

Swift Bi-Folding Doors



The Swift door is a side-hung, fast-acting, bi-folding door ideally suited for emergency service appliance bays and other industrial applications where safety, reliability, speed of operation, durability and security are prime considerations.

Automatic operation takes only seven seconds from closed to fully open - regardless of size. In the event of a power failure or for hand-operated doors, manual operation is effortless - allowing access in as little as two seconds.

Suitable for numerous applications in any climate. The Swift provides a low maintenance solution to access needs. Having no bottom track or load bearing lintel, installation is straightforward with minimal construction requirements.

Benefits

- Open fully in 7 seconds and timed automatic closing for immediate security
- Effortless and instant manual operation
- No bottom track - leaving clear threshold
- Minimal maintenance for extended life
- CE Marked. Fully compliant with BS EN 12604 & 12453
- UKAS laboratory tested to 110,000 continuous cycles without replacements of any parts (equivalent of 15 cycles a day for 20 years)
- Fully compliant with Part M for disabled person access
- Tested for Air Permeability - class 2

Swift Bi-Folding Door Specification

Mechanical Specification

Arrangement	Side-hung, insulated bifold.
Opening size	Manual operation (maximum w x h): 5.7 x 6 m. Power operation (maximum w x h): 4.75 x 6 m. Ask BID Group for Swift door size configuration chart for size restrictions.
Track system	Top guide track: Galvanized steel channel mounted back to the surround frame with 6 mm pressed steel brackets. Top guide rollers: Nylon guide wheels running on steel shafts mounted within black aluminium extrusions. Threshold plate: A threshold plate is not supplied but not installing a threshold may reduce the effectiveness of the bottom seals and expedite seal wear.
Door	52 mm Leaf Thickness, with a u value 0.40W/m ² K. Panel construction: 1.6 mm thick cold rolled galvanized dovetail channel frames with 5 mm thick local reinforcement for hardware. The panel to be injected with CFC free expanded polyurethane insulation during the manufacturing process.
Frame	A flush steel goalpost surround frame should be provided in order to install a Swift door. The minimum thickness of material to be 5 mm, and the width of the internal surface to be minimum 150 mm. Note: A surround frame is not included with a Swift door as standard.
Hinges	Jambs The weight of each door half is supported by two pairs of jamb hinges. An M24 vertical adjustment screw, 16 mm hinge pin, and an Igus bush complete the assembly, and provide simple, accurate setting during installation, and a low-maintenance, heavy-duty, low-friction component. Intermediate Apex hinge pairs are machined from solid aluminium extrusions, fitted with sealed for life Igus bushes and 16 mm diameter stainless steel hinge pins. A concealed peg ensures that the hinge pins cannot be removed from the outside. Hinges are finished in black polyester powder coat to RAL 9005(M).
Seals	Flexible rubber seals are fitted to all edges of the door, and between door leaves. All seals are purpose-designed EPDM extrusions, which press into, and blend seamlessly with the door panels. Each seal provides full finger trap safeguarding, and protection against weather, dust and sand.
Locking and handles	Manually operated door Between pairs of leaves to all door configurations: A top and bottom shoot bolt operated via an internal, non-lockable lever handle is fitted in lieu of a drop bolt and pull handle. Power operated door Low Level Manual Release: In the event of power failure the motor can be disengaged using a low-level lever mounted on the inside face of the door. A built in pull handle enables the door to be instantly opened in a single quick action.
Options	<ul style="list-style-type: none"> ■ Power operation equipment: A range of safety and control equipment is fitted or is available to order. ■ Wicket door ■ Vision panels

The company reserves the right to change specification without notice.