

Delta Aluglaze Aluminium Entrance Systems

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General

Enerco provide the complete package solution for projects of any size involving aluminium structures whether a shop front with manual doors or a complete automatic entrance system. We also offer access control systems and a range of other doors to compliment the installation such as steel doors, roller shutters, curtain walling etc. Please see below for the full list of other products.

Product Type

Aluminium entrance doors and window systems are widely used to form a secure aesthetically pleasing facade but, when buying or specifying doors, numerous options need to be considered to ensure that the final installation meets your operational requirements.



If the door is also a fire door then the provisions of BS 5588 (covering fire precautions in the design, construction and use of buildings) must also be met.

Sliding doors are probably the most effective option in that they provide the most overall benefits. Users don't need to stand clear while the doors open or close regardless of the direction they approach the door.

They are easiest for wheel chair users to operate and they can be made to fit almost any practical opening size. Provided the sensors are reliable and effective, they are most people's first choice. However, the one downside with sliding doors is that you need somewhere for them to slide and that space is not always available, particularly in retrofit projects.

If some space is available then telescopic doors can be used. Here the door is divided into smaller leaves that overlap each other as they slide. This means the overall width needed for the door is less than twice the size of the clear opening.

But, if there just isn't any sliding space available then swinging or folding doors can be used. Swing door operators can be set for either low or full energy operation and can be retro fitted to existing doors so a new door isn't always needed.

Our trained engineers offer qualified advice and will undertake a full risk assessment to ensure that a proposed installation conforms to all safety recommendations as well as meeting your requirements. All our installations are in accordance with BS7036:1996 (Safety at powered doors for pedestrian use) and are carried out by our trained BS7036 accredited engineers.



Enerco has extensive knowledge and experience in the automatic door industry, dealing with a wide range of clients in both the public and private sectors. Our range of automatic door products includes sliding, swing or bi-folding door systems, all tailor-made to suit specific applications.

Materials

The Comar architectural aluminium system employed in our product is manufactured using an extruded aluminium alloy 6 063 T% /T6 to BS1474 with glazing gaskets extruded from EPDM. Our standard framed doors provide a thermal value of 2.5 W/m²K compared with our thermal frames of 1.8 W/m²K

Finishes

The silver, bronze and black anodising is to BS1615 or BS3987. The complete system can also be powder coated in a wide range of colours to suit your architectural requirements to

BS6496

Construction

Doors feature welded construction for supreme strength which is why Enerco offer an unrivalled 2 year warranty on our products. Square cut rails fit neatly into stiles for virtually invisible joints. Multiple brush seals around the doors ensure good weather tightness around the perimeters of the installation.

Glazing

External glazing beads are mechanically fixed into rebates for security. Glass is set dry against glazing tape or EPDM gasket and retained by a wide range of clip in beads which permit glazing thicknesses from 4mm to 40mm

Door Beams

When doors are to be operated automatically we incorporate a door beam again manufactured from single aluminium extrusions which offer maximum strength whilst enhancing the aesthetic appearance of sliding or swing doors. They eliminate the need for aluminium panels or timber packers.



Accessories

Manual doors are supplied with bottom pivot and concealed transom closers for smooth opening and closing control. A variety of locks can be provided including night latch, electric strikes, escape turns, hook locks and many more

Pad handles are standard on most of our doors however various other stainless steel style or other handles are available on request.

Letter boxes can be incorporated into the door leaf or side screen to suit your requirements.



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Operation & Access Control

Traffic flow will usually define the mode of operation. In low traffic areas swing doors can be set to be operated manually by most users with an automated option for disabled users activated either by a push button or a hand held fob. Full access control can also be installed with access by push button, swipe card, key code or proximity sensor. In all cases provision must be made to protect those in the swept area and the choice of correct safety device is vital.

This is less of a problem with low energy operators as their closing speeds are designed to keep the kinetic energy of the door below the safe maximum. In areas of high traffic flow full automation is more likely but this brings additional safety concerns. Microwave motion sensors designed to ease traffic flow need to be combined with "on door" infra red safety sensors that allow the operator to stop or reverse the door upon detection of an obstruction. A full hazard analysis and risk assessment needs to be undertaken.



