

PRODUCT SHOWCASE

# At the forefront of ligature & barricade resistant design





## Your Partner in Patient Safety

At Kingsway Group, we exist to push limits, challenge thinking, and drive innovation to move design in behavioral 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 our behavioral health partners reduce risk and improve patient safety in over 10,000 projects globally.

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

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

As Your Partner in Patient Safety, we offer an extensive range of proven-to-perform behavioral health door systems, Division 10 items, technology products and more designed through ongoing research and collaboration with behavioral health professionals and Experts by Experience.

### Improving safety in behavioral health

From the introduction of the world's only hinge-side anti-barricade door system, to the launch of our KOSMOS Smart Monitoring System, our history is dotted with innovative creations designed to reduce risk and improve safety within behavioral 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 patients throughout behavioral healthcare.

Over 10,000 risk reducing projects delivered across the globe.

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YOUR PARTNER IN PATIENT SAFETY

# 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.



## Our Guarantee

To reinforce our commitment to providing our partners with the best service available, we are proud to offer a 3-year guarantee at no extra cost on all our products – with the exception of our Duralux Vision Panels which come with a lifetime guarantee.

## NPS Partner Feedback

As Your Partner in Patient Safety, your feedback is crucial not only to ensuring we deliver innovative solutions to the latest challenges but also to ensuring our service and support continues to exceed expectations.

With a Net Promoter Score (NPS) of +91, 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.

## Approved Door Manufacturers

Established in 1896, the National Fire Protection Association (NFPA) is a global non-profit organization devoted to eliminating death, injury, and property and economic loss due to fire, electrical and related hazards.

As a member of the NFPA, at Kingsway Group we recognize the critical importance of code compliance and strive to ensure our products have the required certifications to enable their use in the most demanding situations.

The NFPA produces standards such as NFPA 80 and NFPA 105 from which UL Standards and Engagements derive their testing standards, including UL1784, the Standard for Safety of Air Leakage Tests of Door Assemblies.

Various provisions of the International Building Code (IBC) require doors to meet the requirements for a smoke and draft control door assembly tested in accordance with UL1784, and as holders of UL1784 certification, at Kingsway Group we ensure our door systems and components are rigorously tested to the required standards, giving building owners, specifiers, and the responsible persons confidence in the smoke compliance of their door systems with documented evidence to demonstrate this.



Kingsway Group US Headquarters, Avis building

## US Production Facility, Michigan


We are proud to be produce our behavioral health doorsets in the US from our rapidly growing Avis production facility based in Madison Heights, Michigan.

The increased space at Avis allows for greater innovation and reduced lead times, giving rise to new Kingsway services such as KwikShip® - our fast-tracked manufacturing schedule with just an 8-week manufacturing schedule for specialist ligature-resistant doors (see more on page 38).

## Our Net Zero Goals


As key manufacturer for the behavioral healthcare sector, we recognize our responsibility to contribute towards a more sustainable future. We are proud to be collaborating with our supply chain to further reduce our impact on the environment, with an aspiration of achieving net zero emissions by 2040 to stay at the forefront of environmental wellbeing.

## FSC Chain of Custody Certification



We are pleased to hold Forest Stewardship Council® Chain of Custody Certification in the United States, ensuring the timber in our behavioral health doorsets is FSC-certified and sourced sustainably.

## New York State Office of Mental Health Guidelines



Trusted for their proven performance in the most challenging environments, our ligature-resistant products have been the preferred choice in over 10,000 risk reducing projects across the globe. We are pleased to share that a number of these products are now included in the New York State Office of Mental Health guidelines.

## Ligature-Resistant Product Showroom

Located within our Avis HQ, our Ligature-Resistant Product Showroom is always open for visits, allowing you to explore our range of de-risking solutions either in person or virtually via an online private demonstration at a time of your convenience. Scan the QR code below to request a virtual showroom tour or contact us to book an in-person visit.

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 patients and staff. To meet the wide project requirements, our SWITCH, SECLUSION, SOLO and STOW Door Systems were selected for use throughout the Trinity Building.



SOLO Door System for communal areas

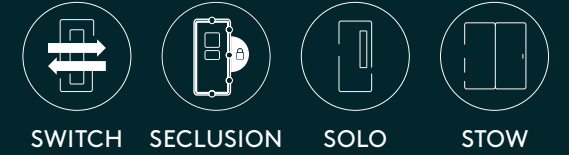


Anti-Barricade SWITCH Door Systems for bedrooms



Various finishes for the SWITCH Door Systems

## Door Systems Provided



SWITCH SECLUSION SOLO STOW

# 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 behavioral healthcare facilities, our expert team have developed an in-depth knowledge of the challenges faced and are prepared to go beyond expectations to ensure the unique requirements of your project are wholly understood and met.

## Our Proven Process

Through our project philosophy of 'Define, Design and Deliver', we offer expert guidance while 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 de-risking projects in their specialist environments.

## Define

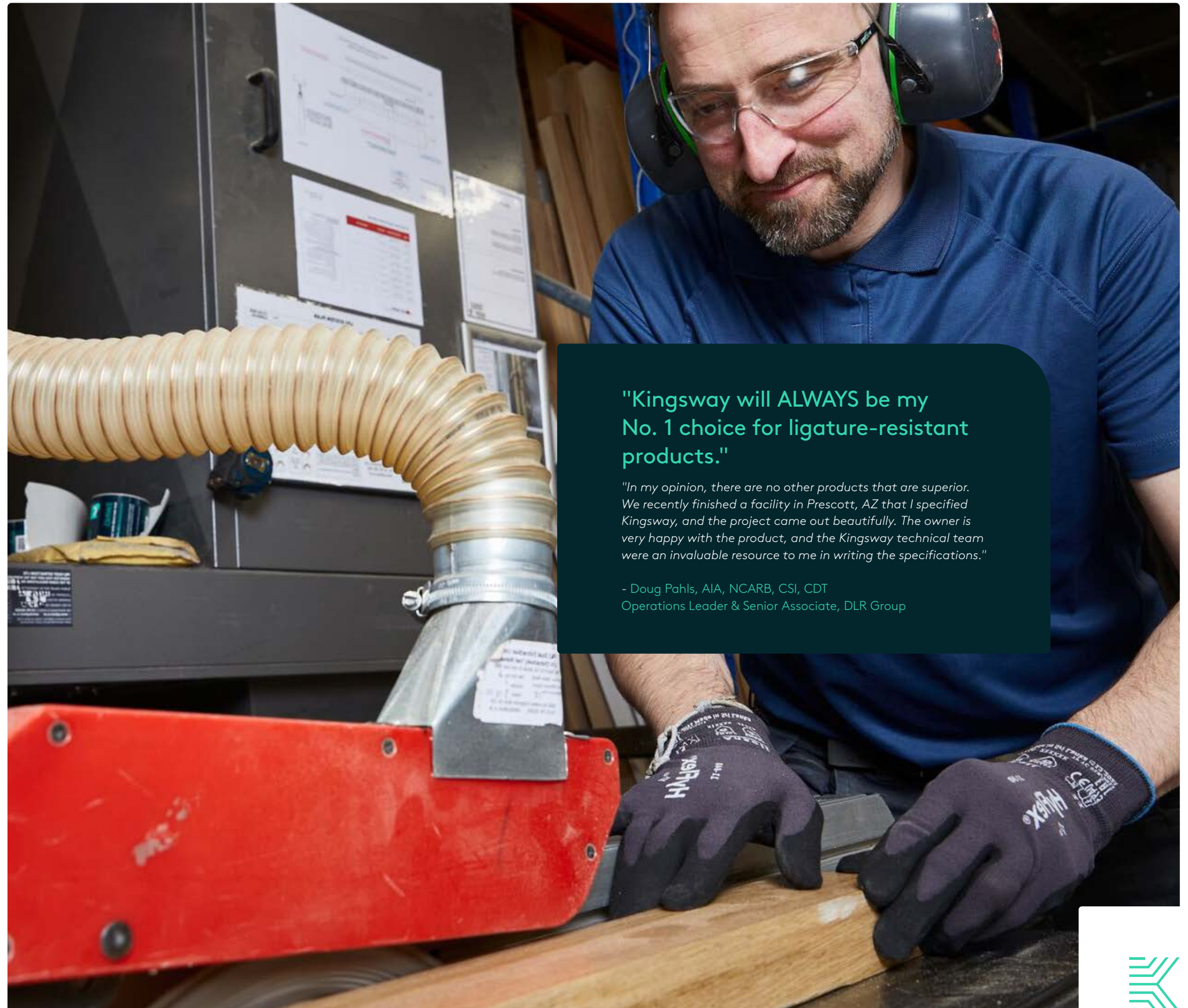
On making an inquiry with us, a Kingsway Group Project Consultant will work with you to understand and define the key objectives of your project. Your Project Consultant will provide advice and support on product selection based on our years of experience of supporting challenging environments and different patient 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 custom solutions are manufactured in our state-of-the-art production facility to exacting standards, ensuring strict project scheduling for on-time delivery.



**"Kingsway will ALWAYS be my No. 1 choice for ligature-resistant products."**

*"In my opinion, there are no other products that are superior. We recently finished a facility in Prescott, AZ that I specified Kingsway, and the project came out beautifully. The owner is very happy with the product, and the Kingsway technical team were an invaluable resource to me in writing the specifications."*

- Doug Pahls, AIA, NCARB, CSI, CDT  
Operations Leader & Senior Associate, DLR Group



## 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 to reduce risk and improve safety for both staff and patients wherever they are used.

### Ligature testing

Our Ligature-Resistant Hardware products are 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 using various materials.

### 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 UL Fire Door Certification.

### 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 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 products, we can provide products 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)



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 Door Systems were selected for the patient 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.

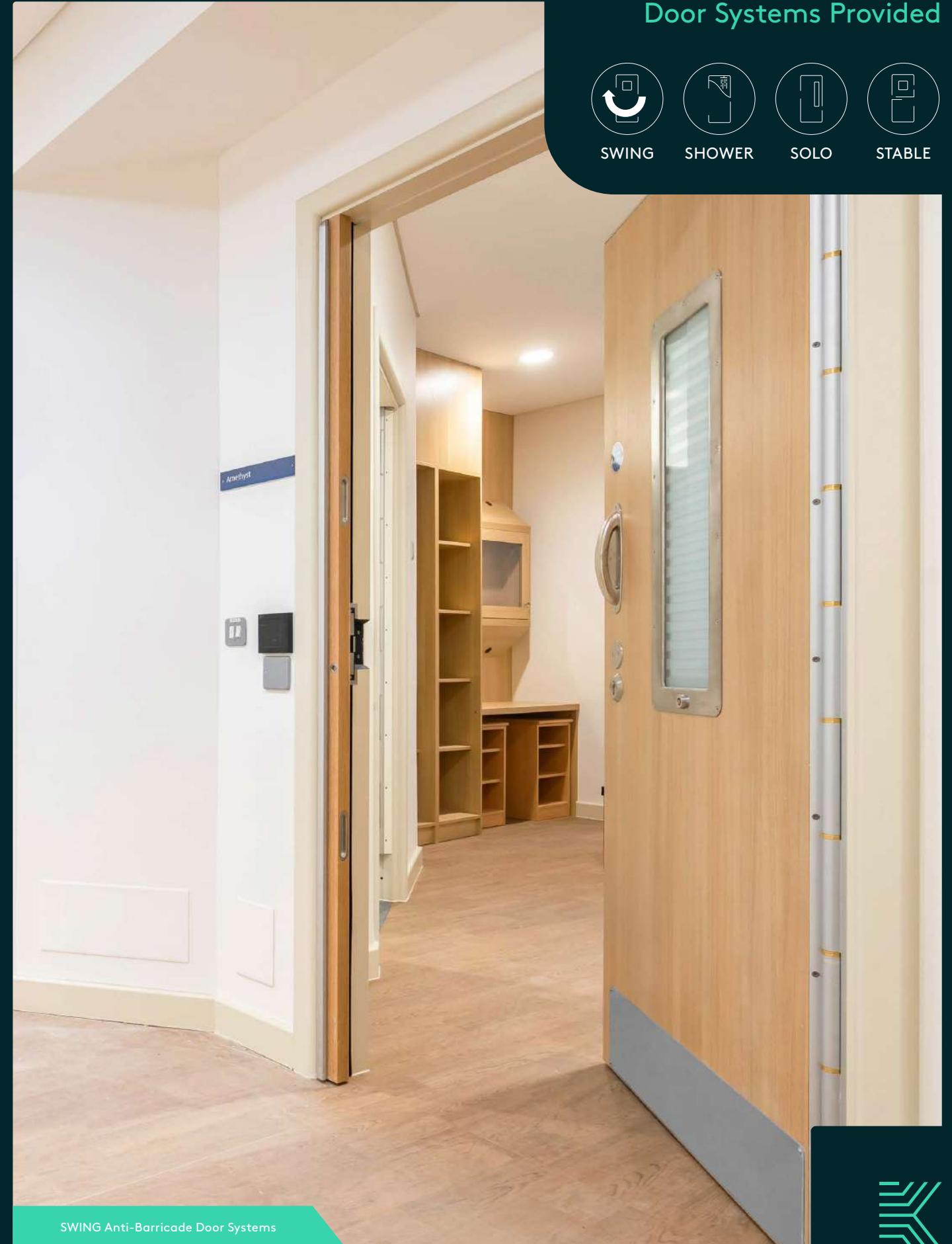
Kingsway Group and Dorset HealthCare University NHS Foundation Trust carefully considered patient interaction with the communal kitchen facilities before selecting SWING for the kitchen entrance. Fitted with an Oblong Pyrolux Vision Panel and Free Swing Ligature Resistant Closer, this solution offered a safe means for independent use of the kitchen while 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



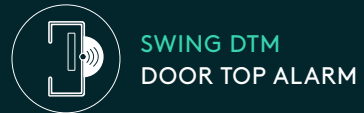
IMPROVING SAFETY & REDUCING RISK

# DOOR SYSTEMS

At Kingsway Group, we offer an extensive range of ligature-resistant and anti-barricade door systems designed to create safer spaces in behavioral health.

