



FM 27239



guild of architectural ironmongers

advancing architectural ironmongery



Door & Hardware Federation

Performance Doorsets

Martin Roberts



Ingersoll Rand's Security Technologies sector is a leading global provider of products and services that make environments safe, secure and productive. The sector's market-leading products include electronic and biometric access control systems; time and attendance and personnel scheduling systems; mechanical locks and portable security; door closers and exit devices; steel doorsets and automated openings, architectural hardware and technologies and services for global security markets.

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Ingersoll Rand Performance Doorsets



Ingersoll Rand Security Technologies is focused on delivering innovative access and security solutions. We are a proven and trusted provider of value added products and services globally.

At the heart of the opening

From design and manufacturing, to installation and project management, we are at the forefront of steel doorset innovation in the UK.

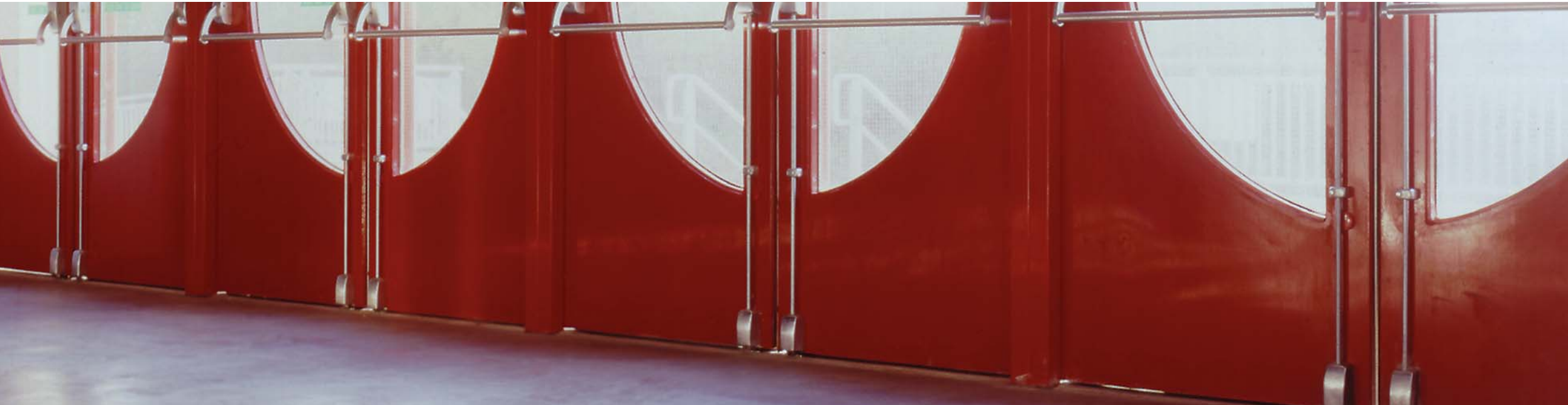
Combining engineering excellence with the latest interactive computer design technology, the highest grade materials and advanced manufacturing techniques, Ingersoll Rand's wealth of experience has continued to meet and exceed the demands and expectations of architects, designers, specifiers and major building contractors across the globe.

Ingersoll Rand's Martin Roberts steel doorsets are manufactured in the UK and are widely used in commercial, educational, transport, retail, sports and leisure, scientific, health and pharmaceutical environments. All doorsets are custom-made to suit individual requirements and finished in a wide range of colours and finishes. Features such as vision panels, louvres, side and overpanels are easily incorporated into the overall design.

As specialists in products and services that make environments safe, secure and productive, performance steel doorsets form just part of a complete suite of products designed to meet all your specification needs.

*[our doorsets are designed
and manufactured in the UK]*

Realise the Benefits of Steel Performance Doorsets



Steel doors and frames offer advantages to users that other door systems find hard to match. Not only is steel more robust than timber - offering higher levels of protection against vandalism, fire, burglary and general wear and tear - but the latest in-house powder coating technology enables our doorsets to be finished to a very high aesthetic quality with stainless steel. Timber effect, embossed and stainless steel finishes also provide aesthetic alternatives to a painted finish.

The UK market is changing and traditional timber doorsets are now being replaced by steel doorsets as architects and contractors begin to appreciate the significant advantages steel doors and frames can bring to their buildings.

