



# Doorsets

including the Interspec range

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Ironmongery

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Doorsets

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Access Control

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Door Automation

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Handrail & Balustrade

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 [lloydworrall.co.uk](http://lloydworrall.co.uk)

**Safe**  
**Secure**  
**Accessible**

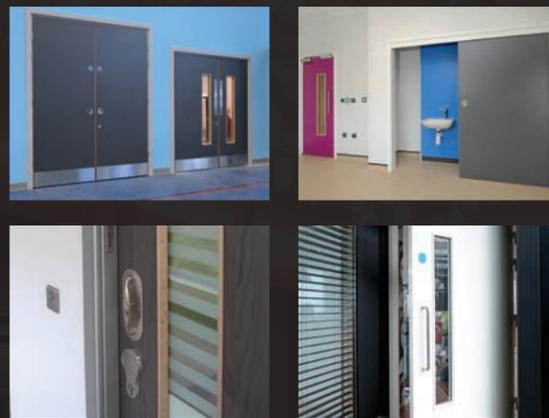
# Safe Secure Accessible

## Introducing Interspec Doorsets

Get everything you need, all-in-one, with our fully integrated doorset packages.

Interspec Doorsets offer a comprehensive design, estimating, scheduling and project management service delivered by an experienced, fully qualified team. With full doorset, ironmongery, and access control, our packages include:

- Doors
- Frames
- Architrave
- Glazing
- Architectural Ironmongery
- Associated Glazed Screens
- Access Control



## The Door Core

Construction	Please see detail below.
Fire	Intumescent and smoke seals* fitted into the jambs and the frame head. On pairs of doors intumescent and smoke seals are also fitted to the leaf leading edges.  *Smoke seals - this only applies to FD30S and FD60S doors.
Sound	Sound ratings covering various dB ratings to suit individual requirements. The frame and the double door meeting stile is provided with acoustic seals. Sound rated doors must be latched.
Smoke Control	Smoke seal in door frame and in astragals at meeting stiles on pairs of acoustic doors.
Door Leaf Finish	Veneered, painted or laminate.
Door Lippings	Painted doors: Melamine lipping 2 edges (lock and hinge side).  Veneered doors: Concealed or profiled hardwood lipping 2 or 4 edges. Melamine lipping in matching wooden colour.  Laminate doors: Concealed or profiled lipping 2 or 4 edges. PVC lipping all 4 edges.