Proven to perform in the most challenging environments, our behavioral health door systems have been developed with input from leading psychiatric hospitals and healthcare professionals to ensure the correct solution can be found for all locations within your behavioral health facility.

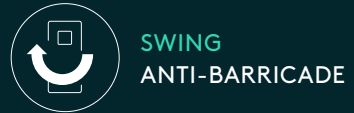
All six of our ligature-resistant door systems are designed with both the staff and patient in mind to improve safety and reduce risk, and for smooth installation and assured performance, they arrive on site pre assembled with all hardware and ligature-resistant componentry factory fitted.



**SWING DTM**  
DOOR TOP ALARM



**SWITCH**  
ANTI-BARRICADE



**SWING**  
ANTI-BARRICADE



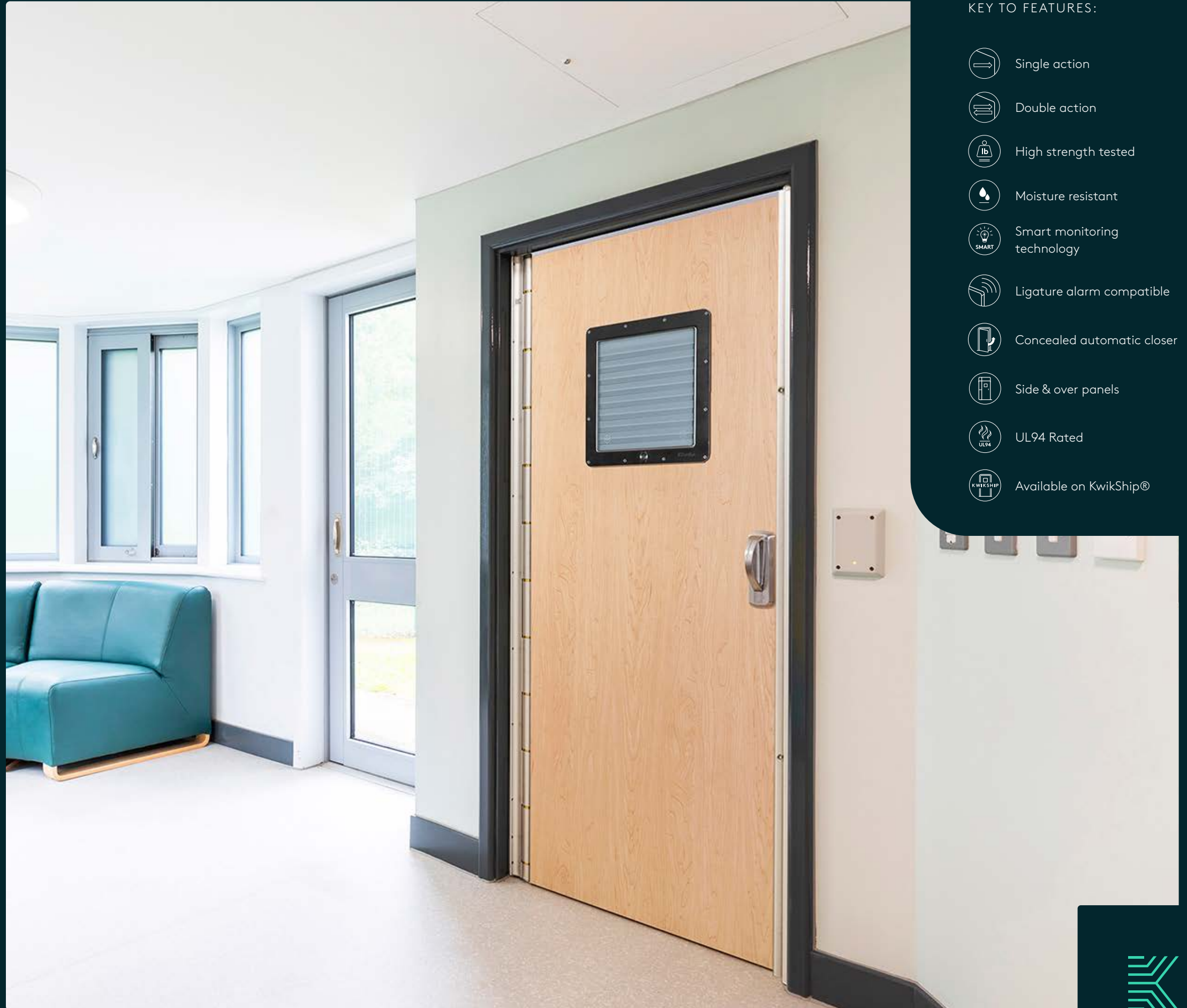
**SHOWER**  
BATHROOM



**SOLO**  
SINGLE ACTION



**SECLUSION**  
SPECIALIST



KEY TO FEATURES:

- Single action
- Double action
- High strength tested
- Moisture resistant
- Smart monitoring technology
- Ligature alarm compatible
- Concealed automatic closer
- Side & over panels
- UL94 Rated
- Available on KwikShip®



## ALARMED DOOR SYSTEM

# SWING DTM

The SWING Door Top Monitor Alarmed Door System allows swift clinical response to life-threatening incidents by detecting and alerting staff to ligature attempts at the door's top edge. With the additional benefit of anti-barricade design, the SWING DTM also allows staff to overcome patient barricade incidents in as little as 2 seconds, ensuring quick access to patient rooms during an emergency.

Hardwired and ligature-resistant by design, the SWING DTM provides the robustness and reliability demanded for an assistive clinical product within a life-critical system, helping staff to prevent loss of life in challenging environments.



## Innovative Features of the DTM



### Easy installation

Arriving on site pre-assembled and pre-tested, the SWING DTM Door System is ideal for both new build and refurbishment projects alike - complete with all ligature-resistant componentry and hardware factory fitted for simple installation and assured performance.



### Unique detection and seamless integration

The integrated ligature monitor triggers an alarm when pressure is applied to the door's top edge and will work whichever position the door is in; open or closed. Our DTM integrates with all major legacy staff attack and nurse call systems, as well as Kingsway's next-generation KOSMOS Smart Monitoring System and K-Alert Alarm Annunciation System (see page 42).



### Anti-Barricade capabilities

The SWING DTM doorset provides staff with a fast, controlled, and safe means for overcoming barricading incidents, saving invaluable seconds for clinical teams and patients in life-threatening situations.



An assistive technology helping staff prevent loss of life in behavioral health facilities.



## Technical Specifications

### Door Core Specification:

1 3/4 FORTUS Core (FSC approved tri-laminate hardwood)

### Vision Panel Options:

Duralux or Pyrolux Ranges, see page 52 for more details. For Vision Panel layouts, see page 60

### Lippings for Veneer & Laminate Facings:

Hardwood 1/2" to all four sides (concealed or exposed)

### Maximum Leaf Dimensions:

Single Leaf: 48" (w) x 84" (h)  
Leaf & a Half: 72" (w) x 84" (h)

### Available Finishes:

See page 34 for finishes and color 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:

SWING and SOLO

### Smoke Rating:

Smoke rated to UL1784: the Standard for Safety of Air Leakage Tests of Door Assemblies

## Featured Finishes

-  1485 Chrome Yellow
-  Moonstone 7872
-  8240 Liquid Glass
-  2962 Clementine
-  858 Pumice

Please see page 34 for our full range of finishes.

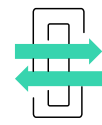


## ANTI-BARRICADE

# 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'.

Ligature resistant 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 patients during emergency situations.



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



## Technical Specifications

### Door Core Specification:

1 ¾ FORTUS Core (FSC approved tri-laminate hardwood)

### Smoke Rating:

Smoke rated to UL1784: the Standard for Safety of Air Leakage Tests of Door Assemblies

### Lippings for Veneer & Laminate Facings:

Hardwood ½" to all four sides (concealed or exposed)

### Vision Panel Options:

Duralux, or Pyrolux Ranges, see page 52 for more details. For Vision Panel layouts, see page 60

### Maximum Opening Dimensions:

Single Leaf: 48" (w) x 84" (h)  
Leaf & a Half: 72" (w) x 84" (h)

### Available Finishes:

See page 34 for finishes and color 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 Leaf Types Available:

Single Leaf  
Leaf & a Half

### Frame Types Available:

Complete Doorset with 12ga Welded Frame  
Retrofit Doorset into existing frame

## Featured Finishes

- 8858 Just Rose
- 1485 Chrome Yellow
- 6901 Vibrant Green
- 920 Almond
- 6903 Cassis

Please see page 34 for our full range of finishes.



## 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 patient 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

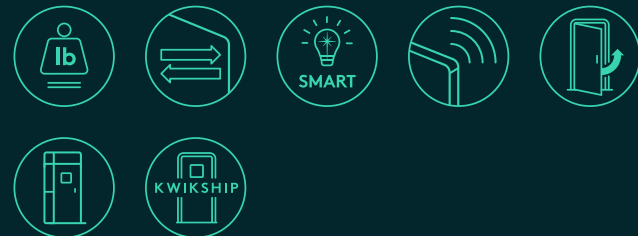
The door frame's solid rebated profile on the closing side increases strength and provides a non-institutional look.

ANTI-BARRICADE  
**SWING**

The SWING Anti-Barricade Door System allows staff to quickly gain access to service user rooms during an emergency.

Thanks to its unique 'SwingThru' Strike Plate and double-action continuous 'SwingHinge', staff can open the door outwards in as little as 2 seconds with no need to retract the lock bolt first, saving crucial seconds during life-threatening incidents.

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



**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**

In the event of a barricade, staff unlock the 'SwingStop' using the Kingsway Staff Key, allowing the door leaf to open outwards away from the barricade. This simple yet effective system allows access in as little as 2 seconds with no cumbersome override toolkits required and no need to retract the door's lock bolt first.



**SwingThru Strike Plate**

The innovative 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.



SWING provides fast overcoming of barricades in emergency situations.

**Technical Specifications**

**Door Core Specification:**

1 ¾ FORTUS Core (FSC approved tri-laminate hardwood)

**Smoke Rating:**

Smoke rated to UL1784: the Standard for Safety of Air Leakage Tests of Door Assemblies

**Door Types Available:**

Single Door, Leaf and a Half

**Vision Panel Options:**

Duralux, or Pyrolux Ranges, see page 52 for more details. For Vision Panel layouts, see page 60

**Available Finishes:**

See page 34 for finishes and color options

**Endurance Testing:**

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

**Maximum Opening Dimensions:**

Single Leaf: 48" (w) x 84" (h)  
Leaf & a Half: 72" (w) x 84" (h)

**Lippings for Veneer & Laminate Facings:**

Hardwood ½" to all four sides (concealed or exposed)

**Featured Finishes**

-  1198 Jadeite
-  8235 Solar Orange
-  8795 Matrix Blue
-  845 Spectrum Red
-  1193 Gold Braze

Please see page 34 for our full range of finishes.



**KWIKSHIP**

Available through our KwikShip® fast-tracked manufacturing schedule. See Page 38 for more info.

# SHOWER

With a therapeutic appearance and independently verified strength and ligature resistance, the new Kingsway SHOWER Door System is designed to protect patient privacy and dignity while carefully managing and reducing the safety risks present in behavioral health bathrooms.

Through extensive research and development, SHOWER's precisely shaped EnduraFlex leaf and high-strength, continuous MegaHinge system together help minimize risk in private bathrooms, successfully achieving the highest grade ligature resistance (B4) in third-party testing to the Door and Hardware Federation's TS001:2013.



## Innovative Features of SHOWER



### Supporting recovery journeys

The introduction of calming landscapes or art pieces into the ward environment can help create a more welcoming, therapeutic space to aid patient recovery journeys. SHOWER can be finished with custom imagery across the entirety of its EnduraFlex leaf to enhance the healing environment.



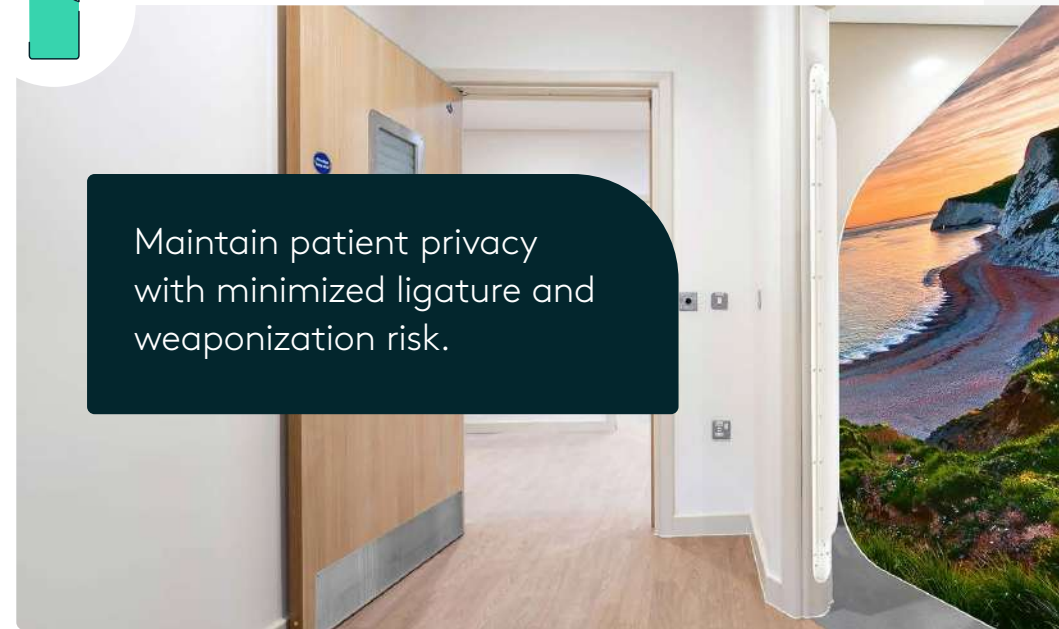
### Flexibility for clinical teams

SHOWER's innovative design provides all the benefits of a fixed solution while ensuring management teams have flexibility in controlling its use. If clinical assessment deems it necessary for a particular service user, staff can remove the leaf and securely lock the MegaHinge in under two minutes. Refitting the leaf is just as simple.