Steel doors and frames offer advantages to users that other door systems find hard to match

The Benefits of Steel Performance Doors

- Longer life performance and improved life cycle costs.
- Door, frame and hardware supplied complete - saving on-site time and costs.
- Frames can be installed 1st fit at wall construction stage and doors offered at latest 2nd fit opportunity - accelerating build-time and reducing likelihood of site damage.
- Moisture resistant - will not rot, warp, swell or twist.
- Inherent strength - superior resistance to forced entry.
- Precision engineered - require little maintenance.
- Close fitting machined tolerances - no intumescent seal required.
- Smooth surfaced with inherent hygienic properties.
- Ready prepared and reinforced to suit hardware.
- Environmentally friendly - 100% recyclable.
- Rugged construction - will withstand higher levels of robust use and abuse throughout the lifetime of the building. Severe duty rated in accordance with BS EN 1192.
- Long term fire resistance performance - integrity and stability up to 5 hours.
- Access control hardware easily and neatly integrated.
- Value for money.

Why choose Ingersoll Rand Performance Doorsets?



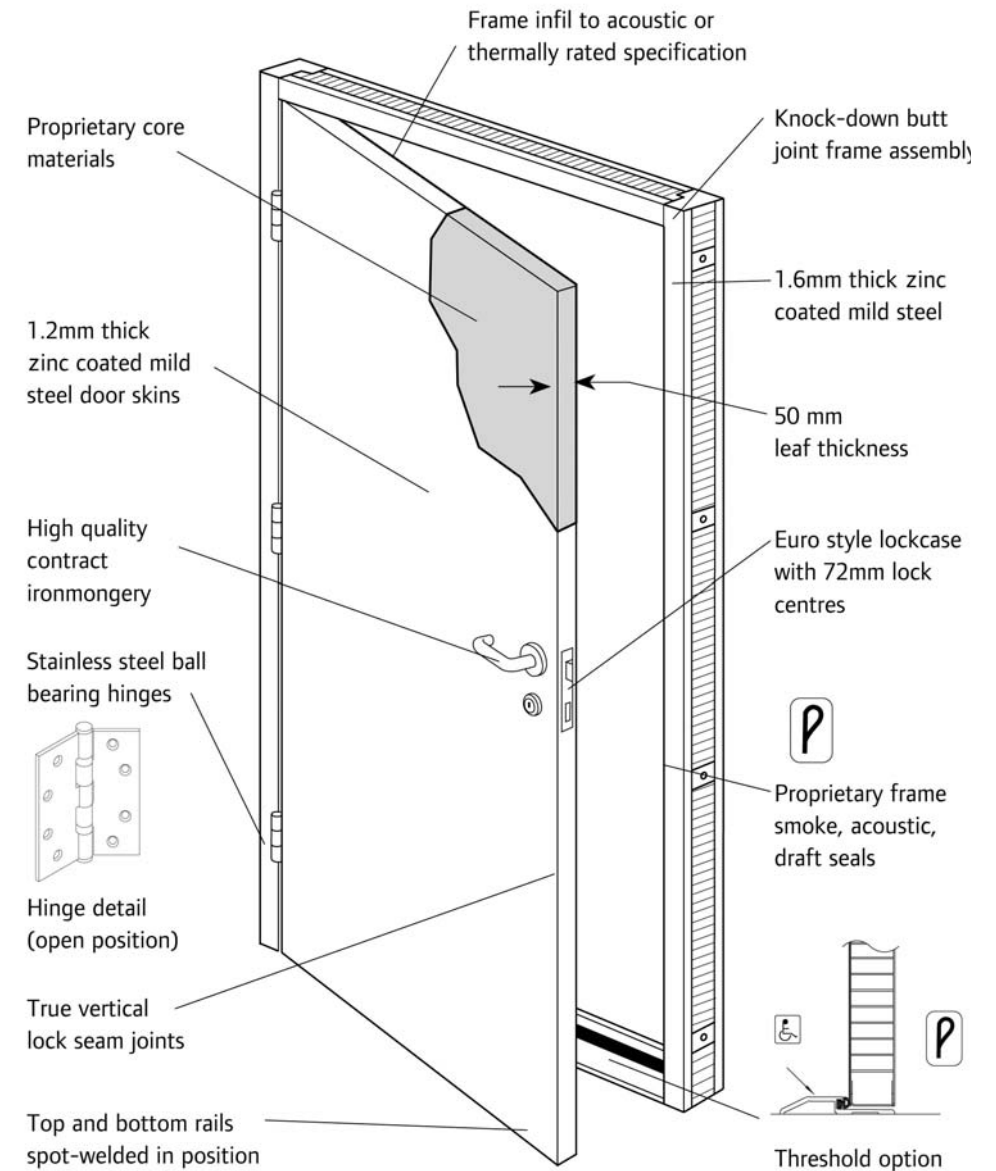
We are the UK's market leader in steel door technology and architectural hardware, backed by a global corporation.