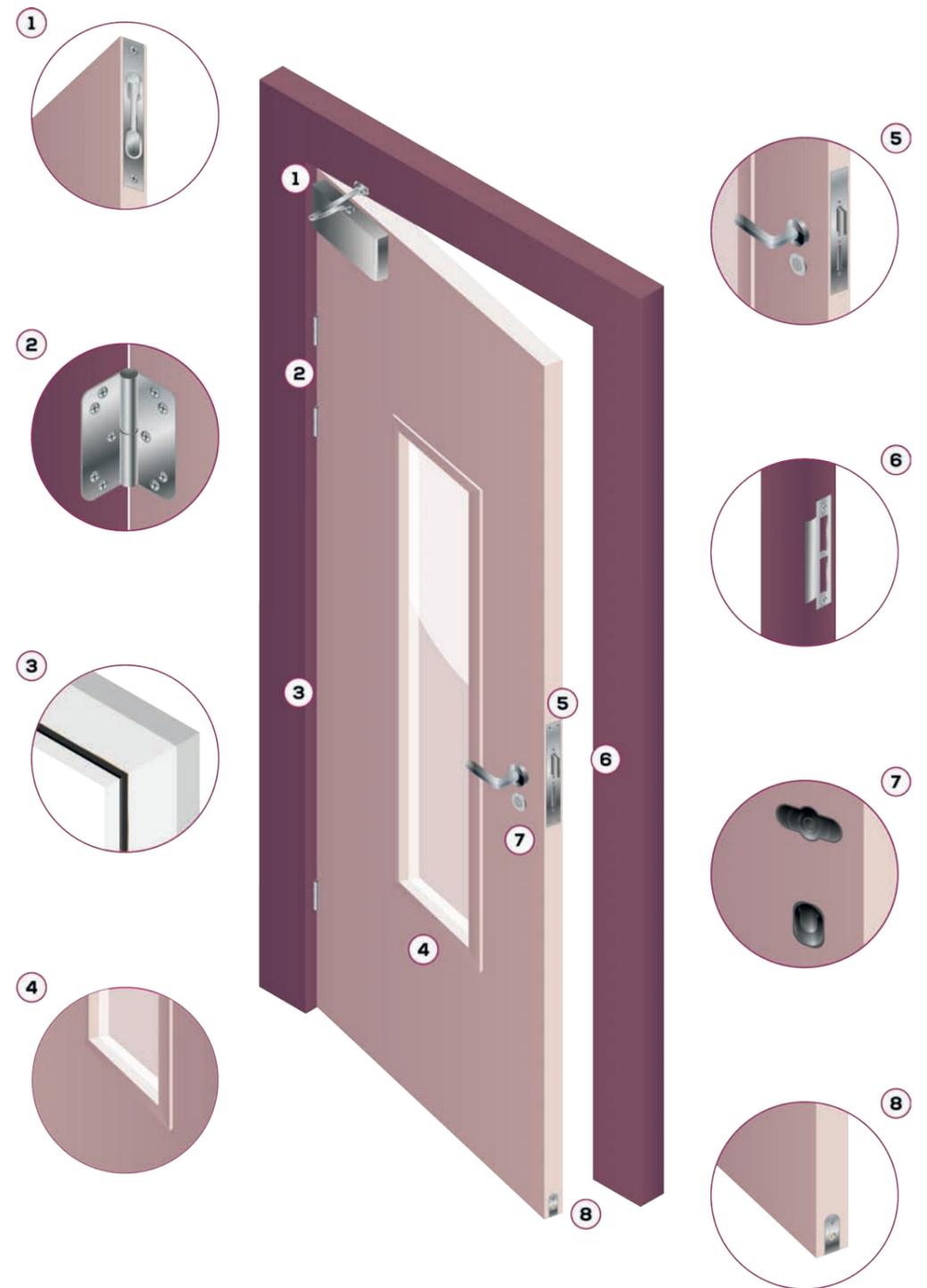
Painted Surface

Veneered Surface

Profile Lipping

Concealed Lipping

Laminate c/w pvc-lipping



- ① Flush Bolts - Factory prepared and fitted to top & bottom of equal and unequal pairs of doors.
- ② Hinges - Factory prepared and fitted.
- ③ Seals - Factory prepared and fitted. Intumescent and acoustic with integrated smoke seals.
- ④ Glazing - Factory fitted. With hardwood bolection glazing beads.
- ⑤ Mortice Lockcases - Factory prepared and fitted.
- ⑥ Adjustable Strike Plates - Factory prepared and fitted.
- ⑦ Door Face - Factory prepared. Ready for fitting of lever and cylinder ironmongery.
- ⑧ Acoustic Drop Seals - Factory fitted to bottom of door.

Please note: no allowance is made for face preparation of nightlatches or single cylinders.

# EDUCATION

Education facilities require durability and safety above everything else. Our doorsets are designed to meet the high-performance standards and accessibility required in schools, colleges, and universities, allowing the staff and students to move freely through the building without compromising safety or security.

Available in veneered, laminated, or painted finishes, our doors suit a variety of different building locations and usage, depending on customer requirements. In particular, our laminate faced timber doorsets are capable of withstanding all educational environments.

## Key benefits for education projects:



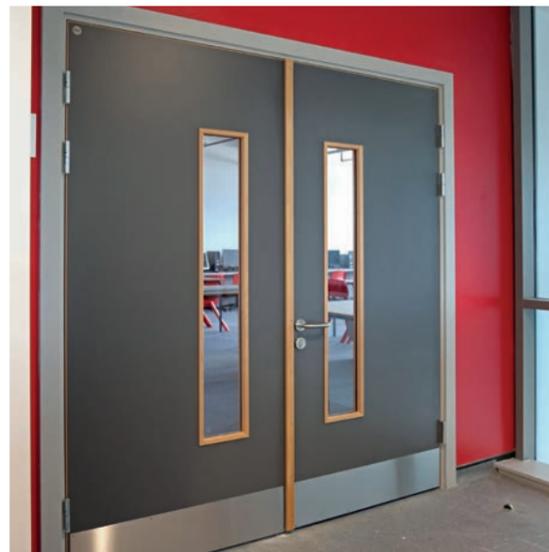
Slide tracks and concealed overhead door closers to reduce vandalism and ease accessibility for younger children