### Third-party strength testing

As a fixed-to-the-frame solution, SHOWER has undergone extensive stress testing to make sure of its strength and suitability in challenging environments. The assembly has comfortably withstood over 3kN force during third-party testing with no safety risks arising as a result of the excessive force.



Maintain patient privacy with minimized ligature and weaponization risk.

## Technical Specifications

### Door Core Specification:

25/64" EnduraFlex shatterproof polycarbonate

### Available Finishes:

Custom imagery or solid color finish. See page 34 for finishes and colour options

### Door Leaf Types Available:

Single Leaf  
Double Leaf

### Endurance Testing:

Independently stress tested to over 3kN force  
Static load rated to 800lb

### Frame Types Available:

Complete Doorset with 12ga Welded Frame  
Retrofit Doorset into existing frame

### Flammability Rating:

V1 rating to UL94 (self-extinguishing after a flame is removed with no flaming drip)

### Maximum Leaf Dimensions:

35 7/8" (w) x 66 1/8" (h)

## Featured Finishes

-  914 Marine Blue
-  1196 Purple Dye
-  8822 Denim
-  8793 Green Slate
-  8796 Algae

Please see page 34 for our full range of finishes.



**KWIKSHIP**

Available in a standard finish through our KwikShip® fast-tracked manufacturing schedule. See Page 38 for more info.

SPECIALIST

# SECLUSION

The ligature-resistant SECLUSION Door System provides our most robust solution for areas where a patient is required to be isolated in a safe environment, such as seclusion rooms and de-escalation spaces.

The doorset is flush to the inside for improved patient safety, while staff can rely on the high-strength SureLock McGill 3-point locking system for unrivaled security. A slam-lock feature further aids staff, allowing them to quickly secure the door before deadlocking for complete security.

For optimum robustness, the doorset features an impact-resistant, tri-laminate timber core secured to a hollow metal frame by a full-length continuous hinge system.



## Innovative Features of SECLUSION



### Auto-locking serving hatch

SECLUSION's auto-locking Secure Tray Hatch allows staff to communicate and pass refreshment to the service user without the risk of opening the door leaf, helping to protect clinical staff in the event of a volatile scenario.



### Safe observation

A high-strength Duralux Vision Panel allows for safe observation into the room. The panel is fitted flush to the patient side with no visible fixings and is controlled solely on the staff side.



### Durable and secure

Specially designed full-width strike plates maximize the assembly's durability, absorbing the impact of the door when closed with force. A unique threshold strip further strengthens the doorset, providing a secure anchor point for the SureLock McGill lock into the floor.



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



## Technical Specifications

### Door Core Specification:

1 3/4 FORTUS Core (FSC approved tri-laminate hardwood)

### Endurance Testing:

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

### Door Leaf Types Available:

Single Leaf

### Maximum Opening Dimensions:

48" (W) x 84" (H)

### Available Finishes:

Classic Laminate or Plastic Encapsulated (non-standard)






### Vision Panel Options:

Duralux or Pyrolux Ranges, see page 52 for more details. For Vision Panel layouts, see page 60

### Frame Types Available:

Complete Doorset with 12ga Welded Frame

## Featured Finishes

-  920 Almond
-  9684 Natural Recycled
-  912 Storm
-  8240 Liquid Glass
-  3720 White Pearl

Please see page 34 for our full range of finishes.



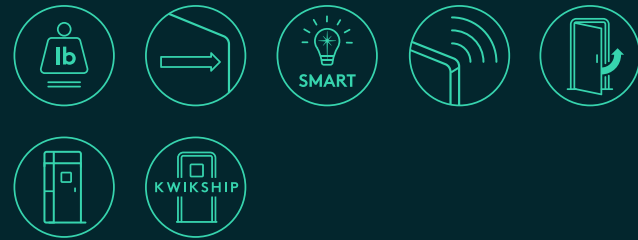
## SINGLE ACTION

# SOLO

The SOLO Door System provides a robust solution for all single action doorset requirements in a behavioral healthcare facility.

Ligature-resistant by design, SOLO is highly versatile offering many options for 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 custom combinations of door hardware, locking mechanisms, concealed transom closers, and side or over-panels to ensure the correct solution is delivered for both patients 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 behavioral 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.



Highly versatile, SOLO delivers the perfect solution for all single action doorset requirements in secure care settings.

## Technical Specifications

### Door Core Specification:

1 3/4" FORTUS Core (FSC approved tri-laminated hardwood)

### 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 1/2" to all four sides (concealed or exposed)

### Maximum Leaf Dimensions:

Single Leaf: 48" (w) x 84" (h)  
Double Leaf: 96" (w) x 84" (h)

### Available Finishes:

See page 34 for finishes and color options

### Vision Panel Options:

Duralux or Pyrolux Ranges, see page 52 for more details. For Vision Panel layouts, see page 60

### Door Leaf Types Available:

Single Leaf  
Leaf & a Half  
Double Leaf






### Frame Types Available:

Complete Doorset with 12ga Welded Frame

## KWIKSHIP

Available through our KwikShip® fast-tracked manufacturing schedule. See Page 38 for more info.

## Featured Finishes

-  839 Stop Red
-  7897 Spectrum Green
-  932 Antique White
-  3202 Otter
-  5342 Earth

Please see page 34 for our full range of finishes.





CASE STUDY

# Health Based Place of Safety at the Longley Centre, Sheffield

Opened in January 2024, the Health Based Place of Safety is a bright, modern and comfortable facility consisting of three assessment suites designed to safely support service users through moments of crisis.

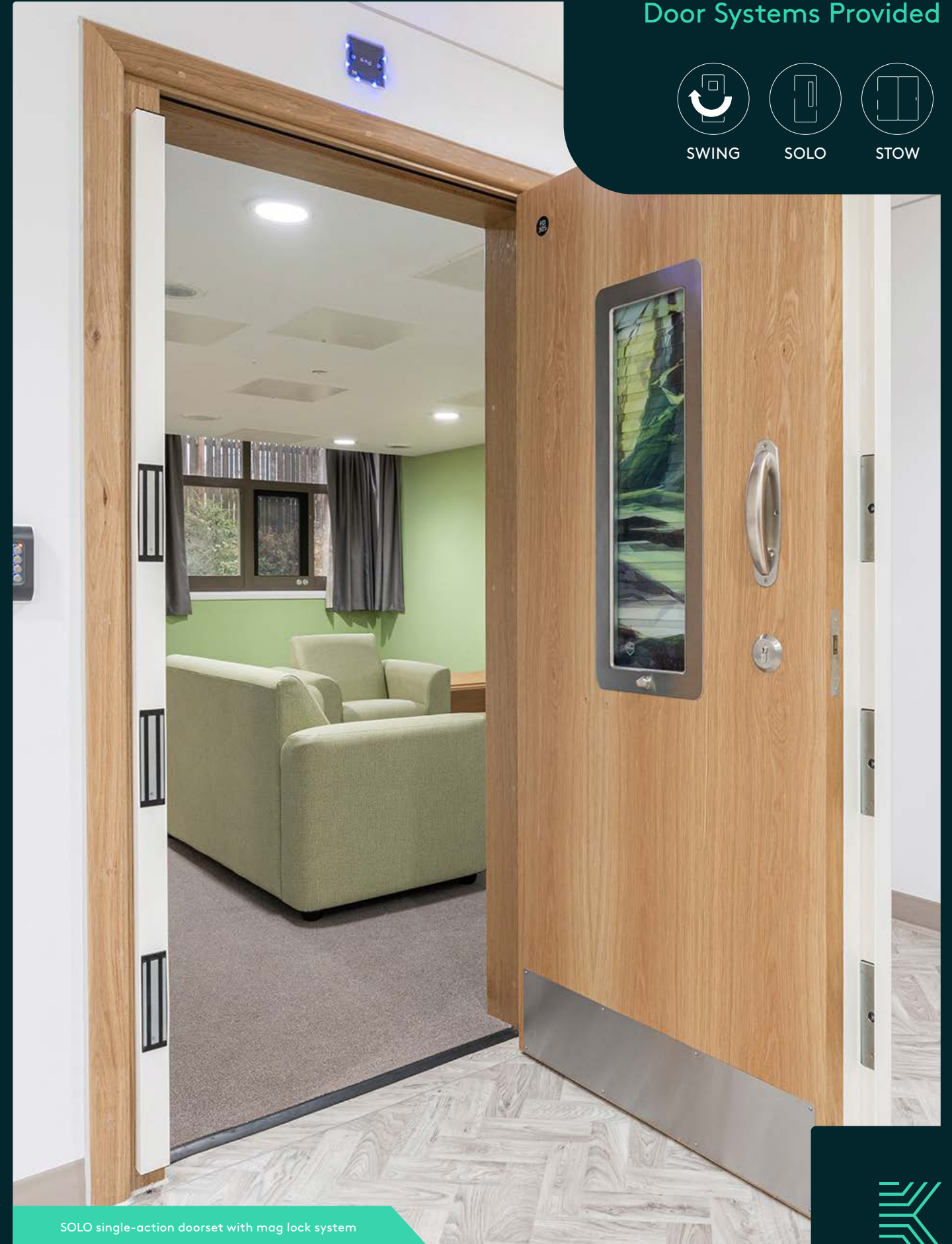
Kingsway Group were proud to provide a bespoke internal doorset package to minimise risk while contributing to a homely and calming aesthetic. Further enhancing the environment, the Duralux Vision Panels featured custom art pieces created by local landscape artist, Jill Ray, providing a continuous and therapeutic theme throughout the facility.



Customised Duralux Vision Panels



Anti-Ligature SOLO Door Systems with access control



SOLO single-action doorset with mag lock system

## Door Systems Provided



SWING



SOLO



STOW








































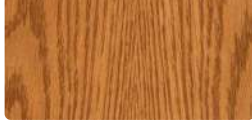


# FINISHES

While color isn't a solution to the difficulties patients face in behavioral 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.

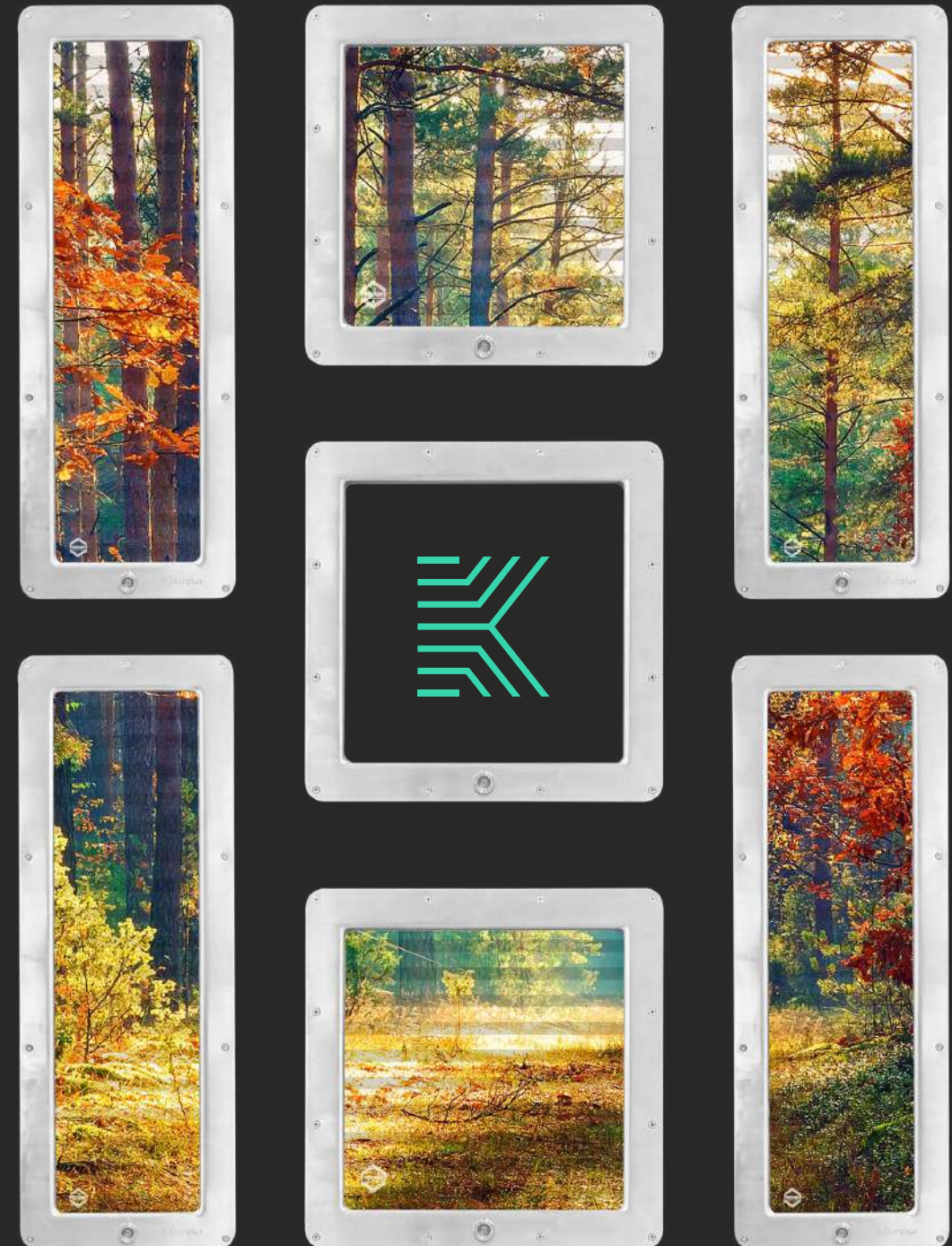


## Laminates

									
949 White	909 Black	8793 Green Slate	8792 Winter Sky	8751 Mojave	8795 Matrix Blue	8858 Just Rose	2297 Terril	2962 Clementine	920 Almond
									
934 Pearl	927 Folkstone	837 Graphite	459 Brite White	923 Surf	463 Sail White	969 Navy Blue	929 Oyster Gray	914 Marine Blue	858 Pumice
									
839 Stop Red	845 Spectrum Red	912 Storm	902 Platinum	5349 Fossil	7966 New Burgundy	2200 Dark Chocolate	2770 Sarum Grey	933 Mission White	932 Antique White
									
899 Desert Beige	961 Fog	464 Graystone	851 Spectrum Blue	928 Mouse	918 Neutral White	1485 Chrome Yellow	5323 Nocturne	1097 Citadel	5342 Earth
									
6901 Vibrant Green	6903 Cassis	7897 Spectrum Green	3202 Otter	6330 Air White	3245 Smoke	1198 Jadeite	3720 White Pearl	1193 Gold Braze	1196 Purple Dye
									
8822 Denim	9243 Zen Grey	9242 Gull Grey	9244 Classic White	9684 Natural Recycled	9685 Black Recycled	9634 Milk	7872 Moonstone	7197 Dover White	8244 Night Forest
									
8240 Liquid Glass	8796 Algae	8235 Solar Orange	8243 Night Shade	8241 Earthenware	8238 Blush				

				
AL18 Red Oak	AL18 Natural Birch	AL18 White Birch	AL18 White Maple	AL18 Cherry
				
CH18 Cherry	CH18 White Maple	CH18 White Birch	CH18 White Oak	CH18 Natural Birch
				
CL18 White Oak	CL18 Natural Birch	CL18 Walnut	CL18 White Maple	GR18 Natural Birch
				
GR18 White Oak	GR18 Walnut	OA18 Red Oak	OA18 Mahogany	OA18 Cherry
				
AL18 White Oak	AL18 Walnut	AL18 Mahogany	CH18 Red Oak	CH18 Mahogany
				
CH18 Walnut	CL18 White Birch	CL18 Mahogany	CL18 Cherry	CL18 Red Oak
				
GR18 Mahogany	GR18 Cherry	GR18 Red Oak	GR18 White Birch	GR18 White Maple
				
OA18 White Birch	OA18 White Maple	OA18 White Oak	OA18 Natural Birch	OA18 Walnut

Customizable Duralux Vision Panels,  
bringing beautiful imagery to high  
secure environments.