Factory assembled to the most exacting specifications, our range of single, double, hinged or pivoted performance steel doorsets are designed, tested and certified to suit the most challenging internal and external applications. Each doorset is constructed from high grade materials for enhanced durability and long-life performance and available in a variety of configurations.

We can offer a fully co-ordinated design, manufacture, installation and maintenance package to provide our customers with a quality product, efficient service and peace of mind. We are also able to supply doorsets on a supply-only basis if preferred.

- Available with market-leading fire, security, acoustic and thermal characteristics – providing a wide choice of options suitable for all applications.
- Longer life performance and improved life cycle costs – durability tested to 1 million cycles in accordance with BS EN 1191.
- Inherent multi-performance values – variety of performances available within one 50mm door leaf construction.
- True lock seam joints to vertical edges – improved door leaf rigidity and twist resistance over time.
- Smooth surface polyester powder-coated finish in a wide range of colours – low maintenance and durable with excellent colour retention.
- Hardware and access control can be factory fitted and supplied as an integrated part of the doorset – optimising off-site construction and guaranteeing technical compatibility between components.

Contract Series Door Features



[...a quality product, efficient service and peace of mind.]

Fire Resistant Steel Doorsets

Fire...the irreparable damage it causes costs business million of pounds every year. It also costs lives. The Regulatory Reform (Fire Safety) Order 2006 - or RRO as it is generally known - has a significant impact on the way passive and active fire protection elements of a building are specified, installed and maintained. Under the law, critical fire safety responsibilities move from agencies such as the fire service to building owners and operators. By choosing the Ingersoll Rand range of fire resistant steel doorsets you can be assured of fire and smoke protection for up to 5 hours.

Fully fire tested to EN1634 and Certifire approved, all of our fire doors are installed by Firas competence assessed site operatives.

Under the law, critical fire safety responsibilities move... to building owners and operators.



Standards & Testing

- Meets the requirements of BS 476 Part 22: 1987 (Fire Integrity).
- BS 476 Part 22: 1987 Clause 6 (Full Fire Insulation).
- European Standard BS EN 1634-1: 200.
- BS 5588-4: 1998 (Smoke Passage).
- BS EN ISO 9001: 2000 (Quality Management System).
- Certifire and Firas scheme accredited.



Thermal Steel Doorsets

With the reduction of energy consumption becoming a major consideration, energy efficient buildings demand that running costs be kept to a minimum. Our range of thermal steel doorsets are designed specifically for such applications and satisfy the higher thermal insulations stipulated within the Approved Documents Parts L2A & L2B of The Building Regulations – ‘Conservation of fuel and power’.

All doorsets are supplied with mineral wool backfilled frames, frame seals and low profile SAA thresholds as standard to satisfy air permeability and thermal requirements. Double-glazed vision panels are also available to special order incorporating low emissivity glass to reduce heat loss.

energy consumption becoming a major consideration...efficient buildings demand that running costs be kept to a minimum.



Standards & Testing

- Thermal transmittance simulated by computer modelling and certified in accordance with BS EN ISO 10077-1 by Chiltern Dynamics.
- BS EN ISO 9001: 2000 (Quality Management System).
- Can be fire rated in accordance with BS 476 Part 22 and sealed to prevent smoke passage and air leakage in accordance with BS 5588



Security Steel Doorsets

Peace of mind is a goal we all seek; achieving this only comes when we can rely on the security and safety of our surroundings. Many claim to provide security by offering products that 'look the part' – promising peace of mind, but delivering a false sense of security.

Combining aesthetics with strength, durability and performance, we supply innovative, high quality security door products with certified performance to a demanding client base. The construction of our security steel doorsets, when combined with heavy duty security locksets, anti-pick cylinders and security hinges more than satisfies the demanding physical protection and ballistic standards for High/Medium risk situations.

