cream, Grey, Beige

**More info:**

[kingswaygroupglobal.com/kg177](https://kingswaygroupglobal.com/kg177)



## KG178 Anti-Ligature Quad Coat Hook Rack

An anti-ligature coat hook rack suitable for patient areas featuring four flexible rubber hooks with low load release thresholds. The rubber hooks have a high silicone content for durability and will support items such as coats or towels before releasing under additional weight.

**Available colours:**

Black, Blue, Cream, Grey, Beige

**More info:**

[kingswaygroupglobal.com/kg178](https://kingswaygroupglobal.com/kg178)



## KG180 Anti-Ligature Single Coat Hook

A single anti-ligature coat hook suitable for patient areas with a low load release flexible rubber hook. The rubber hook has a high silicone content for durability and will support items such as coats or towels before releasing under additional weight.

**Available colours:**

Black, Blue, Cream, Grey, Beige

**More info:**

[kingswaygroupglobal.com/kg180](https://kingswaygroupglobal.com/kg180)







### KG181 Anti-Ligature Door Stop Floor Mounted

An anti-ligature floor mounted door stop manufactured from stainless steel with high impact rubber, designed to protect doors and surfaces from damaging each other.

**More info:**  
[kingswaygroupglobal.com/kg181](https://kingswaygroupglobal.com/kg181)



### KG182 Anti-Ligature Door Stop Wall Mounted

A wall mounted door stop with a high impact rubber dome set in a stainless steel surround. The door stop prevents damage between door handles and walls whilst being anti-ligature by design.

**Available colours:**  
Black, Blue, Cream, Grey, Beige

**More info:**  
[kingswaygroupglobal.com/kg182](https://kingswaygroupglobal.com/kg182)



### KG184 Anti-Ligature Large Rubber Door Stop Wall On Backplate

A solid high-pressure domed rubber door stop with metal back plate for ultimate durability, suitable for use on walls and doors. Two stops can be used for maximum clearance where large items of ironmongery are used, fitted to the door and skirting.

**More info:**  
[kingswaygroupglobal.com/kg184](https://kingswaygroupglobal.com/kg184)



## PRODUCTS

# LOCKSETS

Our range of anti-ligature Locksets have been designed to offer a solution for all areas within a mental health facility. From low secure to high secure settings, a range of auto-locking and roller bolt options ensure the correct solution is available.





Available as part of a Complete Door System only

### KG1100 Bedroom Lockset

A simple lockset solution with a roller bolt for bedroom or patient area doors where the risk of barricading is low.

An interior anti-ligature thumb turn provides service users with flexible use by allowing the door to be locked or unlocked. To ensure service user safety, staff can unlock the door from the outside using a key even if the interior thumb turn is held. Staff can also lock the door with the key from the outside.

**More info:**  
[kingswaygroupglobal.com/kg1100](http://kingswaygroupglobal.com/kg1100)



Available as part of a Complete Door System only

### KG1400 Auto-Locking Lockset With Secondary Override

An auto-locking lockset with dual means of access designed for secure entry and improved service user privacy and safety.

The door will automatically lock when closed and features an interior thumb turn to allow service users to open the door at any time. Staff can unlock the door even if the interior thumb turn is held by using either the normal key cylinder or the override Oval Staff Key if the key cylinder has been jammed by the service user.

**More info:**  
[kingswaygroupglobal.com/kg1400](http://kingswaygroupglobal.com/kg1400)



Available as part of a Complete Door System only

### KG1200 Bedroom Lockset With Secondary Override

A dual access lockset solution with a roller bolt for patient bedroom or communal area doors. An interior thumb turn allows service users to lock and unlock the door whilst the lockset provides staff with two methods of unlocking the door from the outside even if the interior thumb turn is held.

Staff can unlock the door by using either the normal key cylinder or the override Oval Staff Key if the key cylinder has been jammed by the service user.

**More info:**  
[kingswaygroupglobal.com/kg1200](http://kingswaygroupglobal.com/kg1200)



Available as part of a Complete Door System only

### KG1500 Indicator Lockset With Secondary Override

A roller bolt lockset with lock indicator and dual means of access designed for washrooms and toilets in patient accessible areas. An interior thumb turn allows service users to lock or unlock the door with the lock's status being displayed by the exterior-side indicator.

Staff can unlock the door from the outside even if the interior thumb turn is held by using either the normal key cylinder or the override Oval Staff Key if the key cylinder has been jammed by the service user.

**More info:**  
[kingswaygroupglobal.com/kg1500](http://kingswaygroupglobal.com/kg1500)



Available as part of a Complete Door System only

### KG1300 Auto-Locking Lockset

An auto-locking lockset designed for secure entry and improved service user privacy and safety.

The lockset will automatically lock when closed and features an interior thumb turn to allow service users to open the door at any time. Staff can unlock the door from the outside using a key even if the interior thumb turn is held.

**More info:**  
[kingswaygroupglobal.com/kg1300](http://kingswaygroupglobal.com/kg1300)



Available as part of a Complete Door System only

### KG1600 Communal Deadlock Lockset

The simple lockset solution to communal area doors or staff-access-only doors.

The lockset provides flexible access through its roller bolt when left unlocked whilst key cylinders fitted to both sides of the door allow staff to lock or unlock the door from either side using a key.