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

REDUCED LEAD TIMES

## Introducing KwikShip®

Introducing KwikShip® – a fast-tracked manufacturing schedule for ligature-resistant doorsets.

With just an 8-week lead time from receipt of approved Submittals to dispatch from Kingsway premises, KwikShip® provides streamlined access to specialist doorsets designed specifically for behavioral healthcare environments.



# KWIKSHIP®

COMPLETE DOOR SYSTEMS IN 8 WEEKS

SWING

SOLO

SHOWER



## Doorsets available on KwikShip®:



### SWING Anti-Barricade Door System:

Providing quick access to patient rooms in emergency situations, staff can open SWING outwards in as little as 2 seconds to overcome a barricade scenario – with no need to retract the lock bolt first. See more on page 24.



### SOLO Single Action Door System:






Offering a robust and durable solution for all single action doorset requirements within a behavioral health facility, SOLO reduces risk and improves patient safety in the most challenging environments. See more on page 30.



### SHOWER Door System:

Protecting patient privacy and dignity while minimizing risk, SHOWER offers a high-strength, non-institutional, and shatterproof solution with excellent durability in wet environments. See more on page 26.

### SWING & SOLO Finishes

-  White  
- Primed
-  White Oak  
- Real Wood Veneer
-  Red Oak  
- Real Wood Veneer
-  Maple  
- Real Wood Veneer
-  Natural Birch  
- Real Wood Veneer

### SHOWER Finishes

-  Beige  
- Colour
-  Ivory  
- Colour
-  Olive Grey  
- Colour
-  Blue  
- Colour

# KwikShip® Configurator

Streamline your procurement process and project planning with instant access to custom elevation drawings & specifications.

With the KwikShip® Configurator, you can now design your KwikShip doorset online and receive custom elevation drawings instantly.

## Simple to use

1. Follow the intuitive steps to configure your KwikShip® doorset.
2. Review your spec and submit your doorset!
3. Receive custom elevation drawings of your door within minutes.
4. We'll be in touch with your quote and once it's approved, your 8-week manufacturing schedule will begin.

## Learn more about KwikShip®



Try the Configurator for yourself at:  
[www.kingswaygroupglobal.com/kwikship](http://www.kingswaygroupglobal.com/kwikship)  
or scan the QR code.



# KOSMOS

SMART MONITORING SYSTEM

BY  Kingsway Group

## Helping you improve patient safety.

Following extensive research with many of our behavioral healthcare 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 behavioral 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 patients leaving their rooms at specific times during the night or remaining in their room more than usual.



## An assistive technology to reduce patient risk

### Early-warning indicators & room activity

KOSMOS continuously analyses live data streams to help staff identify potential signs of patient distress. Factors such as door tampering and frequent opening and closing of the door or vision panel are analyzed on a room-by-room basis and presented to staff via a live, visual representation of room activity.

This feature can help staff identify early-warning indicators that an incident may be about to occur, allowing for proactive intervention before a ligature attempt takes place. Further, the room activity display assists during staff changeover, providing a clear and visual representation of ward activity to new staff on the ward.

### Alarm triggering and door isolation

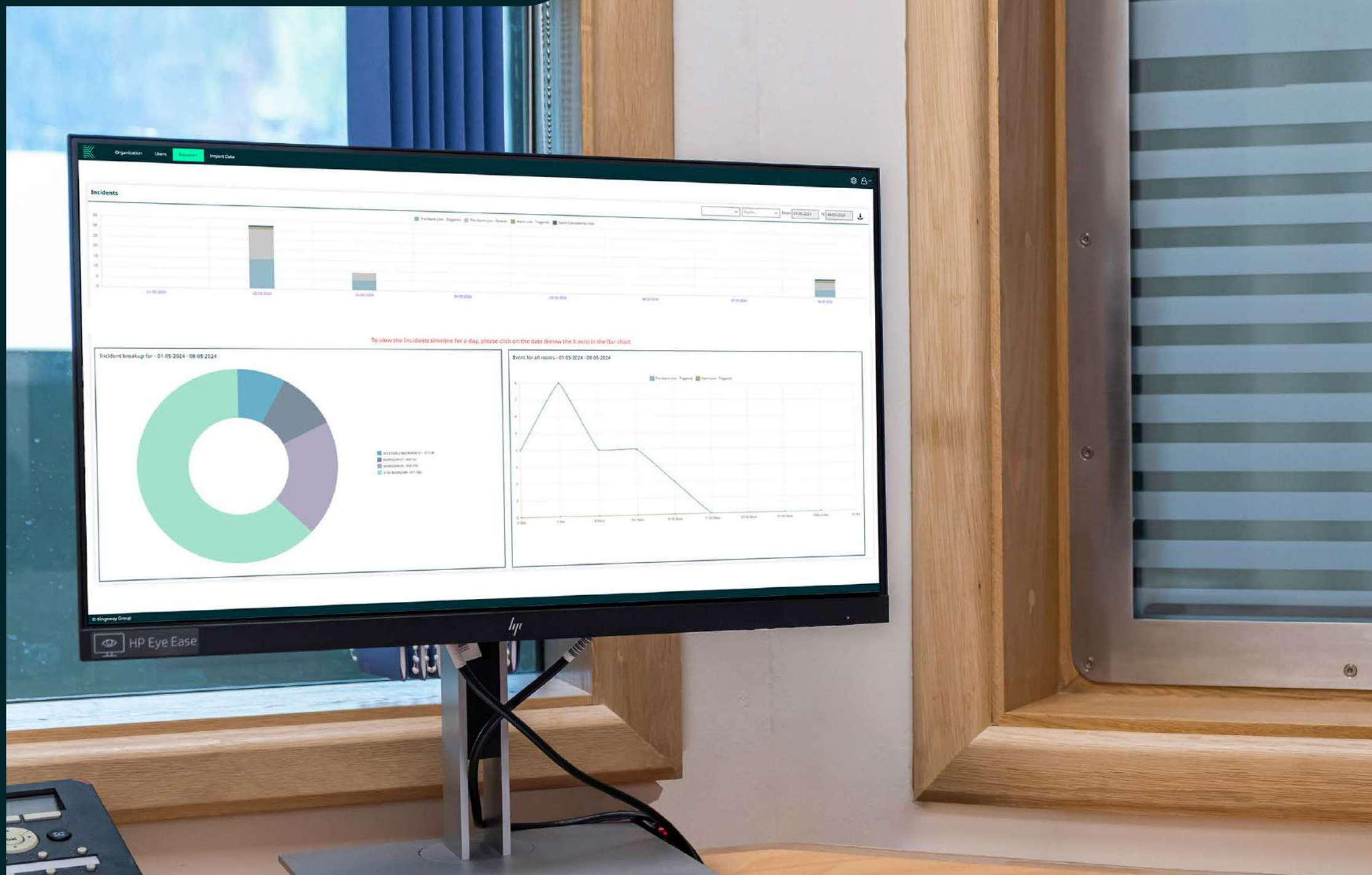
The KOSMOS interface provides live status monitoring for each ligature alarmed doorset within the ward. If a ligature is detected, the KOSMOS interface will display the exact location of the ligature incident and trigger an audible and visual alert to allow for quick clinical response.

If a ligature alarmed door has been isolated, e.g. for door maintenance purposes or if a patient is 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.

### Advanced reporting and analysis

KOSMOS' complete audit trail allows for improved reporting and analysis, providing a timestamped history of alarm activations along with door openings and vision panel activations that can help indicate when observations took place. This data, remotely accessible via the KOSMOS Cloud, can assist management teams in ensuring and documenting due diligence, as well as highlighting potential areas for concern that need to be addressed.

The next-generation ward monitoring software, supporting clinical teams in improving patient safety.



# KOSMOS

SMART MONITORING SYSTEM

BY Kingsway Group

## User friendly interface and bespoke floorplan

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

## 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, while built-in reminders let staff know when to test the alarmed doors within the ward.

## Full integration

KOSMOS seamlessly integrates with Kingsway's ligature alarmed door systems and K-Alert Alarm Annunciation System (see page 46). In addition, KOSMOS will work with all major annunciation systems, including SAS, Pinpoint and Guardian.

## 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.

## Remotely accessible, secure data via the KOSMOS Cloud

The complete audit trail of data is uploaded daily to the KOSMOS Cloud; a secure and remotely accessible online portal in which the Trust or facility can review, filter and export data.

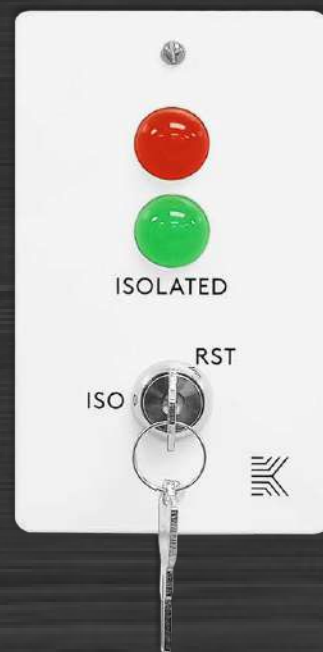
## KOSMOS training for staff

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.



# K-ALERT

With feedback from behavioral healthcare providers revealing growing safety concerns around wireless annunciation systems in live ward environments, we are pleased to now offer the hardwired K-Alert Alarm Annunciation System to work alongside your Kingsway ligature monitor alarms.



## One point of contact: Your Partner in Patient Safety

The arrival of K-Alert by Kingsway Group means that behavioral health facilities need just one point of contact for their ligature-resistant doorsets and ligature alarm annunciation system. As a tried-and-tested solution, the K-Alert Alarm Annunciation System makes sure that staff are correctly alerted when an alarm is triggered.


- State-of-the-art alarm annunciation system for use with Kingsway ligature monitors
- Clear audible and visual alert when an alarm is triggered
- Screen indicates location of alarm incident for swift clinical response
- Simple key-controlled reset and isolation functions
- Established alarm test and fault procedure
- Staff training provided by Kingsway Group
- Full integration with Kingsway's KOSMOS Smart Monitoring System (see page 42)




# SERENITY


A new Kingsway Group innovation, the SERENITY interactive panel utilizes the latest technology to support patient wellbeing in behavioral healthcare environments.





 Schedule

 Personalize


 Videos


 Check-in


 Roomscapes

 Photos

 Games

 Draw

 Music

 Lights

## An improved sense of control for patients

SERENITY's intuitive and customizable user interface allows patients to personalize their environment, providing an improved sense of control and aiding relaxation in what can be a challenging setting.

From controlling the integrated colored lighting system, to selecting their own theme and calming background sounds, SERENITY helps patients make their environment their own.

## Ensuring suitability on a case-by-case basis

SERENITY's staff-only software backend allows clinical teams to determine which features a patient will have access to, ensuring suitability on an individual basis.