Ideal for installations such as cashrooms, retail outlets, universities, hospitals, hotels and domestic dwellings, where a high level of protection is needed against vandalism and opportunist thieves.

...aesthetics with strength, durability and performance



Standards & Testing

- Independently tested and certified to exacting standards laid down by the Association of Chief Police Officers (ACPO), backed by the Home Office Crime Reduction Unit, the Loss Prevention Certification Board (LPCB), the Building Research Establishment (BRE) and BS EN ISO 9001: 2000 (Quality Management System).
- Can be fire rated in accordance with BS 476 Part 22 and sealed to prevent smoke passage and air leakage in accordance with BS 5588.



Acoustic Steel Doorsets

Loud noise hurts everyone and it's especially bad for business. Continued exposure impairs hearing and undermines emotional well-being, exposing employers to potential liabilities. Even at relatively low levels, unwanted noise can be a costly drain on employee morale and productivity.

Where the combination of acoustic performance and aesthetic design is required, our acoustic doorset range can be specified in full confidence. They are perfectly suited to a variety of demanding situations including multiplex cinemas, research facilities, offices, airports and hotels. Satisfying performance requirements up to Rw 53dB sound reduction together with 120 minutes fire resistance, Ingersoll Rand Acoustic Steel Doorsets are constructed from proprietary acoustic core materials and fitted with acoustic frame seals to effectively reduce noise levels.

...unwanted noise can be a costly drain on employee morale and productivity.



Standards & Testing

- Tested and certified in accordance with BS EN ISO 140-3: 1995(BS 2750), BS EN ISO 717-1: 1997 (BS 5821) and BS EN ISO 9001:2000 (Quality Management System).
- Can be fire rated in accordance with BS 476 Part 22 and sealed to prevent smoke passage and air leakage in accordance with BS 5588.



Options



By making effective use of vision panels, louvres, ironmongery and a range of materials and finishes, functional doorsets can be designed and manufactured to meet almost any requirement.



Louvres

A selection of louver options are available combining strength and security with excellent air flow characteristics. Ideal for plant room, catering and research facility applications. Our louvres can be upgraded to maintain the designated fire rating performance and be fitted with stainless steel insect and rodent proof mesh for additional protection.



Vision Panels

Factory fitted with optional standard size or custom manufactured vision panels from a range of square, rectangular, narrow slot or circular designs. Specific vision panel sizes and types of glass may be selected to suit DDA, fire, security, acoustic or thermal applications. Side and overpanels may also be fully glazed.



Configurations

The following configurations and combinations are available across our range:

- Single swing
- Double swing
- Single
- Equal leaf double doorset
- Odd leaf double doorset
- 3 or 4 sided frames
- Side and/or overpanel options.

Colours & Finishes

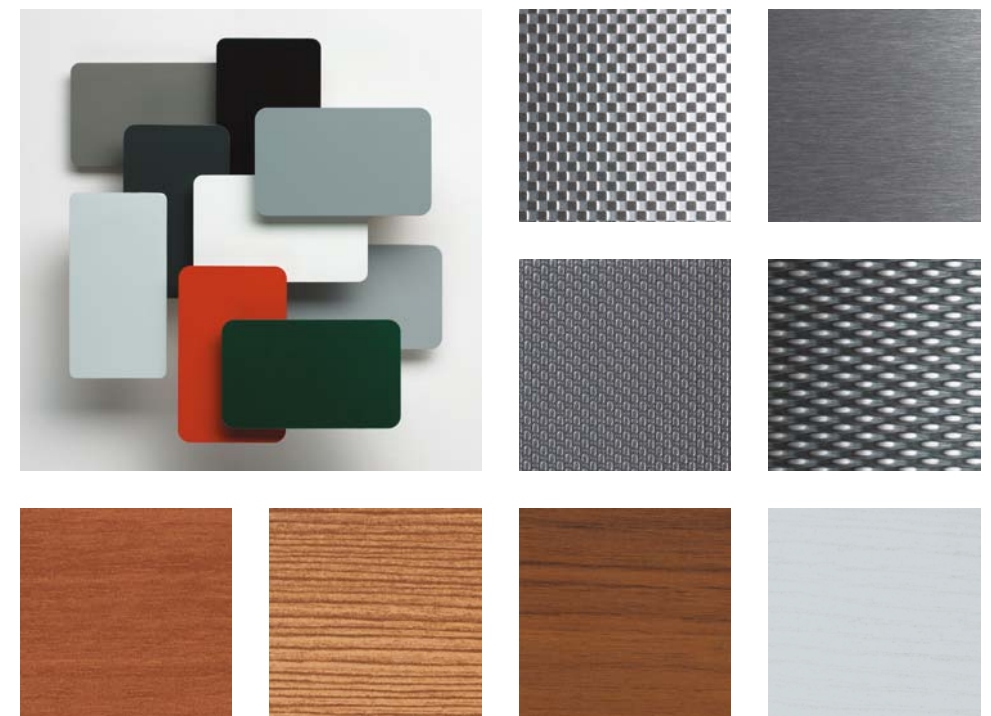
All Ingersoll Rand doorsets are available in a wide selection of standard polyester powder-coated colours providing a superior, durable finish. Special powder-coated finishes to match environments such as antartica, leather, metallic and stone cladding give the designer that 'something extra' in the overall appearance of the doorsets.

