

DOCK SOLUTIONS LTD

UK MANUFACTURED LOADING BAY EQUIPMENT
AND INDUSTRIAL DOORS



Industrial Doors

High Speed Doors

Sectional Doors

Roller Shutter Doors

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Please contact the **Dock Solutions** team, who will be happy to discuss your needs and assist you in choosing the right model for your project. A visit from a member of our team to your location can be arranged to demonstrate the advantages **Dock Solutions** offers.

In-house construction drawings and technical specifications can be supplied.

Dock Solutions can offer a complete service to ensure that you are operational for the maximum amount of time.

At **Dock Solutions**, we can give you the widest range of flexible service plans for your loading bay. Our experienced service and installation engineers are available throughout the UK to ensure your equipment is installed and maintained to the highest standard.

Our unique SOS service means that you will speak to someone who may be able to solve your issue over the phone or arrange a call out as soon as possible to your premises by our service engineers.

Dock Solutions industrial doors are high-technology products with a range of valuable features.

Dock Solutions offer a full range of doors including:
High Speed Doors
Roller Shutter Doors
Sectional Doors

Weather safety and dependable operation are provided by the doors, which help to minimise heat loss (or heat ingress for cold stores). As a result, they lead to lower prices and a more comfortable working environment.

Dock Solutions has extensive experience in the manufacture and fitting of industrial doors, with thousands installed.

Dock Solutions has extensive experience in the manufacture and fitting of industrial doors. With 17+ years experience, we offer a bespoke range of industrial doors built to the highest standards and built to last.

At **Dock Solutions**, we're committed to providing the best service possible for turn around time, servicing, and repairs - we offer a 24 hour call out, all year round.

High Speed Doors

Roll Up High Speed Door

The roll up high-speed door is a versatile, quick-rolling door with speed control and automatic adjustment. The key advantage of the door is that it reinserts itself in the vertical guides even after being bumped and pulled out of the side guides.

Options

Complete Anti-Rust Solution: Door frame along with motor cover and control cabinet.

Full Size Transparent Curtains: High-quality, long-lasting transparent PVC ensures maximum illumination through a closed panel. On the door curtain, optional digitally printed logos and/or warnings can be printed.

Features

Full self-repairing curtain system

Opening speed: Up to 2.5 m/s

Standard supplied accessories: Antijamming curtain sensor, photo-electric safety photocells, Emergency STOP push-button, Handle for manual emergency opening, Phase inverter for precision and speed, Pre-wired controls and cabling.

Fold Up High Speed Door

The rapid fold-up high speed door is the ideal solution for medium/large sized bays, especially where high wind resistance is a must.

Options

Safety Light Grid: Ensures maximum, safety for through traffic, and personnel, avoiding completely direct contact with the curtain.
Insulated Fabric: When using an insulated fabric, temperature insulation and sound proof characteristics will improve considerably.

Sloping thresholds: The bottom of the curtain can be easily adjusted to compensate for some slopes at the door threshold.

Features

Wide range of applications: Hangers, garages, waste management sites, loading docks, internal room separation, high-traffic production areas, etc.

Opening speed: Up to 1.0m/s Withstands high wind loads, heavy duty gear motor drive unit, fully automatic or dead man operation.





Food Safe High Speed Door

Dock Solutions offer a fast action door which is fully washable and ideal for food industry environment. Specifically designed so that it can be fully washed with no areas for build up of contaminations.

Performance

Maximum Dimensions: 4000mm x 3800mm

Frame: Guides and side brackets in PE, non-supporting

Covers: Motor covers in stainless steel 304, included as standard

Power Supply: 230 VAC, mono-phase

Control cabinet: Plastic, with IP65 protection degree

Safety: Barrel type inferred photocells

Installation: Easy installation due to factory semi-assembled frames and components

Temperature: Wide range operating temperature +2°C to +40°C

Humidity: Up to 80% condensation free

Features

Hygiene and speed: Two in one solution

Non rusting frame and food friendly

High level of sound and temperature insulation.