## Addressing patients' privacy concerns

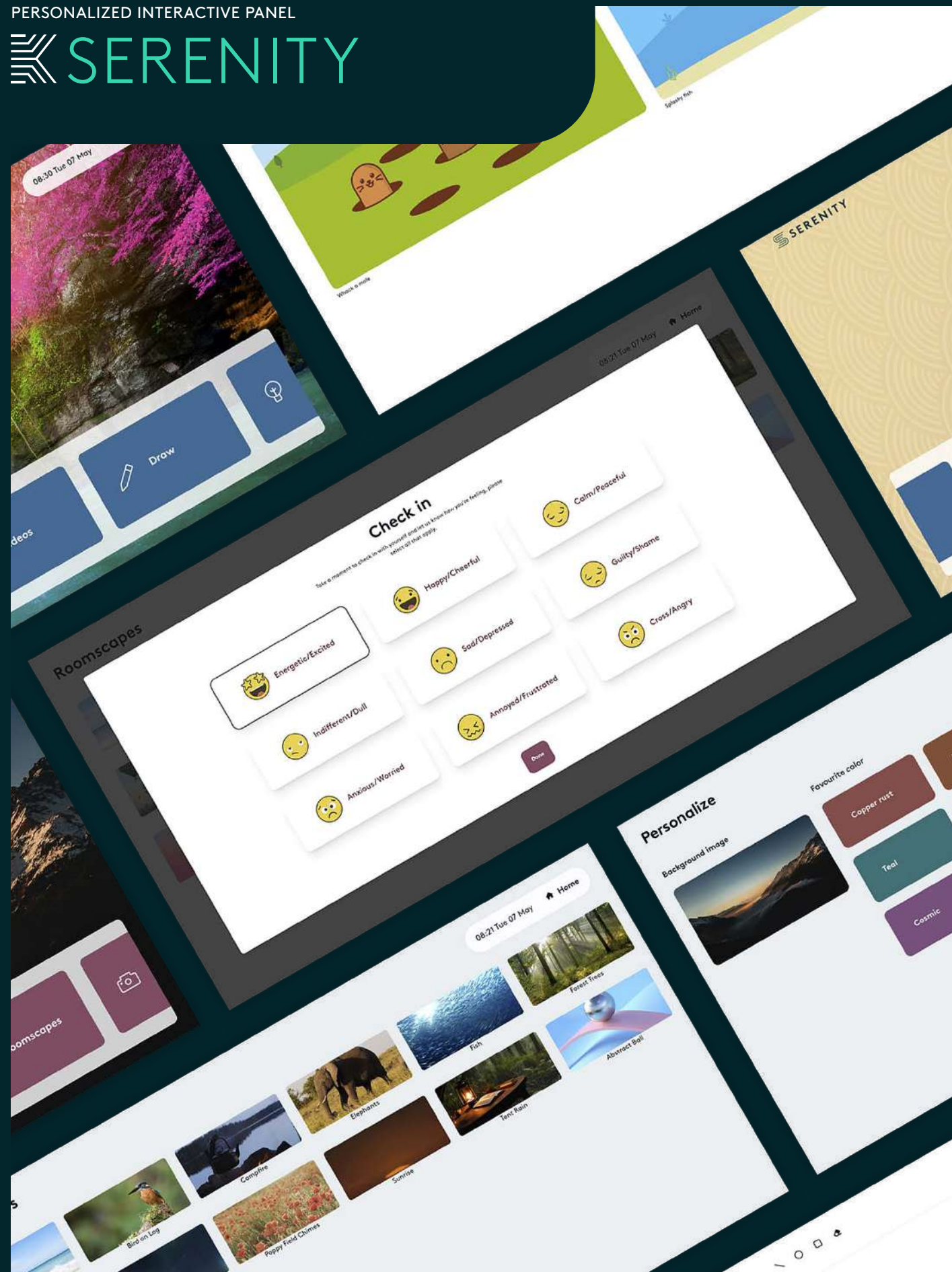
Engagement with Experts by Experience during the design process highlighted the critical need to ensure any patient privacy concerns were accounted for and addressed. For this reason, the conscious decision was made to rule out the use of cameras and/or microphones, ensuring there should be no concerns around the panel listening to or watching the user.

## Contributing to a calming, therapeutic space

Acting as a window to serene landscapes, the panel features a wide selection of 'roomscapes', introducing calming and evolving imagery to aid relaxation and de-escalation within clinical environments. The roomscene visuals are accompanied by changeable colored lighting and soothing background sounds, serving as something for the patient to focus their attention on or equally as a distraction.



Launched at  
DiMH 2024!



## Robust, ligature-resistant, yet non-institutional design

Through extensive refinement and product testing, the SERENITY panel successfully delivers an elegant and homely appearance while maintaining high-strength, ligature-resistant design. 1/2" toughened and shatterproof glass ensures safety risks are further minimized.

## Supporting, not replacing communication

SERENITY's 'Check In' feature allows the patient to select how they are feeling (at their own discretion) from a range of emotions. The feature aims to support proactive communication between the patient and clinical staff to help diffuse heightened states of emotion.

## Supporting routine and planning

An integrated schedule application assists patients with tracking and planning their days, offering a sense of ownership over their routine while helping to smooth transitions between activities. Staff can upload pdf files to the schedule application, allowing patients to receive information.

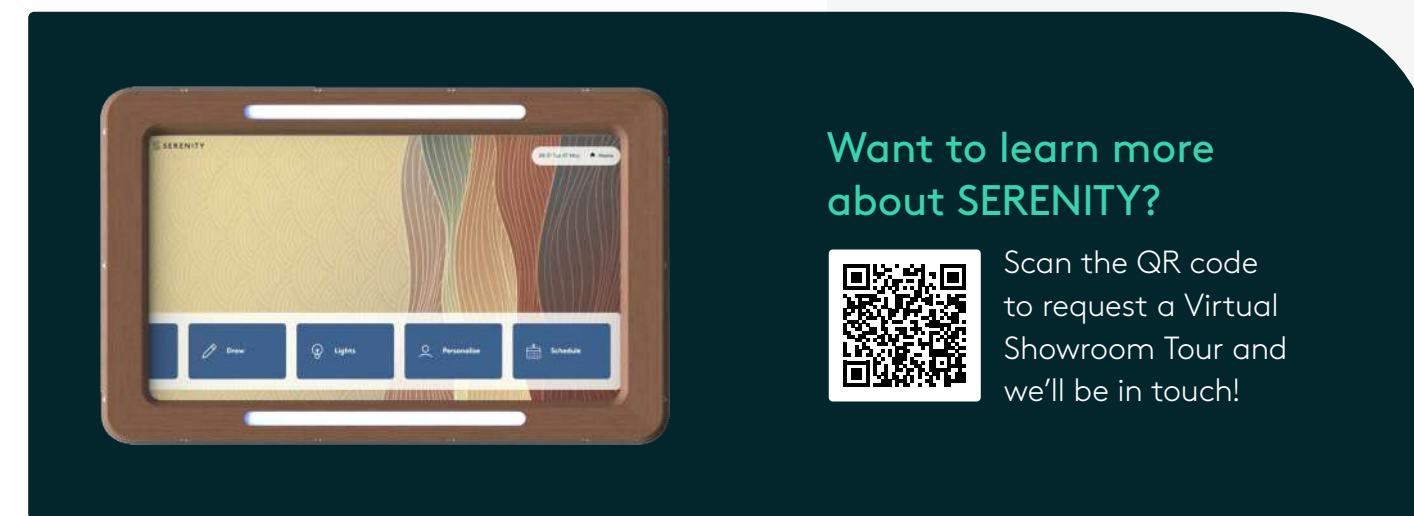
## Safe entertainment in a clinical environment

A selection of interactive games and an intuitive drawing application provide light forms of entertainment while encouraging creativity, something which can help towards expressing or processing emotions in a positive manner.



## Technical Specifications

- 1/2" Toughened Glass
- Hardwood surround with selection of finishes
- 32" Display
- Dimensions: 29 1/2" x 17 3/4"
- Horizontal orientation
- Integrated lighting system
- Integrated speaker
- Ingress protection IP64
- Bespoke SERENITY Software



## Want to learn more about SERENITY?



Scan the QR code to request a Virtual Showroom Tour and we'll be in touch!

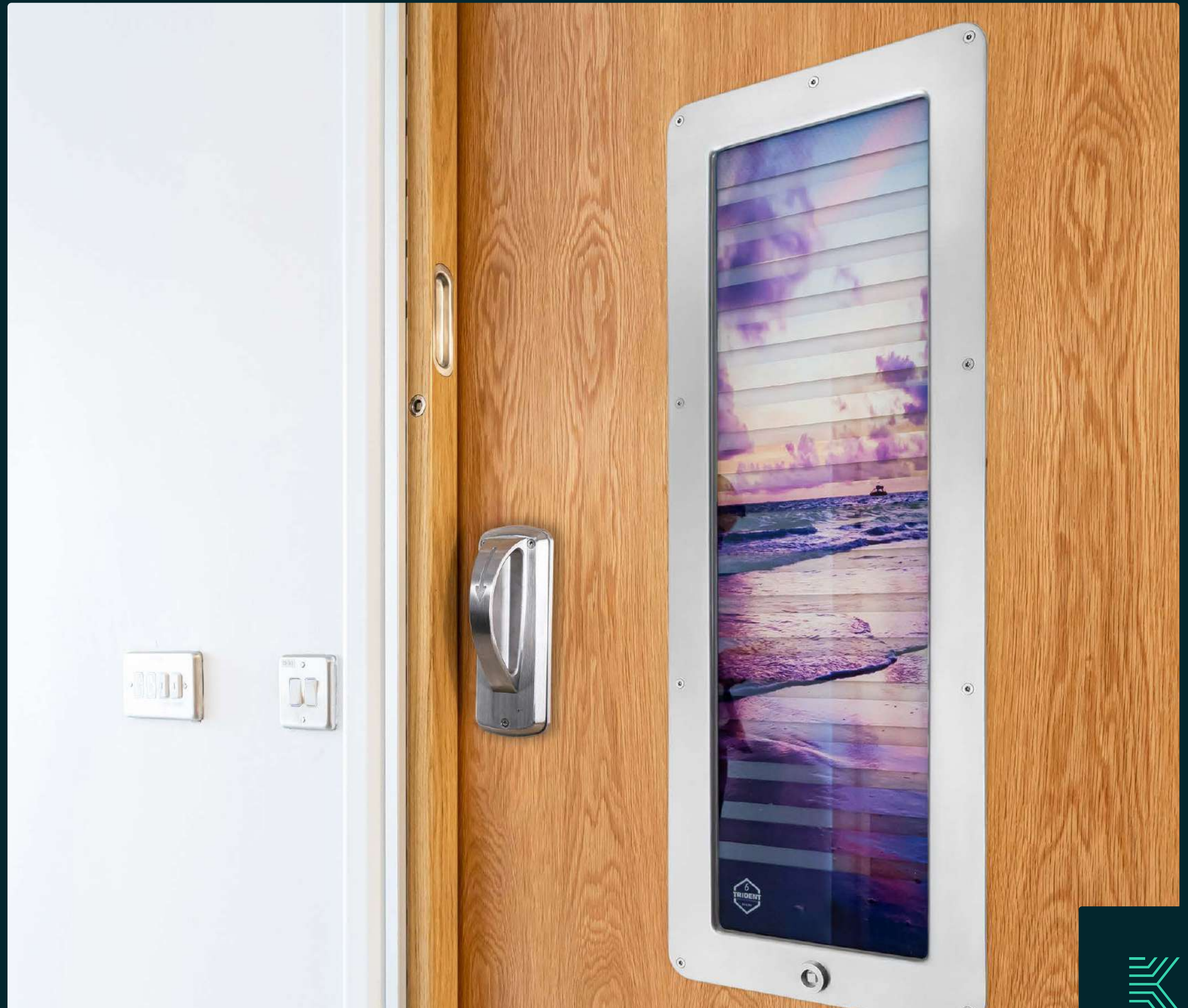
CUSTOMIZABLE

# VISION PANELS

Our range of double-sided Vision Panels offer observation solutions for the most challenging behavioral health environments.

From our Duralux Secure Vision Panel - the most trusted observation solution for US facilities - to our Pyrolux Clear Glazed Vision Panel, an observation solution is available for low through to high secure behavioral health facilities.

As part of our commitment to helping deliver less institutional spaces, our range of vision panels offer extensive customization and personalization possibilities. From custom imagery to a wide choice of colored finishes, our Vision Panels help contribute to the healing environment while providing the robustness and durability demanded.



DURALUX

PYROLUX



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 and high-strength Trident attack-resistant glazing with a unique control mechanism, the Duralux is quickly becoming established as the most trusted patient observation solution in the US.



## Key features

- High-Strength Design
- Stainless Steel Fascia
- Attack-Resistant Glazing
- UL1784 Rated
- Lifetime Guarantee

## Sizing options

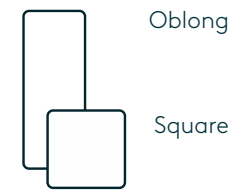
Duralux is available in a choice of square and oblong sizing options as standard with custom sizing options where required.

### Oblong standard sizing:

D8200 5" x 28"  
D8400 10" x 32"

### Square standard sizing:

D4400 16" x 16"



### 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:

- Key Control & Thumb Turn
- Key Control to both sides
- Thumb Turn to both sides
- Key Control to one side only
- Thumb Turn to one side only



## Technical Specifications

### Glazing:

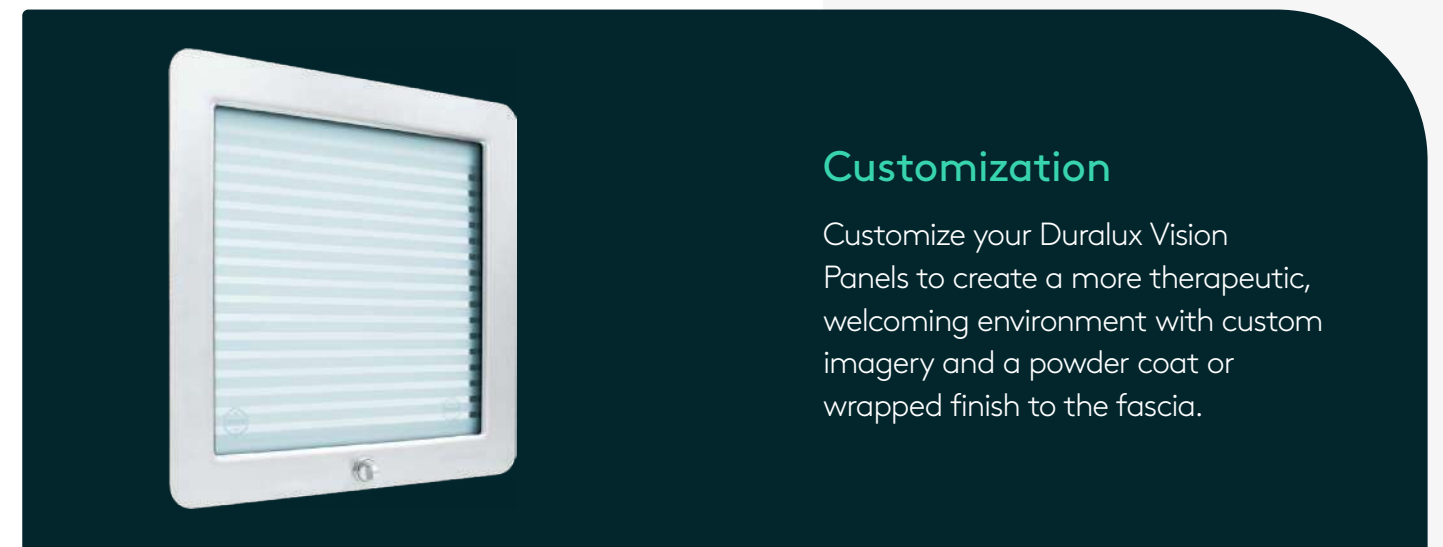
Patient Side: Trident 3/4" attack-resistant glazing  
Corridor Side: Trident 3/8" attack-resistant glazing  
Center Panel: 1/8" polycarbonate

### Endurance Testing:

Glazing certified to attack resistance standard EN356 P1A

### Smoke Rating:

Smoke rated to UL1784: the Standard for Safety of Air Leakage Tests of Door Assemblies



## Customization

Customize your Duralux Vision Panels to create a more therapeutic, welcoming environment with custom imagery and a powder coat or wrapped finish to the fascia.