Brushed, patterned and mirror finish stainless steel doors and frames may be specified for aesthetics or arduous environments.

The latest addition to the range is an embossed wood grain effect finish that offers the appearance and warmth of timber whilst giving the strength and security of steel.

Anti-graffiti materials are also available where doors are likely to be installed in areas subject to abuse.

[...leather, metallic and stone cladding
...brushed, patterned and mirror finish
stainless steel...embossed wood grain]



Architectural Hardware

These options are indicative of the wide range of predetermined Briton hardware sets available for supply with our performance steel doorsets. We are also able to provide doors utilising other hardware manufacturers' products to suit project specific requirements.



Briton Panic Hardware



Briton Door Control



Briton Pull Handle



Briton Lockcase



Briton Lever Set



Briton Lever Set



Normbau Combi Line



Randi Lever Set



Briton Signage

Fast Track Service



Our Fast Track Service simplifies doorset specification and speeds up delivery.

By choosing from a pre-selected range of options this modular ordering system allows us to shorten the delivery time of your doorset and guarantee a high quality performance product at a competitive price.

The service is targeted at builders and contractors who frequently require a fast turnaround at competitive prices. Where lead times are critical, virtually any combination of doorset and pre-selected hardware can be supplied and delivered on-site within 3-4 weeks. An extensive selection of quality steel doorsets are available to suit general purpose, fire, security, acoustic and thermal applications.

And if our Fast Track Service is just not fast enough, you could try Fast Track Express. By choosing from a pre-selected range of the most commonly specified options, which we keep in stock, you can take delivery of your doors within just 5 days.

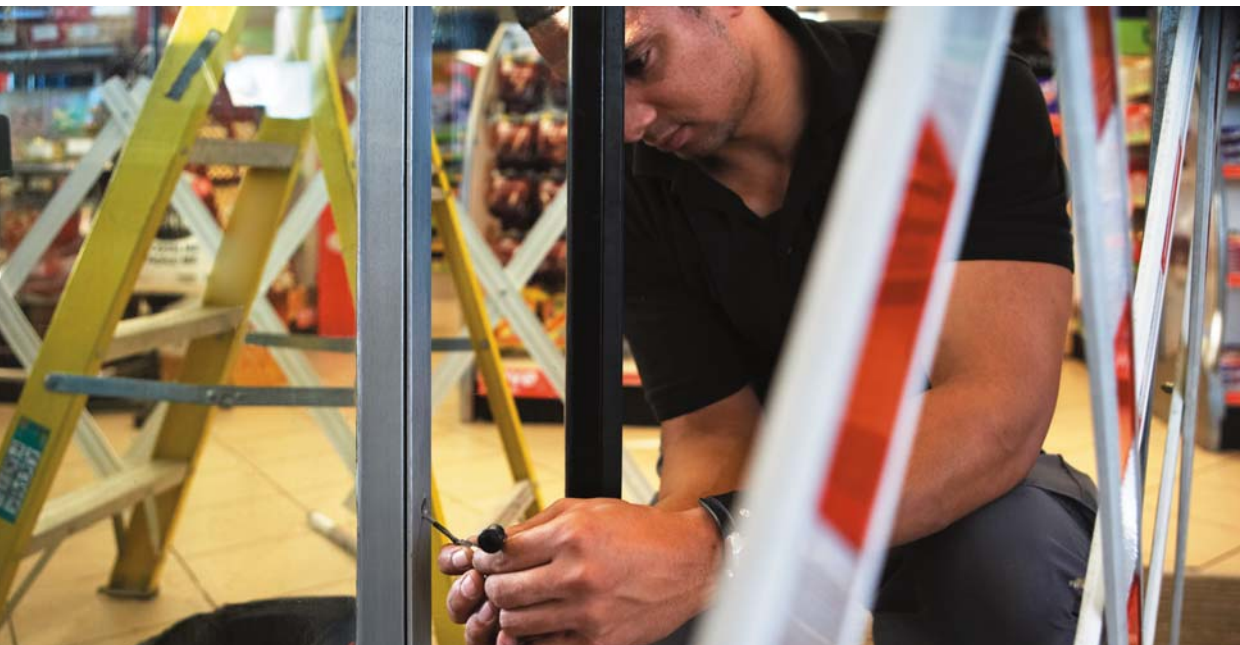
To find out more about our Fast Track Service, contact our dedicated team on 01795 477111.