Phase inverter for precision and speed

Pre-wired controls and cabling

Opening speed up to 2.5m/s

Sprint Sectional Overhead Door

The sprint is extremely suited for installation in the outside wall to replace the combination overhead door/highspeed door. The sprint is available with various guide rail systems, its installation is comparable to that of a standard overhead door. The sprint is reliable and easy to use and can therefore be used in numerous locations. The Sprint is designed for both interior and exterior use. Only high-quality material and components are used when installed in an exterior wall - an additional high speed door is not needed.

Performance

Opening speed of 1000mm per second

Maximum Dimensions: 5000mm x 5000mm

Maximum Section Height: 370mm

Track Applications: Normal system, High Vertical Lift

Low maintenance cost

Negotiated the bend with very little resistance

Double tandem rollers for smooth operation and a long life.

Always fitted with a solid 1¼" shaft

High quality bearings combined with specially developed bearing plates.

Special tube support system for maximum stability.

Springs standard 50,000 cycles.

Frequency-controlled drive with soft start and soft stop.

Specially amended control system.

Many options available to ensure the door functions optimally, including radar and pull switch.

Light curtain for optimum safety.



Sectional Insulated Doors

Insulated sectional doors are the main entry point for goods in any industrial unit or warehouse. Using insulated panels overhead doors gives a guaranteed high thermal performance, avoiding cold bridging compared with more traditional roller shutters. Our insulated doors have a thermal performance that is greater than required by building regulations and windows can be installed in a single or multiple panels.

Materials and Manufacture

610mm high galvanised steel stucco-embossed panels with galvanised press-formed steel end stiles. As an alternative, aluminium panels are available. Or polyurethane foam infill, it's 40 or 45mm thick.

At the top, bottom, and sides of the frame, non-absorbent extruded rubber seals are mounted. End stiles, track, and all fittings are galvanised or electro zinc-plated steel as standard; stainless steel is available as an alternative.

Guide track/wheel carriers adjustable to ensure a good weather seal.

Side spring lock fitted.

Torsion spring assembly balances the door, allowing even wide doors to be operated manually. Heavy-duty springs are available for special applications and have a standard life of 20 000 cycles.

Options

Single or multiple double-glazed acrylic vision panels 664mm (W) x 341mm (H).

Pass door within main doors of opening - width up to 4500mm.

Full-glazed panoramic door for full vision and improved day lighting.

Additional security locks.

Sizes

All sizes available.

Appearance

Standard finish: soft white stove polyester.

Alternatives: external face may be colour coat plastisol, PVF2 or cellulose paint finish in any RAL colour to order.

Thermal Performance

40mm thick panels with U-value of 0.49W/m²K.

U-value of 40mm door panels calculated by the finite element method and allowing for panel-to-panel joints is better than 0.7W/m²K, exceeding the requirement of Building Regulations Approved Document L2.

75 or 80mm thick panels with U-value of 0.2W/m²K available for cold stores or other applications requiring extra insulation.





Operation

Manual Operation: Up to 3m high normally by pull rope with lifting handle in the door; above 3m high by geared hand chain.