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 patient consultation throughout.

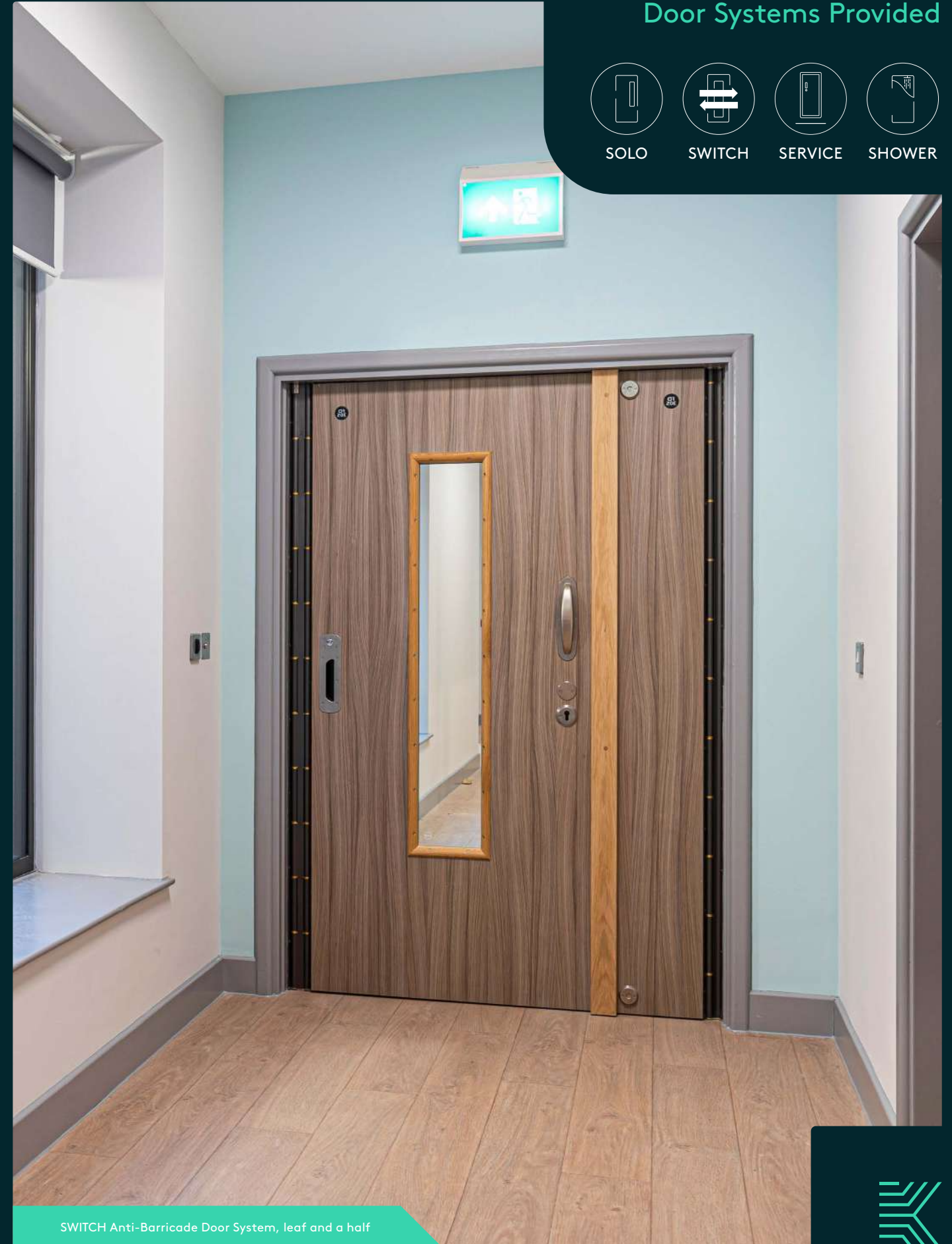
Kingsway Group helped our Trust partner improve patient safety with a custom Anti-Barricade Door System for the patient bedrooms designed specifically for CAHMS in collaboration with project architects Gilling Dodd. Kingsway Group's SWITCH, SOLO, SHOWER, and SERVICE Door Systems were also selected to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



SWITCH Anti-Barricade Door Systems



Custom Anti-Barricade LUMOS Door System



SWITCH Anti-Barricade Door System, leaf and a half

## Door Systems Provided

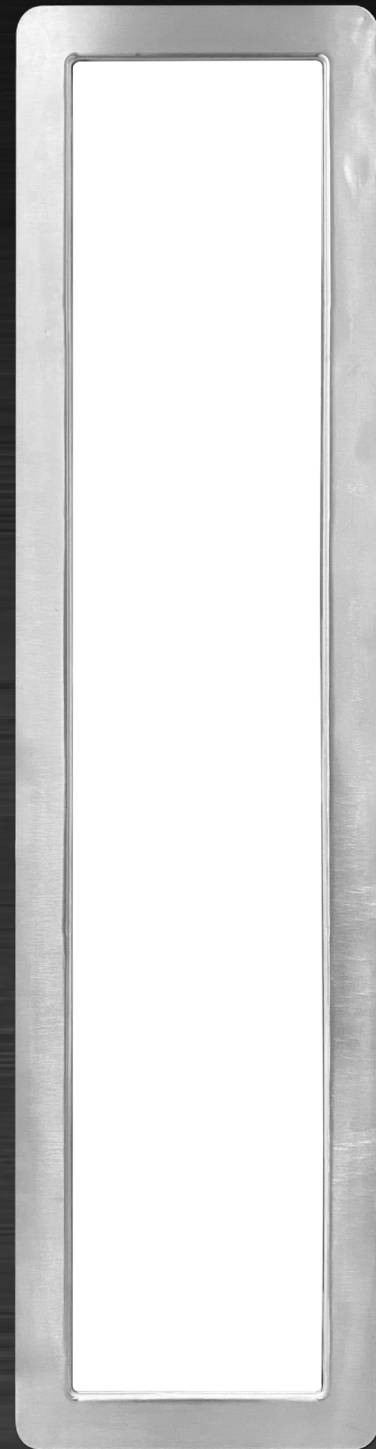
-  SOLO
-  SWITCH
-  SERVICE
-  SHOWER



CLEAR-GLAZED SECURE VISION PANEL

# PYROLUX

Designed for use in the most challenging behavioral health environments, Pyrolux vision panels combine two layers of Trident attack-resistant glazing with highly durable, pressed stainless steel fascia for lasting performance.



## Key features

- High-Strength Design
- Stainless Steel Fascia
- Attack-Resistant Glazing
- UL1784 Rated

## Sizing options

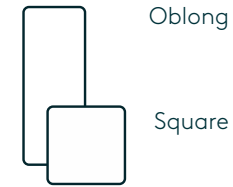
Pyrolux is available in a choice of square and oblong sizing options to meet your requirements:

### Oblong standard sizing:

- P5020 5" x 17"
- P8020 5" x 29"
- P8050 17" x 29"
- P1300 10" x 51"

### Square standard sizing:

- P5050 17" x 17"



## Design options

Pyrolux is available with a customizable powder coat or wrapped finish to the fascia to help suit the aesthetics of your healthcare environment.



## Technical Specifications

### Glazing:

2x layers of Trident 3/4" Glazing

### Endurance Testing:

Glazing certified to attack resistance standard EN356 P1A

### Smoke Rating:

Smoke rated to UL1784: the Standard for Safety of Air Leakage Tests of Door Assemblies

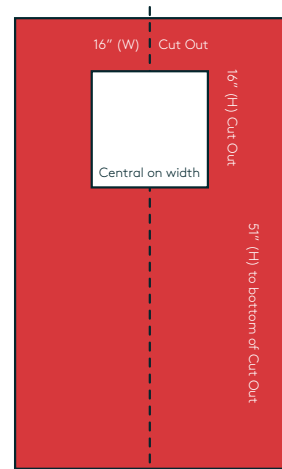


The ultimate clear-glazed, customizable vision panel for behavioral health environments.

# VISION PANEL LAYOUTS

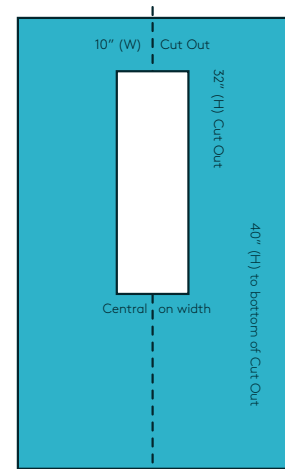
## Duralux Privacy Vision Panel Positions:

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



**Model Numbers:**  
D4400, D4401, D4402, D4403, D4404

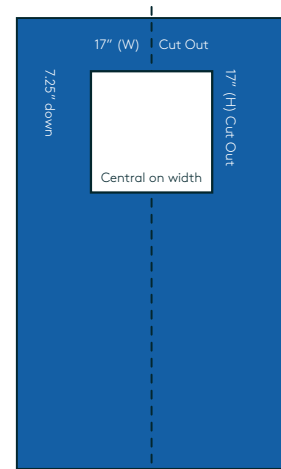
**Oblong**



**Model Numbers:**  
D8200, D8400, D8401, D8402, D8403, D8404

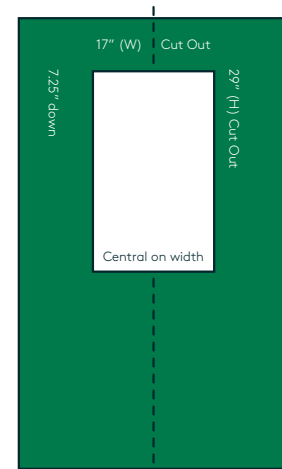
## Pyrolux Clear Vision Panel Positions:

**Square**



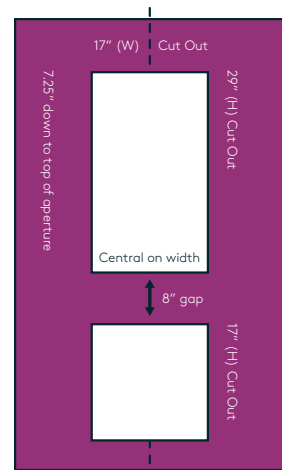
**Model Numbers:**  
P5050

**Oblong**

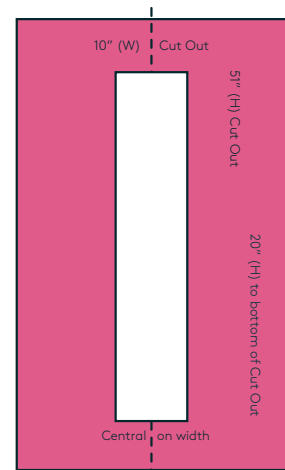


**Model Numbers:**  
P8050

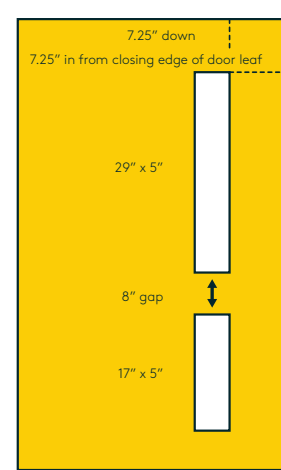
## Pyrolux Clear Vision Panel Positions:



**Model Numbers:**  
P8050 – Upper VP  
P5050 – Lower VP



**Model Numbers:**  
P1300



**Model Numbers:**  
P8020 - Upper VP  
P5020 - Lower VP

# KOSMOS

SMART MONITORING SYSTEM

Assisting staff through smart technology.



See more on page 42 or visit:  
[kingswaygroupglobal.com/kosmos](https://kingswaygroupglobal.com/kosmos)

INNOVATIVE LIGATURE RESISTANT

# HARDWARE

Our range of ligature-resistant hardware and ancillary products are designed to improve the safety of both staff and patients within the most challenging behavioral health environments.

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

Our ligature resistant hardware products combine elegant design with functional performance to help contribute to the therapeutic environment while reducing risk.

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



DOOR & CABINET HANDLES

HATCHES & ACCESS PANELS

HOOKS & DOOR STOPS





# HANDLES

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



## KG30 Easy Grip Ligature-Resistant Pull Handle (on Back Plate)

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

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



## KG31 Easy Grip Ligature-Resistant Pull Handle (Bolt Fixed)

A compact ligature-resistant handle with an elegant appearance to help create a modern environment, designed to give excellent grip while remaining safe for installation in all patient group areas.

**More info:**  
[kingswaygroupglobal.com/kg31](https://kingswaygroupglobal.com/kg31)



## KG40 Ergo Grip Ligature-Resistant Handle (on Back Plate)

A stylish and modern ligature-resistant 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)





### KG41 Ergo Grip Ligature-Resistant Handle (Bolt Fixed)

A stylish and modern ligature-resistant pull handle that offers excellent grip. It is supplied as a bolt fixed handle to be fitted with a KG40 on the other side of the door, or to be used on its own on cupboard or riser doors.