Simply follow the selection criteria below:

- 1) select the required door type configuration
- 2) select the door size
- 3) select the frame profile
- 4) select the fixing method
- 5) select any options (vision panel or louvers)
- 6) select the hardware set
- 7) select the finish

[...targeted at builders and contractors who frequently require a fast turnaround at competitive prices.]

Installation and Maintenance



The traditional route for doorset installation in the UK is based around the frame, door and hardware being installed at a second fit stage. To accelerate build-time and avoid potential site damage, we can provide a service whereby the door frames are installed in conjunction with the wall construction. Door leaves may then be hung at the second fit stage nearer to completion.

In the vast majority of cases, routine preventative maintenance ensures that performance doorsets stay operational whenever they are needed.

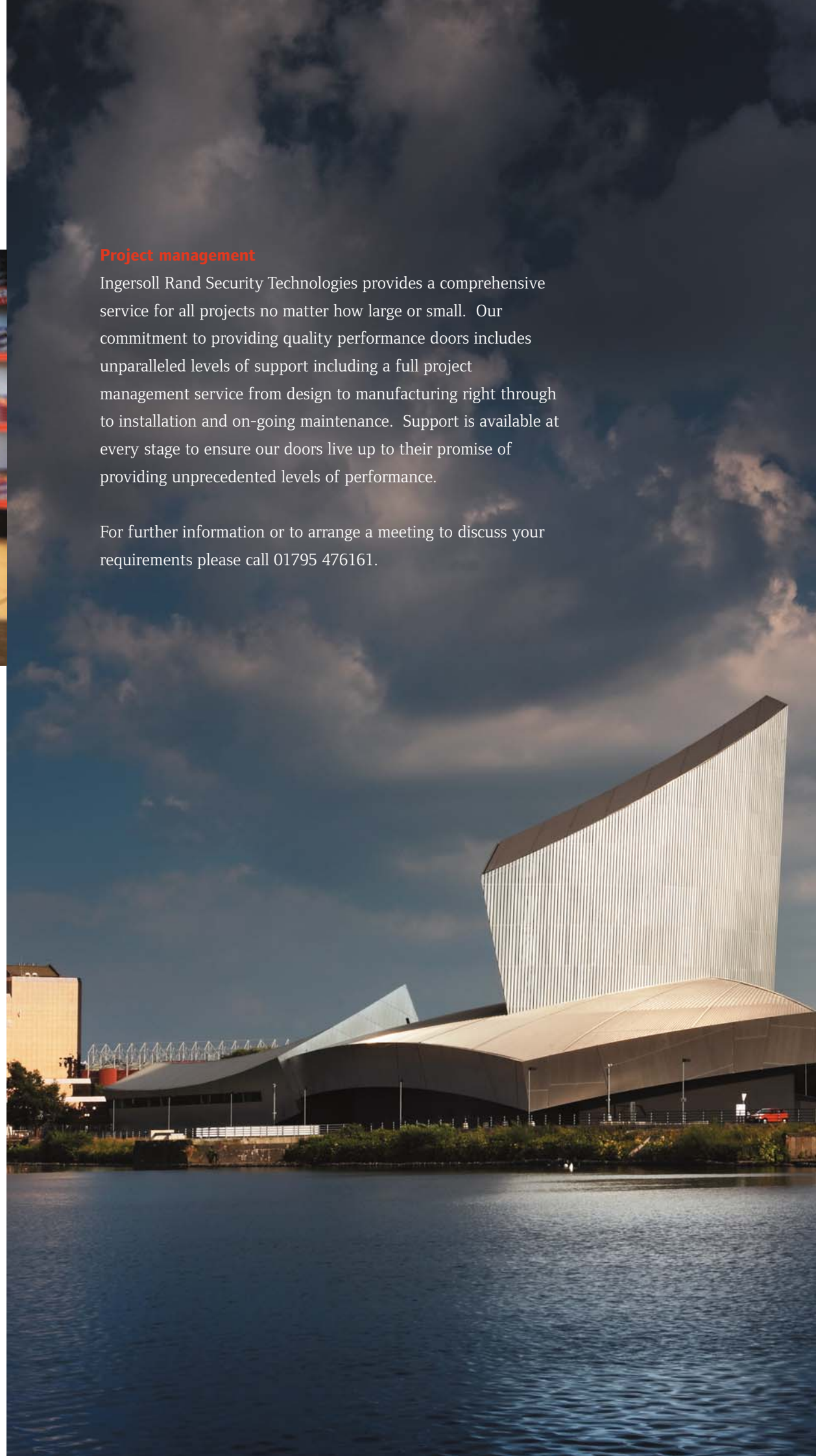
Maintenance and service contracts with Ingersoll Rand Security Technologies provide you with complete assurance that your steel doorsets will remain functional at all times. Available nationwide, the packages have been designed to reduce operating risks, increase overall efficiency and prolong the life of Martin Roberts's steel doorsets. In the event of breakdown our 24 hour service teams will respond rapidly to restore normal operations with minimal delay.