Finger protection products available, preventing common injuries



Light Reflective Value measurements can be supplied to provide the necessary colour contrast for BS 8300 compliance



## Case Study:

### The Duchess's Community High School, Alnwick

Lloyd Worrall supplied The Duchess's Community High School with 230 high performance FSC certified timber doorsets in a variety of fire and acoustic ratings to meet the intense use of doors found in the education environment.

We also supplied NFR, FD30, and acoustic glazed screens as part of their doorset package, allowing natural light to flood internal spaces, providing an airy and bright learning environment.

# HEALTHCARE



## Key benefits for healthcare projects:

When it comes to the healthcare sector, performance, durability, and safety are paramount. We strive to provide patients with the dignity and privacy they deserve, staff with solutions that can withstand equipment traffic, and visitors with secure access.

Our high durability timber doorsets offer rapid installation and high finished quality.

Our range of finishes, including veneered, laminated, and painted, are also designed to suit different department and building needs.

We also supply a range of postformed doorsets finished in high impact PVC material.



Privacy glazing and trolley bumper plates to protect the safety and privacy of the patients



Specialist doors for X-ray rooms and theatre areas



Fully certified fire and security doors to ensure the safety of patients, staff, and visitors



## Case Study:

### Jubilee Building of Hillingdon Hospital, London

Alongside Western Building Systems, Lloyd Worrall delivered 200 doorsets, ironmongery, and door automation solutions to the Jubilee Building, a 3-storey bespoke ward in Greater London.

We provided the ward with easy-to-clean laminate-faced doorsets, vision panels to consultation and treatment rooms, pivette doorsets to WCs, and a fully integrated ironmongery package designed for security, accessibility, and safety.

# MENTAL HEALTH

Doorsets in the mental health sector must provide security to exacting standards, while maintaining the safety and dignity of the building's users.

We understand that the demands on healthcare facilities are complex, which is why our doorsets are designed specifically for our customer's needs.

Light Reflective Value measurements can be supplied to provide the necessary colour contrast for BS 8300 compliance, and our range of finishes (veneered, laminated, and painted) are also designed to suit different department and building needs.

## Key benefits for mental health projects:



Specialised ironmongery to ensure safety and security of both staff and patients



Anti-ligature locksets and accessories to minimise safety hazards



Vistamatic vision panels that allow both privacy and observation



## Case Study:

### The Acute Mental Health & North Ayrshire Community Hospital

Lloyd Worrall supplied 1,071 Interspec laminate-faced doorsets to the health and elderly care facility that contains 206 bedrooms with 11 inpatient wards, 3 support clusters and outpatient facilities.

As well as anti-ligature locksets and accessories, birch lippings, and hard-wearing laminate doors, we supplied bespoke imagery to Vistamatic vision panels. 40 images were chosen by the NHS Trust to help patients differentiate between wards and signpost patients and visitors throughout the building.

# HIGH END RESIDENTIAL



High quality, bespoke residential dwellings deserve doorsets with equally high standards. Safety and compliance are the priority in high end residential properties, however these do not need to compromise design.

We can deliver fully certified fire door solutions in a large range of designs and

functions, giving the customer exactly what they want.

Our range of high performance doorsets include doorsets with a range of high acoustic ratings, guaranteeing resident comfort, and doorsets that comply with opening widths for wheelchair users.