**More info:**  
[kingswaygroupglobal.com/kg41](https://kingswaygroupglobal.com/kg41)



### KG80 Recessed Pull Handle

A ligature-resistant 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 Classic Grip Ligature-Resistant Handle (on Back Plate)

A solid ligature-resistant 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)



### KG32 Easy Grip Ligature-Resistant Pull Cabinet Handle

Designed to reduce the risk of patient self harm, the Easy Grip Cabinet Pull Handle offers a modern appearance with excellent grip, all while remaining safe for installation in all user group areas.

**More info & dimensions:**  
[kingswaygroupglobal.com/kg32](https://kingswaygroupglobal.com/kg32)



### KG61 Classic Grip Ligature-Resistant Pull Handle (Bolt Fixed)

A solid bolt-fixed ligature-resistant handle with a large finger grip area to aid those with impaired manual dexterity. It is shaped to resist ligature attachment and designed for better infection control.

**More info:**  
[kingswaygroupglobal.com/kg61](https://kingswaygroupglobal.com/kg61)



### KG62 Classic Grip Ligature-Resistant Cabinet Pull Handle

A smaller version of the Classic Grip Pull Handle, the cabinet version offers a solid and robust handle solution for cabinet furniture where ligature-resistant design is required.

**More info:**  
[kingswaygroupglobal.com/kg62](https://kingswaygroupglobal.com/kg62)



PRODUCTS

# 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 Ligature-Resistant Wall Mounted Rotating Food Hatch

A wall mounted ligature resistant food hatch with a rotating unit to provide a secure food serving solution, capable of allowing 8 <sup>21</sup>/<sub>32</sub>" 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)



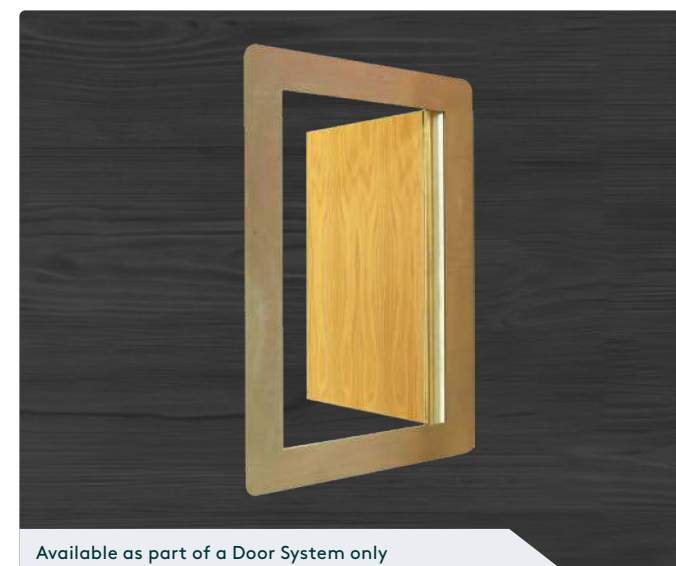
## KG165 Secure Food Hatch With 3-Point Lock

A high-secure, auto-locking hatch fitted to doors to provide a secure tray serving solution without needing to open the door. It can allow 14 <sup>23</sup>/<sub>32</sub>" 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 Door System only



## KG167 Clinic Room Hatch

A secure hatch fitted to doors to provide a safe solution for the dispensing of medications without the need to open the entire door leaf. The hatch 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/kg167](https://kingswaygroupglobal.com/kg167)



Available as part of a Door System only



Available as part of a 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)



## KG360 Wall Mount Access Panels

The KG360 series of secure wall mounted ligature resistant access panels allow for ease of access and operation while protecting against abuse and patient self-harm. Available in a range of sizes from 12x12" to 24x24"

**More info:**  
[kingswaygroupglobal.com/kg360](https://kingswaygroupglobal.com/kg360)



### PRODUCTS

# HOOKS & DOOR STOPS

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





## KG177 Ligature-Resistant Dual Coat Hook Rack

A ligature resistant dual coat hook rack housed in a stainless steel surround with low load release threshold hooks 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 colors:**  
Black, Blue, Cream, Grey, Beige

**More info:**  
[kingswaygroupglobal.com/kg177](https://kingswaygroupglobal.com/kg177)



## KG178 Ligature-Resistant Quad Coat Hook Rack

A ligature-resistant coat hook rack suitable for patient areas featuring four flexible rubber hooks with low load release thresholds housed in a stainless steel surround. 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 colors:**  
Black, Blue, Cream, Grey, Beige

**More info:**  
[kingswaygroupglobal.com/kg178](https://kingswaygroupglobal.com/kg178)



## KG180 Ligature-Resistant Single Coat Hook

A single ligature-resistant coat hook housed in a stainless steel surround 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 colors:**  
Black, Blue, Cream, Grey, Beige

**More info:**  
[kingswaygroupglobal.com/kg180](https://kingswaygroupglobal.com/kg180)



## KG181 Ligature-Resistant Door Stop Floor Mounted

A ligature-resistant 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 Ligature-Resistant 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 while being ligature-resistant by design.

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

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



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

A solid high-pressure domed rubber door stop with stainless steel 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)





### KG186 Ligature-Resistant Extended Large Rubber Door Stop Wall Mounted On Back Plate

Ligature-resistant by design, the extended rubber door stop provides maximum clearance where large items of ironmongery are used to protect your door systems and surrounding surfaces from causing damage to each other. The durable rubber is secured to a stainless steel back plate for optimum performance.

**More info:**  
[kingswaygroupglobal.com/kg186](https://kingswaygroupglobal.com/kg186)



### KG187 Flat Face Floor Door Stop

The Flat Face Floor Door Stop delivers robust performance and ligature-resistant design with a non-institutional appearance. Manufactured from cast aluminum with a durable rubber stop, the KG187 provides full support to the door leaf and prevents over-extension or impacts with adjacent walls. It is compatible with our Door Top Monitor Alarmed Doors, offering the perfect protective solution and reducing the risk of product damage.

**More info:**  
[kingswaygroupglobal.com/kg187](https://kingswaygroupglobal.com/kg187)



# DOOR TOP MONITOR

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



See more on page 20 or visit:  
[kingswaygroupglobal.com/door-top-monitor](https://kingswaygroupglobal.com/door-top-monitor)

# WALL MOUNTED SEAT

A unique product within the market, the Wall Mounted Seat by Kingsway provides the ultimate solution for patient safety in shower rooms and communal spaces.

Ligature-resistant by design and rated to 800lb, the multipurpose seat delivers exceptional strength while ensuring simple infection control in wet areas through anti-microbial materials and wipe-clean surfaces.



## A high-strength, hygienic and safe seating solution

Providing a secure and ligature-resistant solution for supporting patients in need, the Wall Mounted Seat helps create safer spaces in challenging environments.

- High-strength rated to 800lbs
- Anti-microbial: tested to ISO 22196:2011
- Ligature-resistant by design
- Improves patient safety
- Suitable for wet environments
- Simple to install
- Multipurpose

Through considered design, the Wall Seat delivers versatile performance and is perfectly suited to wet environments such as patient shower facilities with a textured surface to increase grip.

Durable, anti-microbial materials simplify infection control ensuring an easily maintained and hygienic solution for behavioral health facilities while reducing the risk of ligature attempts.

### Anti-Microbial



S.aureus:

Over  
**99.8%**  
effective

E.coli:

Over  
**99.9%**  
effective

LIGATURE RESISTANT

# WASHROOM ACCESSORIES

As a high-risk area, washrooms in behavioral health facilities require careful consideration when planning and designing.

Our range of ligature-resistant washroom products help increase patient safety within these areas by reducing the ligature risks present.

Delivering high-strength, durable performance, our ligature-resistant Division 10 product range consists of dispensers & holders, mirrors, shelving, and supportive rails to assist the most vulnerable service users in washroom areas.

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



As Your Partner in Patient Safety, we're pleased to offer a Price Match Guarantee on our ligature-resistant Division 10 Washroom products.

As a commitment to advancing design for behavioral healthcare environments, if you find a cheaper product of equivalent quality and purpose, we'll refund you the difference. Full full terms, please visit [www.kingswaygroupglobal.com/price-match](http://www.kingswaygroupglobal.com/price-match).

DISPENSERS & HOLDERS

ANCILLARY PRODUCTS

GRAB BARS & HAND RAILS





LIGATURE-RESISTANT

# SOAP DISPENSERS

Manufactured from 316 grade stainless steel for maximum strength and corrosion resistance, our ligature-resistant soap dispensers offer a safe and durable solution to hand sanitization in patient accessible washrooms.

- Ligature-resistant by design
- Proven durability
- Abuse-resistant
- Grade 316 stainless steel for maximum corrosion resistance
- Anti-tamper fixings
- Surface mounted & recessed options
- 3-Year Guarantee as standard



Powder coating finishes available

## KG07 Ligature-Resistant Manual Soap Dispenser (Surface Mounted)

A surface-mounted, ligature-resistant soap dispenser featuring a refillable soap reservoir. (Soap refills not included – we recommend the GOJO 1847-04 liquid soap refill)

**More info & dimensions:**  
[kingswaygroupglobal.com/kg07](https://kingswaygroupglobal.com/kg07)



Powder coating finishes available

## KG08 Ligature-Resistant Manual Soap Dispenser Gojo LTX Compatible (Surface Mounted)

A manually operated, ligature-resistant liquid soap dispenser compatible with GOJO soap refills, providing a hygienic, safe, and durable solution to hand sanitization in patient accessible washrooms. (Soap refills not included – compatible with GOJO LTX-12 1200ml refill cartridges)

**More info & dimensions:**  
[kingswaygroupglobal.com/kg08](https://kingswaygroupglobal.com/kg08)

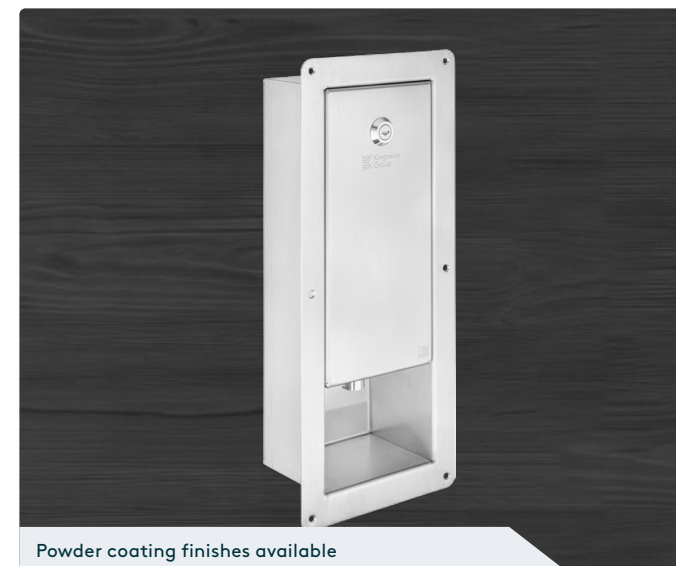


Powder coating finishes available

## KG09 Ligature-Resistant Manual Soap Dispenser Gojo FMX Compatible (Surface Mounted)

A manually operated foam soap dispenser designed to accommodate GOJO FMX-1250ml refill cartridges. Ligature resistant by design, the unit dispenses foam soap when the button is pressed on the bottom of the dispenser. (Soap refills not included – we recommend the GOJO FMX-1250 refill cartridge)

**More info & dimensions:**  
[kingswaygroupglobal.com/kg09](https://kingswaygroupglobal.com/kg09)



Powder coating finishes available

## KG18 Ligature-Resistant Soap Dispenser Gojo LTX Compatible (Recessed)

A recessed ligature-resistant soap dispenser manufactured from 316 grade stainless steel, compatible with GOJO soap refill cartridges. Soap dispenses from the manually operated unit to provide a hygienic and safe solution to hand sanitization in patient accessible washrooms. (Soap refills not included – we recommend the GOJO LTX-12 1200ml refill cartridge)

**More info & dimensions:**  
[kingswaygroupglobal.com/kg18](https://kingswaygroupglobal.com/kg18)



LIGATURE-RESISTANT

# PAPER TOWEL & TOILET TISSUE DISPENSERS

Highly durable and designed for safe use in patient areas, our paper towel and toilet tissue dispensers offer the ultimate solution for washrooms in behavioral health environments where safety is of the utmost importance.

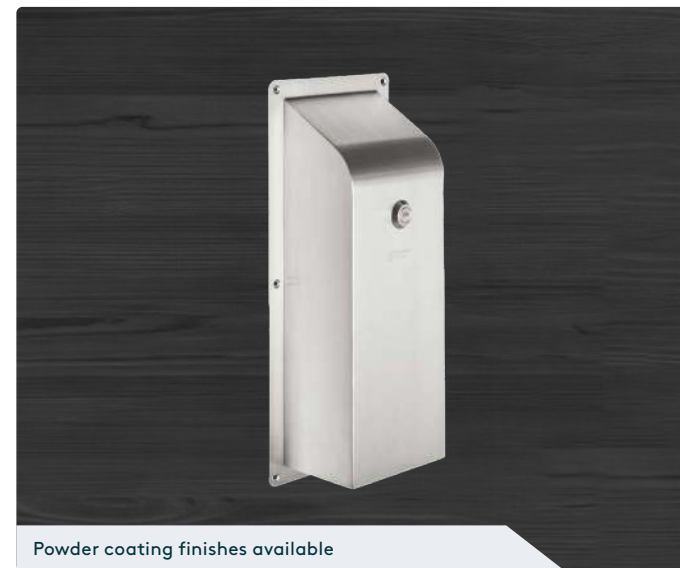
- Ligature-resistant by design
- Proven durability
- Abuse-resistant
- Grade 316 stainless steel for maximum corrosion resistance
- Anti-tamper fixings
- Surface mounted & Recessed options
- 3-Year Guarantee as standard



## KG11 Ligature-Resistant Paper Towel Dispenser (Recessed)

A recessed paper towel dispenser designed specifically for use in patient areas. The high-strength unit features a lockable front that opens to allow multi-fold paper towels to be inserted.