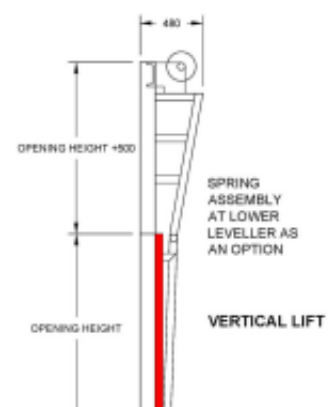
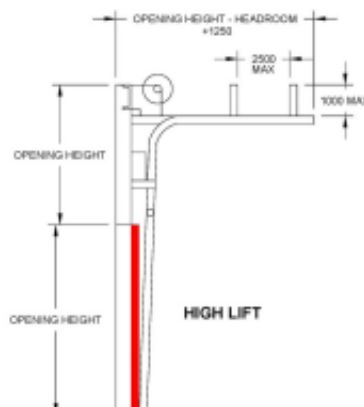
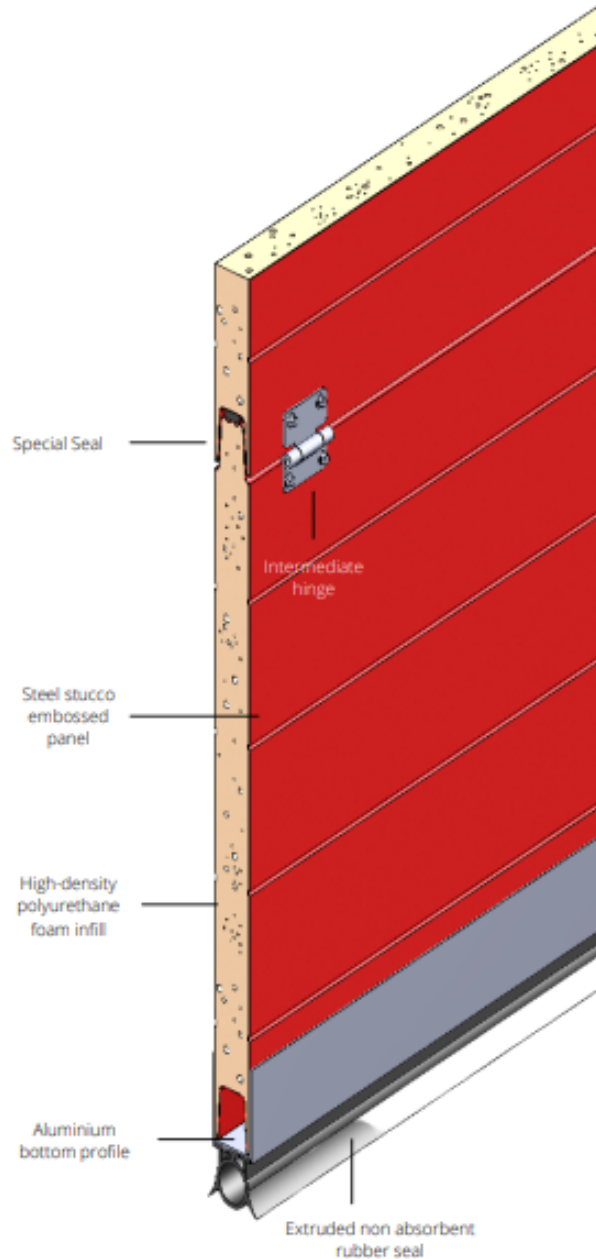
Powered Operation: by 3-phase 415V 50/60Hz electric motor. Push-button control box with deadman feature (hold down to chose)

Options include a range of control systems an automatic activators, pre-wired plug-in motor for faster installation, emergency opening

Safety Features

Cable-break and spring-break safety devices are standard, to prevent uncontrolled door drop.

Optional pneumatic safety edge to bottom panel; stop and returns closing door if an obstruction is met and emergency low-level opening in case of power failure



Roller Shutter Doors

A roller shutter door is a type of door or window shutter consisting of many horizontal slats hinged together to allow the door to raise to open it and be lowered to close it. On larger doors, the action can be motorised.

A roller shutter door is an effective security solution for all types of industrial premises, from new industrial units to factory extensions or refurbishments.

Insulated Roller Shutter

The system is manufactured to meet the highest requirements of roller shutter construction due to ongoing production and design changes. Dock Solution roller shutters are the perfect solution for any modern architecture, whether manufacturing, commercial, retail, or domestic settings, thanks to their sleek, aesthetically pleasing shutter style.

The high quality and compact design of the shutter make it a first option for any structural opening, with a wide range of uses in most applications.

Dock Solutions meets today's architectural demands for aesthetics, reliability performance and safety in use.

Dock Solutions doors use polyurethane foam infill to reduce energy waste from heat 'flow through' and around the curtain.

The outer face of the guide channel has twin vertical brushes, and the inner face has a PVC medium impact strength plastic. The ground contact area is protected by a specially built aluminium extruded bottom section. For simple 'on-site' installation, door brackets are multi-drilled and mirror images, and all head plates are finished in BZP with slot adjustment fittings.

Dock Solutions doors are designed to order to match any opening and are available in galvanised steel or polyester powder coated in a variety of complimentary colours to enhance any modern building design

Roller Shutter - Insulated

Curtain of galvanised steel hollow section laths with polyurethane insulation infill. Injection moulded Nylon-6 end fittings. Bottom edge of yellow extruded plastic section with rubber weather seal

Options:

Vision Panels.