## Key benefits for residential projects:



Door handles that achieve seamless blend or make bold statements



A range of real wood veneer and factory finished paint options to complement interior design



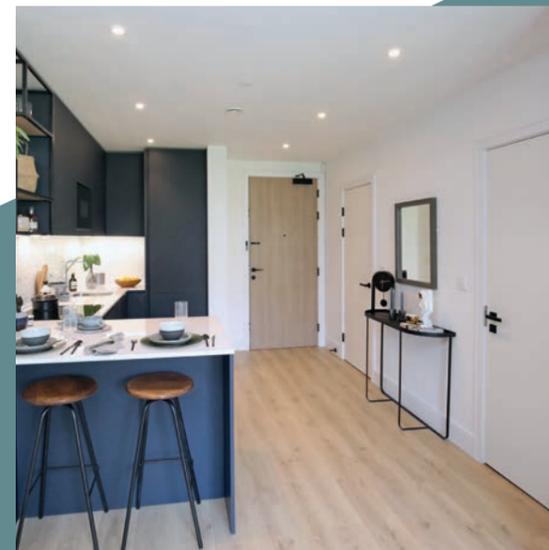
Made For You: Lloyd Worrall's bespoke furniture design service offering unique aesthetic appeal

## Royal Exchange:

### Kingston upon Thames

Royal Exchange provides contemporary high specification apartments, combining a visionary design with a distinct sense of place.

Lloyd Worrall supplied over 300 performance doorsets, complete with matt black ironmongery for a bold statement to the interior design. With the security of the home being of utmost importance, our doorset underwent a series of project specific, stringent independent tests to assess its resistance to different forms of burglary attack. The entrance doors were successfully certified to PAS24.



# STUDENT ACCOMMODATION



## Key benefits for student projects:

Student accommodation must balance safety, compliance, and durability with style. We understand that doorsets used within multi-residence buildings must meet the highest standard of performance to ensure the safety of users, while still creating a welcoming environment.

That's why our fully certified fire doorsets come in a large range of finishes including veneered, laminated, or painted.

Complete with factory provided hardware, our doorsets are quick and accurate to install, reducing your on-site time, and each doorset complies with the necessary opening widths for wheelchair users.



A range of high levels of acoustic performance doorsets to reduce sound leaks



Easy to clean high pressure laminate finish



Emergency exit hardware to enable occupants to escape the building safely in an emergency situation



## Case Study:

### Grand Hotel, Student Accommodation, Newcastle

This historic city centre hotel has been transformed into student accommodation and Lloyd Worrall worked closely with the main contractor to provide 118 high performance, severe duty, FSC certified timber doorsets in hard wearing light oak laminate.

The doorsets were complete with robust stainless steel ironmongery to meet the durability and intensity of use in student accommodation.

# HOTEL & LEISURE

Concierge

No two hotels or leisure buildings are the same, which is why Lloyd Worrall offers a bespoke design service suitable for most prestigious hotel and leisure developments. When it comes to design, our doorset range has something for every requirement, including veneered doorsets to compliment interior design, feature walls and screens.

Our fully certified fire and security doors ensure safety of both guests and staff,

and we have an extensive range of panic and emergency exit hardware to choose from.

Each of our doorsets complies with opening widths for wheelchair users, and Light Reflective Value measurements can be supplied to provide the necessary colour contrast for BS 8300 compliance.

## Key benefits for hotel and leisure projects:



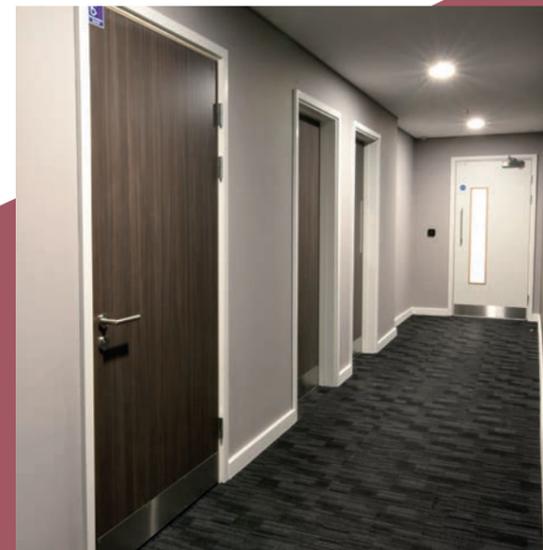
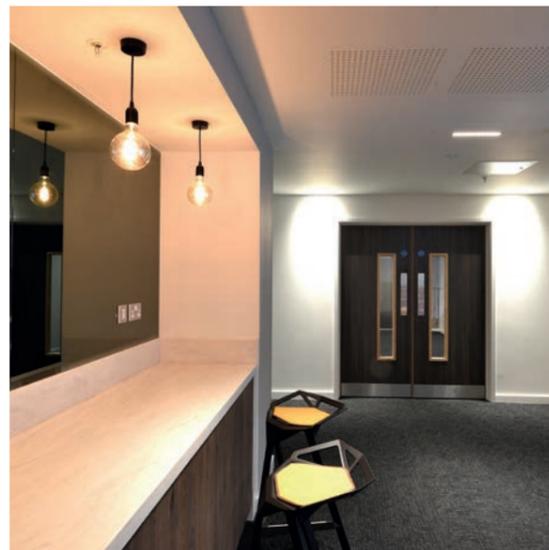
High levels of acoustic performance for guest comfort