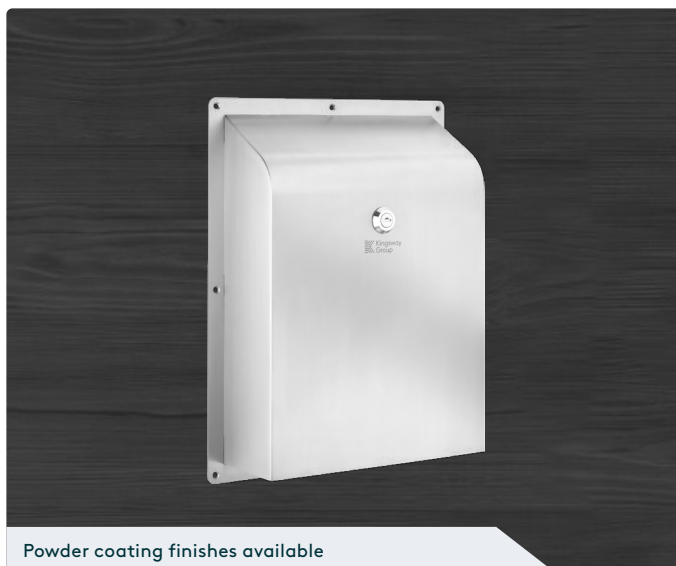
**More info & dimensions:**  
[kingswaygroupglobal.com/kg11](https://kingswaygroupglobal.com/kg11)



## KG01 Ligature-Resistant Toilet Tissue Dispenser (Surface Mounted)

A secure-locking toilet tissue dispenser for use in patient accessible washrooms, offering high-strength performance and exceptional durability.

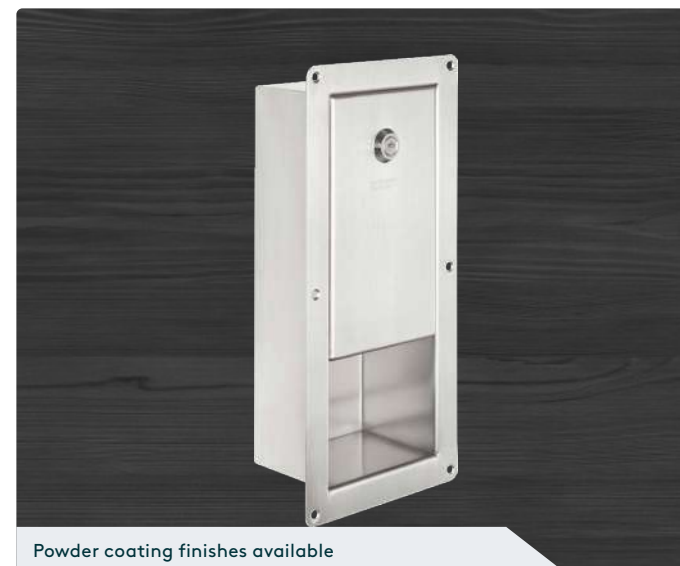
**More info & dimensions:**  
[kingswaygroupglobal.com/kg01](https://kingswaygroupglobal.com/kg01)



## KG02 Ligature-Resistant Paper Towel Dispenser (Surface Mounted)

A highly durable stainless steel unit providing a safe and effective means of dispensing multi-fold paper towels in behavioral health washrooms.

**More info & dimensions:**  
[kingswaygroupglobal.com/kg02](https://kingswaygroupglobal.com/kg02)



## KG10 Ligature-Resistant Toilet Tissue Dispenser (Recessed)

A flush-fitting, recessed toilet tissue dispenser providing a robust solution for patient accessible washrooms while simultaneously stainless steel recessed toilet tissue dispenser for patient washrooms that is fitted flush with the wall to provide a well styled yet robust solution.

**More info & dimensions:**  
[kingswaygroupglobal.com/kg10](https://kingswaygroupglobal.com/kg10)



LIGATURE-RESISTANT

# TOILET ROLL HOLDERS

Designed for safe use in patient accessible washrooms, our toilet roll holders provide a seamless user experience during regular use while ensuring the toilet roll will dislodge from the unit if additional force is applied, minimizing the ligature risk. Units available to accommodate 4" & 4.5" toilet rolls.

- Ligature-resistant by design
- Proven durability
- Abuse-resistant
- Grade 316 stainless steel for maximum corrosion resistance
- Anti-tamper fixings
- Surface mounted & Recessed options
- 3-Year Guarantee as standard



## KG23 Ligature-Resistant Twin Toilet Roll Holder (Surface Mounted)

Capable of accommodating two toilet rolls, the surface mounted unit offers a durable and safe solution for patient accessible areas in challenging environments. Models available to suit 4" wide and 4.5" wide rolls.

**More info & dimensions:**

[kingswaygroupglobal.com/kg23](https://kingswaygroupglobal.com/kg23)



## KG13 Ligature-Resistant Toilet Roll Holder (Recessed)

A recessed toilet roll holder designed to reduce risk in patient washrooms. The ligature-resistant unit accommodates one toilet roll with options available to suit 4" and 4.5" wide rolls.

**More info & dimensions:**

[kingswaygroupglobal.com/kg13](https://kingswaygroupglobal.com/kg13)



## KG03 Ligature-Resistant Toilet Roll Holder (Surface Mounted)

A surface-mounted toilet roll holder designed for safe use in patient washrooms. The ligature-resistant unit accommodates one toilet roll with options available to suit 4" and 4.5" wide rolls.

**More info & dimensions:**

[kingswaygroupglobal.com/kg03](https://kingswaygroupglobal.com/kg03)



LIGATURE-RESISTANT

# ANCILLARY PRODUCTS

Ligature-resistant ancillary solutions to further improve patient safety within your facility.

- Ligature-resistant by design
- 3-Year Guarantee as standard



Powder coating finishes available

## KG12 Ligature-Resistant 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)



Powder coating finishes available

## KG15 Ligature-Resistant Recessed Paper Towel Shelf

An alternative paper towel holder suitable for spaces where a standard dispenser can't be used. It is made from high-grade stainless steel and is ligature-resistant by design. The unit is supplied with security screws for installation.

**More info:**  
[kingswaygroupglobal.com/kg15](https://kingswaygroupglobal.com/kg15)



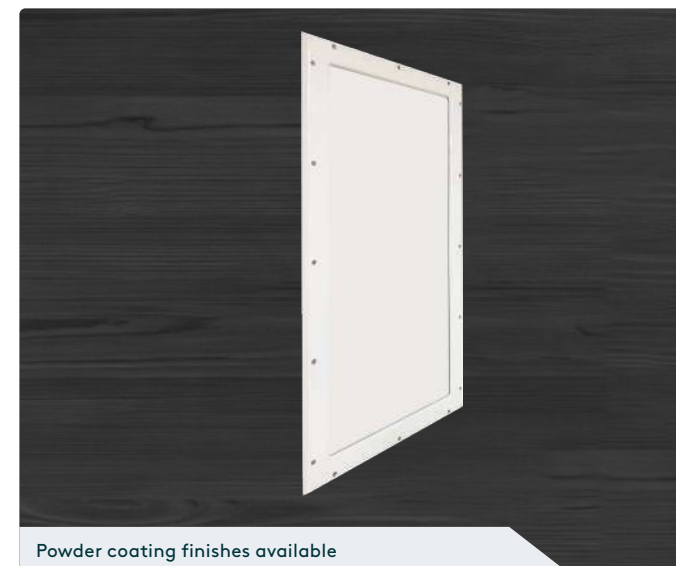
Powder coating finishes available

## KG231 Ligature-Resistant Mirror

A shatterproof and impact-resistant mirror designed for use in the most challenging behavioral health environments. Ligature-resistant by design, the unit features a polycarbonate mirror piece housed within a powder coated aluminum frame, secured to the wall with 16 security fixings.

**Available colors:**  
Available in 9003 or 9006 color

**More info & dimensions:**  
[kingswaygroupglobal.com/kg231](https://kingswaygroupglobal.com/kg231)



Powder coating finishes available

## KG235 Ligature-Resistant Dry-Erase Whiteboard

Designed for patient use in challenging environments, the KG235 is a ligature-resistant and shatterproof whiteboard. The unit features a white acrylic back panel and a clear polycarbonate face panel housed securely within a ligature-resistant aluminum frame, fixed to the wall with anti-tamper security screws.

**More info & dimensions:**  
[kingswaygroupglobal.com/kg235](https://kingswaygroupglobal.com/kg235)

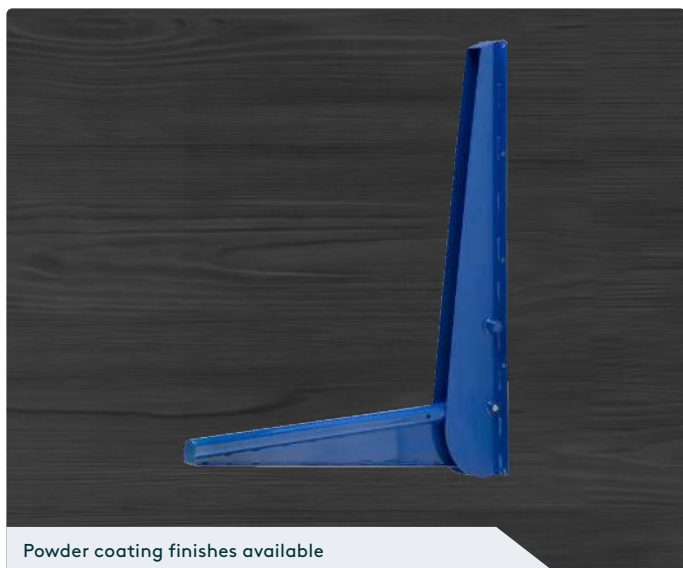


LIGATURE-RESISTANT

# GRAB BARS

Delivering high-strength, long-lasting solutions that are proven to perform in the most challenging behavioral health environments, our ligature-resistant grab bars and handrails help improve patient safety while minimizing the risk of ligature attempts.

- High strength builds
- Ligature-resistant by design
- Anti-tamper fixings
- Resistant to corrosion
- Easy to clean for simple infection control
- Multiple color options
- 3-Year Guarantee as standard



Powder coating finishes available

## KG255 Ligature-Resistant Drop Rail Wall Mounted

A high-strength drop rail rated to 800lb for use in washroom facilities. The sturdy hinged rail can be safely locked in the upright position when not in use to ensure the ligature risk is minimized. Manufactured from heavy gauge steel and powder coated for both comfort and to match or contrast the surroundings.

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



Powder coating finishes available

## KG260 Ligature-Resistant Handrail

The ultimate handrail solution for behavioral health environments to improve patient safety. Often used in corridors and communal spaces, the KG260 offers a strong, natural grip to support patients while ensuring ligature risks are minimized. Available in a range of specifications and colors to meet your facility's requirements.

**More info & dimensions:**  
[kingswaygroupglobal.com/kg260](https://kingswaygroupglobal.com/kg260)

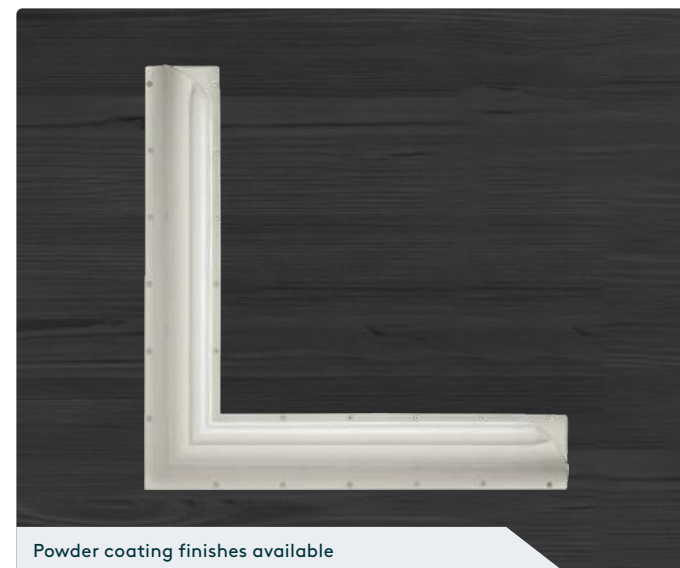


Powder coating finishes available

## KG270-278 Ligature-Resistant Grab Bars

High-strength Grab Bars suitable for use in washrooms and shower areas thanks to their unique self-draining design. A large, ergonomic handling area allows for a natural grip while retaining ligature-resistant design. Available in left and right handing options from 18" to 48" in length and a choice of colors.

**More info & dimensions:**  
[kingswaygroupglobal.com/kg270-278](https://kingswaygroupglobal.com/kg270-278)



Powder coating finishes available

## KG279 Ligature-Resistant L-Shape Grab Bar

An L-shaped handrail section with two open end caps designed to improve patient safety in high-risk areas. Ligature-resistant by design, it is suitable for use on walls and is finished in a range of powder coating options. The overall length is 30" with the end caps accounting for 3".

**More info & dimensions:**  
[kingswaygroupglobal.com/kg279](https://kingswaygroupglobal.com/kg279)



# Virtual Showroom Tours at a time that suits you

For those working within the behavioral health sector, there are tremendous pressures on time and resources, and with that the opportunities to explore new risk-reducing solutions in depth are limited.

With the ability to prevent loss of life and support staff in improving patient safety within their facilities, our Complete Door Systems and ligature-resistant products are an invaluable investment and, given the significance of their purpose, we want you to be wholly sure in your understanding of their capabilities and functions.

This is why we are pleased to offer virtual tours of our ligature-resistant product showroom with live demonstrations from our Project Consultants.

## Key benefits of a Virtual Showroom Tour

- An opportunity to see how Kingsway Group's risk reducing solutions function and improve safety for both staff and patients.
- Receive live demonstrations of our latest technology products, including the SERENITY interactive panel (see page 48) and award-winning KOSMOS Smart Monitoring System (see page 42).
- Save time without the need to travel, while still gaining all the information you need to make an informed decision.
- An opportunity to discuss your project requirements with us and draw on our experience in delivering ligature-resistant solutions in over 10,000 projects across the globe.

### Request a virtual tour

Find out more at:  
[www.kingswaygroupglobal.com/tour](http://www.kingswaygroupglobal.com/tour)  
 or scan the QR code to request a Virtual Showroom Tour at a time that suits you.





Your Partner in Patient Safety

The best ideas always  
start as conversations

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