**More info:**  
[kingswaygroupglobal.com/kg1600](http://kingswaygroupglobal.com/kg1600)





Available as part of a Complete Door System only

## KG1700 Communal Nightlatch Lockset

An auto-locking solution for secure access to communal area doors or staff-access-only doors.

The lockset will automatically lock upon closing to prevent unauthorised access whilst key cylinders fitted to both sides of the door allow staff to unlock the door from either side using a key.

**More info:**  
[kingswaygroupglobal.com/kg1700](https://kingswaygroupglobal.com/kg1700)



# SENTRY

The most versatile ligature alarmed door solution available for mental health facilities.



See more on page 22 or visit:  
[kingswaygroupglobal.com/sentry](https://kingswaygroupglobal.com/sentry)

ANTI-LIGATURE

# WASHROOM ACCESSORIES

As a high-risk area, washrooms in mental health facilities require careful consideration when planning and designing. Our wide range of anti-ligature washroom products help to increase service user safety within these areas by reducing the ligature risks present.

The range consists of a number of anti-ligature products, including toilet tissue, paper towel, and soap dispensers, along with supportive rails to assist the most vulnerable service users in the washroom area.

Extensive consideration has been given to both the materials used and the products' design characteristics to ensure the ligature risks present in washrooms are reduced whilst still providing the durability expected and demanded.



DISPENSERS

GRAB BARS

HAND RAILS

DOC M PACK





## KG01 Anti-Ligature Toilet Tissue Dispenser

A secure toilet tissue dispenser manufactured from 316 grade stainless steel for high durability against corrosion and abuse suitable for the most challenging environments.

**More info:**  
[kingswaygroupglobal.com/kg01](http://kingswaygroupglobal.com/kg01)



## KG07 Anti-Ligature Manual Soap Dispenser Surface Mount

An anti-ligature surface mounted manual liquid soap dispenser with a refillable unit to provide a hygienic, safe, and durable solution to hand sanitisation in patient accessible washrooms. (Soap refills not included – we recommend the GOJO 1847-04.)

**More info:**  
[kingswaygroupglobal.com/kg07](http://kingswaygroupglobal.com/kg07)



## KG02 Anti-Ligature Paper Towel Dispenser

A stainless steel unit to provide a durable and effective means of dispensing paper towels in challenging environments where safety is of the utmost importance.

**More info:**  
[kingswaygroupglobal.com/kg02](http://kingswaygroupglobal.com/kg02)



## KG08 Anti-Ligature Manual Soap Dispenser Gojo Compatible

An anti-ligature surface mounted manual liquid soap dispenser compatible with GOJO soap refills to provide a hygienic, safe, and durable solution to hand sanitisation in patient accessible washrooms. (Soap refills not included – compatible with GOJO LTX-12 1200ml refill cartridges.)

**More info:**  
[kingswaygroupglobal.com/kg08](http://kingswaygroupglobal.com/kg08)



## KG03 Anti-Ligature Toilet Roll Holder

An anti-ligature resistant surface mounted toilet roll holder manufactured from stainless steel for a secure, effective, and highly durable solution for patient area toilets.

**More info:**  
[kingswaygroupglobal.com/kg03](http://kingswaygroupglobal.com/kg03)



## KG10 Anti-Ligature Toilet Tissue Dispenser Recessed

An anti-ligature stainless steel recessed toilet tissue dispenser for service user washrooms that is fitted flush with the wall to provide a well styled yet robust solution.

**More info:**  
[kingswaygroupglobal.com/kg10](http://kingswaygroupglobal.com/kg10)





## KG11 Anti-Ligature Paper Towel Dispenser Recessed

A recessed paper towel dispenser manufactured from stainless steel for a durable and anti-ligature means of dispensing paper towels. Recessed and well styled, it provides a modern and robust solution for challenging environments.

**More info:**  
[kingswaygroupglobal.com/kg11](https://kingswaygroupglobal.com/kg11)



## KG250 Anti-Ligature Grab Bar

An anti-ligature handrail suitable for use in service user washrooms as a vertical rail beside a mirror, on the wall behind a WC, at 15° beside a WC, or on the back of a door. Finished in a range of powder coating options and supplied with security fixings.

**More info:**  
[kingswaygroupglobal.com/kg250](https://kingswaygroupglobal.com/kg250)



## KG12 Anti-Ligature Recessed Washroom Shelf

A stainless steel recessed shelf for use in secure washrooms with a self-draining base making it suitable for items such as soap.

**More info:**  
[kingswaygroupglobal.com/kg12](https://kingswaygroupglobal.com/kg12)



## KG255 Anti-Ligature Drop Rail Wall Mounted

A ligature resistant drop rail to facilitate safe use of washrooms with a sturdy hinged arm that can be locked in the upright position when not in use. Manufactured from heavy gauge steel for maximum strength and powder coated for extra comfort and to match or contrast the surroundings.

**More info:**  
[kingswaygroupglobal.com/kg255](https://kingswaygroupglobal.com/kg255)



## Anti-Ligature Washroom Doc M Pack

An anti-ligature washroom pack containing the five parts necessary to ensure your facility fulfils Part M of the Building Regulations and satisfies the 2010 Equality Act. Each anti-ligature component has been specifically designed for mental health environments and their ergonomic properties allow easy and comfortable use for disabled service users without impacting the ligature risk.

**More info:**  
[kingswaygroupglobal.com/doc-m](https://kingswaygroupglobal.com/doc-m)





Your Partner in Patient Safety

The best ideas always  
start as conversations

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