Anti-cut bars for added security.

Innovative Section Design

Aesthetically pleasing profile with curved inner face and improved design gives superior 'roll up' properties, making this door a premium option in a multitude of different applications, from industrial and commercial through to retail and domestic.

Supplied in a variety of hard-wearing RAL colours, this product is suitable for new construction projects requiring unique colours or corporate schemes.

Power Operation

GFA Safe Drive Operator

Benefits:

- Low Maintenance
- Built in safety brake
- Direct drive to roller axle
- Motor controls built-on
- Proven in millions of worldwide installations
- Conforms to EC Regulations
- Manual over-ride via low level chain

Brush Seals

Co-extruded without gluing into ridged PVC carrier

Benefits:

- Low maintenance
- Maximum draught prevention
- Protects surface finish
- Reduces operation noise



Roller Shutter

The high speed is the most economical solution for frequently used building access, combining security with speed in just one construction. Its system and smooth quiet operation make Dock Solutions doors an excellent choice for:

- Hospitals
- Fire stations
- Car dealerships
- Industrial applications

Designed for use outside where speed, insulation, and protection are needed. Through a simple control panel that can be adapted for a variety of activation methods, it provides minimal heat loss with a single reliable operation.

Fire Roller Shutter

High security commercial and service sites, up to 50m². The Dock Solutions fire shutter is tested under BS EN 1634-1:2008 test conditions, and assessed to BS EN 476-22:1987, to contain fire within particular parts of a building for 4 hours. All shutters can be linked to a fire alarm so that they descend automatically when the motor is activated. Additional fail-safe systems, suitable for internal or external face or show fit, are required for higher levels of response to a fire outbreak or alarm.

Casing: Galvanised steel casing and end plates as standard. Where appropriate, large shutters have a barrel support frame (indicated on pricing tables).
N.B. Reveal fix installation are supplied with a fascia as standard.

Finish: As normal, the finish is galvanised. Choose from a variety of plastisol finishes or powder coat any RAL/BS colour (surcharges apply).

Details

Bottom Rail: Galvanised steel 'T' shaped bottom rail.

Guide Channels: Galvanised steel guide channels. Width of 65mm, 75mm or 100mm. Wind locking guides and slat-ends available.

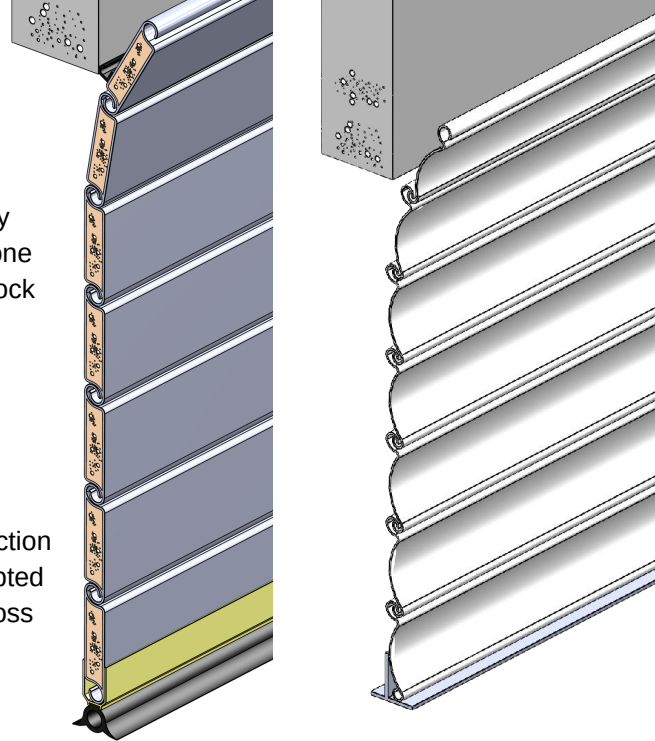
Guide Channel Finish: Galvanised finish as standard. Option to powder coat any RAL/BS Colour.

Operation

Electric - Tubular: To comply with regulations, tubular motors are equipped with a rocker or external key switch as well as a safety brake. As required, there is a manual override option and a crank handle.