Quick installation with minimal on-site finishing needed



High quality timber doorsets ideally suited to the heavy usage of hospitality



## Case Study:

### INNSiDE Hotel, Newcastle

Located by the riverside on the iconic Newcastle Quayside, this 4 star hotel is comprised of 161 guest bedrooms, conference facilities, residents' fitness suite, and a bar and restaurant for both guests and visitors.

Lloyd Worrall supplied a hotel doorset specification which included 484 doorsets in a mix of NFR, FD60, and FD90, FSC certified, secure duty HPL laminated, and factory fully-painted doorsets. All complete with stainless steel ironmongery.

# The Perfect Finish

Our goal at Lloyd Worrall is to ensure that we always deliver solutions that promote a safe, secure and accessible environment.

We provide three doorset options, all of which are designed with the user in mind.

## Laminate Doorsets



### Hard-wearing and heavy-duty

A firm-favourite in many commercial environments, our laminate doorsets are exceptionally hard-wearing and durable. The doors are faced with HPL (High Pressure Laminate), hardwood lipped on four edges, or alternatively can be PVC edged. The laminate finish gives an easy-to-clean and stain resistant surface.

### Colour and wood replica Options

Our doors can be faced with laminate varying from bright, bold solid colours, to subtle, muted tones.

We also offer a range of HPL woodgrain options.

Please contact us for a copy of our current laminate range brochure.

## Veneered Doorsets

### Surfaces that suit

Lloyd Worrall offers a selection of six standard veneered door faces\*, designed to suit any interior design.

Our doors are fully factory finished with hardwood lippings and glazing beads. Contrasting lippings are available.

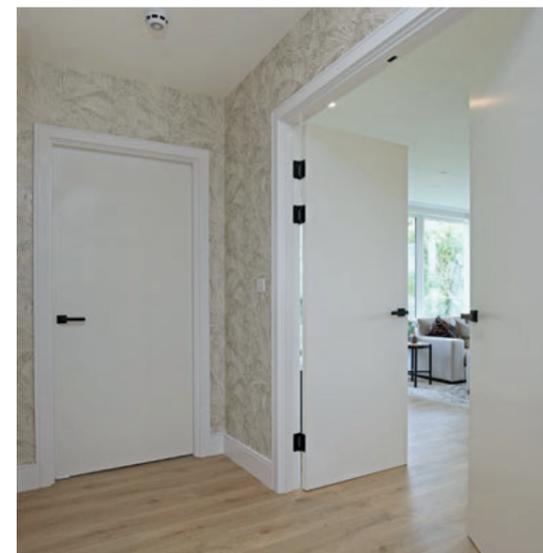
\*NB. other species are available upon request, but may result in longer manufacturing and delivery times.

### Crown or quarter cut

Choose between crown or quarter cut, with crown cut veneers 'book-matched', creating an attractive and continuous pattern that matches across the width of the door.



## Fully Painted Doorsets



### Option 1: Pre-painted for the perfect finish

To gain their high quality, durable and consistently superior finish, our fully painted doors are painted at our factory, delivering a significantly better result than achievable under site conditions.

### Option 2: Primed and prepped

Our doors and frames are supplied primed for on-site finishing by others, with the architraves available in softwood, hardwood, or MDF.

# Doorset Features

## Vision Panels

We offer a range of aperture style vision panels, subject to fire and sound certification, so you can choose the design that best suits your needs. As standard, the doors are delivered glazed and in compliance with visibility requirements.

