Q Door

Technical Specifications

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Advice Line 0800 072 3444

Q Door

What is it made from

Construced from a composite of polyurethane with a steel reinforced frame between aluminium skins.

Typical Uses or Specific Use

Typical uses are industrial appliance bay doors.

Q Door

Product Overview

Description
Q Door, Bi folding Panel Door

Common use
Industrial

Maximum Width
10000mm

The Door Panel
The door panel is made by robust steel reinforced stretch-frame holding pressure cast Polyurethane foam between outer coverings.
The outer skin can be either plastic coated or galvanised steel 0.6mm thick skin in a profiled design.

The pressure cast Polyurethane foam is completely Freon free making the door the most sturdy and resilient in its class. *(Figure: Of 52Kg density / m3).

The reinforced stretch-frame is 5mm thick steel with anchor profiles to reinforce locks, hinges and mountings for incomparable durability.

Adjustable Hinges
Fixings that do move for operation proposes, have been designed on the basis of simplicity and heavy dimensioning to guarantee extremely low service cost and a long service life in respect of operating functions, corrosions, energy saving Etc.

Two Specifically Developed Hinges That Provide Variations

KGJQ- (Standard hinge) Normally used together with a steel plate door sil 100x100mm that is fitted to the floor. Each time the door moves the steel door is swept off; providing a flat and clean sealing surface. KGJQ is adjustable vertically.

3D Hinge - Is used on flat floors (or if the floor slopes towards the door). Multi dimensional adjustment and lifting movement. Roller bearing runs on the track and lifts the door while moving. To adjust the door and seal vertically and sideways.

Electric operation
All electric operated Q doors are automatic locking

Manual operation
Q Door is operated and locked as standard on the inside using a padlock on an external cremone bolt. As an extra the cremone bolt can be fitted with a cylinder lock (excl. cyl.)

Sealing System
It is important that the door is equipped with a sealing system that withstands ageing that is why there are four different corner-sealing joints placed around the door.

The rubber sealing system gives the door the markets best Insulation and tightness tested values for insulation

Insulted to European Standards
Q doors F4's Sealing system complies with this top European requirement, but at three times the pressure!
*(Figures: The top European class 3 for air leakage describes air leakage (T Value) as at best 1.5m3/m2/h at 50 Pa pressure. I.e. 1.5 m3 / m2 /h to 150 Pa)

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Product Overview

Windows
Windows can be placed in variable combinations and sizes in the door panel as an extra.
The standard windows have aluminium frames, with the option of powder coating.
All window frames are constructed with an open thermal bridge and Toughened Insulated Double Glazed Glass as standard for insulation.

Operating Motor
The motor is simple, reliable and extremely durable. This virtually eliminated any maintenance costs.
There are two versions of motor unit, which operate closing at the rate 8 or 12-second. This choice reduces heat loss by matching the correct speed motor with your access speed be it vehicle or pedestrian.

The Door Holder (Manual Doors Only)
When in the open position the door leafs are held back with the door holder for safety.
The door holder engages and locks when the door is opened and is manually disengaged before closing.
Alternatively doors that open inwards can be fitted with a gas spring controlled door holder with a semi automatic opening mechanism. When the set time limit is reached the door holder deactivates and allows the door to close automatically. No special actions are required to set or close the door.
Electric Doors will self hold open.

Safety Factor
Sensors disengage door movement Built within the sealing system are sensors, when an object touches the rubber seal the sensor is activated and disengaged movement of the door.

Q Door Options
Customising the Q Door to Your Specification adapting

- Sections
- Colour
- Opening inward opening or outward
- Door Stop
- Windows
- Entry door
- Window Grille
- Operation, Manual or electric

Environmental Specification
For example a door 5000mm x 5000mm with 4 panels

- Resistance to Wind load, Class (0-5):5
- Air Permeability, Class(0-6):5
- Thermal ability (U-Value) best average of panel:0,23
- Water tightness, Class (0-3) :3
- Thermal ability (U-Value) complete door:0,9

Product specification may change and it is advisable to consult with HAG technical advisors before specifying or ordering. HAG operates a policy of continuous improvement.

For further information about this product please call the HAG advice line on 0800 072 3444 or email info@hag.co.uk