Each application is different. Consideration should be given to the type of safety equipment and Enerco engineers and technical staff will be able to advise of the requirements.



Whether this is a motion sensor above the door to automatically open the door or on door presence safety sensors we have the answer. The type of access needs to be considered. The Disabled Discrimination Act (DDA) requires the door to be compliant for use with disabled personnel. For this reason various different options are available. From wireless push button stations to proximity fobs we have the answer.

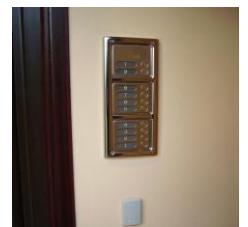
Entry via an audio / visual intercom is also possible maintaining protection of your premises from unwanted visitors. When visitors want to gain access to the property they must press the intercom wait for the reply and the operator decides to activate the operator from their position.



If allowed, the operator simply presses one button which simultaneously releases the magnetic or jamb mounted integral electric door lock at the same time as activating the door operator. If the door is manual, the door is manually pushed open



One area easily overlooked is "What happens in the event of a power failure?" Will the door become manually operable? Will it stay open or, in the case of a fire door, will it not only close but also latch reliably? Enerco can advise of the alternative solutions available.





Installation

Perhaps most critical of all, the installation should be undertaken by an installer accredited to BS 7036:1996 (Safety at powered doors for pedestrian use) and then maintained to that standard thereafter.

This code of practice covers not just the aspects of safety during the opening and closing cycle but also during the installation of the door. It also defines the maximum forces needed to operate the doors manually or breakout during an emergency. It even covers items like signage and the need for an annual inspection. All Axis installations are in accordance with BS7036:1996 and are carried out by our trained BS7036 accredited engineers.

Warranty

The door is supplied with a 24 month parts and labour warranty as standard providing the equipment is serviced by an Enerco approved fully qualified BS7036 door engineer in accordance with the service intervals details above. To satisfy the requirements of the warranty an agreement must be signed and dated within 30 days of the installation date. Failure to service the product in accordance with the service schedule and by unqualified engineers will result in the warranty being null and void.



Servicing

To help protect your investment and extend the effective working life of the equipment, full maintenance packages are available and, in most cases, we can maintain your existing automatic and manual door systems.

We have SSIP certification, Work Safe Contractor, CHAS and Construction Line accreditation as well as being active members of the Doors and Hardware Federation (DHF) where we have their seal of approval for the service and maintenance of doors. We ensure our staff are trained to the highest standard and all have an NVQ qualification in line with current industry guidelines. This NVQ is in addition to the CSCS Health and Safety, First Aid, Asbestos Awareness and other training including product training applicable to our industry and is continually being updated. All members of our technical and engineering staff involved with the specification of our automatic entrance systems are qualified to BS7036.



Other products in the Delta range from Enerco include: -

- Delta Guard – Commercial Shutters
- Delta Roll – Steel Roller Shutter Doors
- Delta Check – Fire Roller Shutter
- Delta Secure – High Speed Security Doors
- Delta Slide – Insulated Overhead Doors
- Delta Insudoor – Insulated Roller Shutters
- Delta Part – High Speed Bi – Parting Doors
- Delta Strip – Strip Curtains
- Delta Steel – Steel Security Door Sets
- Delta Fold – Steel Sliding Folding Shutters
- Delta Level – Dock Levellers
- Delta Lift – Scissor Lifts
- Delta Seal – Dock Sealing Systems
- Delta Shield – Perimeter Security
- Delta Bar – Window Bars
- Delta Grille – Retractable Window Grilles
- Delta Service – Service and Repairs
- Delta Load – Loading Bay Accessories
- Delta Glide – Garage Doors
- Delta Speed – High Speed Door Systems
- Delta Crash – Crash Door Systems

Please contact our sales team for more information on 01525 289322 or a brochure. Alternatively visit our web site www.enerco.co.uk or www.enercohightspeeddoors.co.uk

We reserve the right to change the product data sheets and specification without prior notification