Lloyd Worrall has partnered with Vistamatic, the world's leading brand of glazed privacy vision panels, to offer a range designed for environments where privacy and dignity is crucial.



## Screens

Commonly used in offices, schools and hotels, our screens can be supplied in specialist sizes and manufactured in either softwood or hardwood. Also available for NFR, FD30, and FD60.



## Acoustics

Lloyd Worrall offers acoustic rated doorsets by accurately sealing and factory fitting seals inside the frame, achieving the desired acoustic performance. The required acoustic rating of the doorset will be calculated using a percentage of the wall area it occupies. Drop seals are also included with the acoustic rating required.



# Why Lloyd Worrall?

## Built to last

Lloyd Worrall's unified doorsets are designed to meet and exceed the most demanding performance requirements whilst maintaining superior quality, aesthetic, performance, and durability. Whether they're used in hospitals, schools, care homes or offices, they're guaranteed to last.

## Single source supply

Specifying a Lloyd Worrall doorset ensures you are getting the benefit of a fully integrated product which includes the door, frame, architraves, glazing and factory preparation and installation of non-projecting ironmongery. This results in the regulatory compliance of fire, smoke and the acoustic performance required, ensuring all products are fully certified.

## The complete solution

As a premier architectural solutions provider to the commercial, education, healthcare, retail, leisure, accommodation and residential sectors, we also provide the following products to complement our doorset ranges:

- Access Control
- Architectural Ironmongery
- Door Automation
- Modular Handrail & Balustrade Systems

## Certifications and accreditations

As well as fulfilling the FD30 and FD60 fire door ratings, all product within the Interspec range also conform to the latest British Standard, European Standards, and Building Regulations. Constructionline assured that our company aligns to PAS 91, and our materials, products and processes are inspected and certified by BM TRADA.

Timber products, wherever possible, are supplied in accordance with the traceability standards set out by the Forests Stewardship Council (FSC) and Pan European Forest Certification (PEFC).



The mark of responsible forestry



## Doorset BIM objects

Available in the user-friendly Revit format, our range of generic doorset BIM objects are designed to simplify the specification process and assist you when placing the BIM components. On top of this, several additional features are offered including selectable ironmongery sets, fire and acoustic ratings, door swing and a materials library. The BIM objects are available to download from our website.

# Contact Us

## Lloyd Worrall Manchester

Lloyd Worrall, Unit 25, Longwood Road  
Trafford Park, Manchester  
M17 1PZ

**T:** 0161 886 2740

**E:** manchester@lloydworrall.co.uk

## Lloyd Worrall Milton Keynes

Lloyd Worrall, Unit 2, Bilton Road  
Bletchley, Milton Keynes  
MK1 1HW

**T:** 01908 622 650

**E:** miltonkeynes@lloydworrall.co.uk

## Lloyd Worrall Newcastle upon Tyne

Units 13/15, Noble Street Industrial Estate off  
Scotswood Road, Newcastle upon Tyne  
NE4 7PD

**T:** 0191 226 0888

**E:** newcastle@lloydworrall.co.uk

## Lloyd Worrall Sheffield

Unit 10, Attercliffe Common Industrial Estate  
Fell Road, Sheffield  
S9 2A

**T:** 0114 244 3350

**E:** sheffield@lloydworrall.co.uk

## Yannedis London

Yannedis, Suite G9B, 9-11 Gunnery Terrace  
Royal Arsenal, London  
SE18 6SW

**T:** 020 8301 8320

**E:** london@lloydworrall.co.uk

**Safe  
Secure  
Accessible**

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## Your Team

### DOORSETS

#### Andrew Moore

National Key Accounts (South)

**M:** 07525 593 839 **E:** andrew.moore@lloydworrall.co.uk

#### John Paul Lambert

National Key Accounts (North)

**M:** 07843 343 077 **E:** johnpaul.lambert@lloydworrall.co.uk

#### Richard Woods

National Key Accounts (Scotland)

**M:** 07977 070 624 **E:** richard.woods@lloydworrall.co.uk

### LLOYD WORRALL SOLUTIONS OFFICE

Lloyd Worrall, Bizspace, Planetary Business Centre  
Planetary Road, Willenhall  
WV13 3SW

**E:** enquiries@lloydworrall.co.uk

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