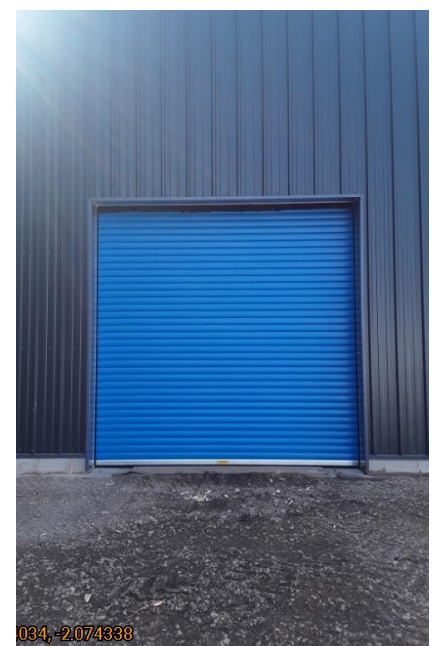
Electric - Outboard: Single phase inline chain driven motor (three phase option available) with push button control, override, fusible link and solenoid release as standard.

All shutters can be linked to a fire alarm system via an interface panel, allowing them to automatically lower in the event of a fire.



Insulated Roller Shutter

Roller & Fire Shutter



Personnel Doors

Various hardware options and colours in this range are available for external and internal doors.

Personnel fire rated designs are to contain and prevent the spread of fire for a specified period of time. These are available in latched and unlatched configurations.

The slim single rebate frame used as standard allows the Personnel Fire Doors to be easily used instead of timber doors.

- Fire Rated Doors up to 240 minutes
- Enhanced Security Features
- Extensive Colour Range
- Wide Range of Vision Panels with or without Frames
- Anti-finger Trap Jambs Available
- Low maintenance
- Various Finishes from Wood and Steel effect to Powder Coating



Aluminium Fire Door

Aluminium profile frames are the most perfect solution for modern property construction. With their elegant surface finish, timeless design and numerous options, they offer virtually limitless possibilities for ambitious architects and planners when designing transparent fireproof and smokeproof seals in building interiors.

Key Features

- Smokeproof to DIN 18095
- Fire resistance to ENV 1627 for T30/f30 (EI30) or T90/F90 (EI90) to DIN 4102
- Burglar resistance to ENV 1627 for T30 (EI30) doors in classes WK 1 or WK 2, optionally WK3
- Door closer, electric opener or anti-panic functions to EN 179 or EN 1125 can be integrated
- Available with "Anodized Aluminium" finish for stainless

PVC Strip Curtains



Our high quality PVC strip curtains deliver the easiest and most economical way to cut energy bills, protect goods and equipment from adverse weather conditions and improve workplace health and safety in areas where uninterrupted passage is essential.

All our products are made using only high quality 'European-grade' PVC. this ensures every curtain we supply will possess outstanding see-through qualities. It will also provide unbeatable energy-saving performance, be hard wearing and long lasting.

Using Strip curtains from Dock Solutions gives you several advantages:

- Saves you money by cutting energy bills
- Protects goods, equipment and employees
- Controls noise, dust and pollutants
- Works as door curtains, canopy walls and internal partitions
- Cost effective replacement strips available



Hook-on headrail System

Unbeatably quick, easy and flexible. Headrails come in standard length that are simply screwed/bolted into position.

Can be surfaced or soffit mounted and ganged-up/cut to fit any width of door.

PVC strips come fitted with steel suspension plates that simply hook on (or off) the headrails for ultimate ease and convenience

Available in stainless steel or galvanised steel

Takes 100mm, 200mm, 300mm & 400mm PVC

Swivel-Hinge Headrail System

The UK's toughest curtain suspension system

Highly recommended for openings where there is heavy and constant use by forklifts.

Headrails are made to measure and come fully assembled ready to hang.

PVC strips are bolted into the hinges so they can't be dislodged.

Robust design reduces the risk of damage and excessive wear and tear.


Over the life of the curtain, this can dramatically reduce repair & replacement costs.

Takes 300mm and 400mm strip widths only.

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