[...routine preventative maintenance ensures that performance doorsets stay operational whenever they are needed.]

Project management

Ingersoll Rand Security Technologies provides a comprehensive service for all projects no matter how large or small. Our commitment to providing quality performance doors includes unparalleled levels of support including a full project management service from design to manufacturing right through to installation and on-going maintenance. Support is available at every stage to ensure our doors live up to their promise of providing unprecedented levels of performance.

For further information or to arrange a meeting to discuss your requirements please call 01795 476161.



Integrated Solutions

Ingersoll Rand Security Technologies offer a fully co-ordinated package of products and services that create and sustain safe, secure and productive environments. We are a single reliable source, backed up by a global corporation and a fully qualified support team. All products are compatible and can be tailored to create a fully integrated solution to your particular needs.

Automated Openings

Our automated openings, under the Dor-O-Matic brand, provide one of the widest choices of automatic doors and operator systems available and are widely used in commercial, sports & leisure, retail, education, transport and healthcare environments. Designed and manufactured to suit individual requirements, our full service package includes installation, service and maintenance.

Electronic Access Solutions

A worldwide leader in access control, time and attendance and personal identification products, we are uniquely positioned to supply a complete security package from advanced biometric solutions, through to networked and standalone electronic access control systems and mechanical locks. Our bespoke software and hardware designs under the Interflex brand provide solutions for time management, personnel scheduling, data capture, visitor management and access control applications.

Hotel Locking Systems

Under the CISA brand we design and manufacture a range of hotel and electronic locking systems, utilising biometric, smart card and proximity technologies. The systems are approved and specified by major international and national hotel chains, as well as in the independent sector. All systems are supplied, installed and supported by a team of professional engineers.

Architectural Hardware

Manufacturers of the market leading Briton brand of door hardware, our range consists of door controls, door furniture, exit hardware, security cylinders and lockcases. Our product portfolio also includes Randi, a range of design-led Scandinavian door furniture and accessories and Normbau, a versatile range of coloured nylon door and bathroom fittings.

Service & Maintenance

Ingersoll Rand offer an unrivalled year-round maintenance and repair service for automatic, steel, manual and industrial doors along with their associated security systems, that will keep your premises open and with minimum disruption. A nationwide fleet of specialist engineers and dedicated call centre staff ensure a rapid response 24 hours, 7 days a week throughout the UK, providing total peace of mind.



[a single reliable source, backed up by a global corporation and a fully qualified support team.]