

Case Study

Jewers Doors Secures New Light Aircraft Hangar and Fire Station at Old Warden

SUMMARY

Overview

Industry: Aircraft and Helicopter storage

Solution: Osprey sliding, bi-folding doors

Benefits

- Easy to operate and simple to maintain
- Fully insulated for thermal efficiency and noise reduction
- Weathertight seals for low heat loss
- Fully compliant with BS EN 12453 and BS EN 12604



Jewers Doors have recently completed the installation of five of their Osprey sliding-folding doors to new private aircraft hangarage and integral fire station at Old Warden Aerodrome in Bedfordshire.

The Challenge

Old Warden has been an operational airfield since the 1930s and houses the Shuttleworth Collection, an internationally acclaimed collection of some of the last airworthy aircraft of their type remaining anywhere in the world. As well as a working aircraft museum, it is also a private unlicensed aerodrome but there was a growing demand for additional space for private enthusiasts to store and fly their own aircraft from Old Warden.

Osprey Sliding-Folding Doors

The new building is 110 m wide x 24 m deep and comprises two 1150 m² hangars which will each accommodate between 12 and 18 aircraft. Between the two hangars is a 290 m² fire station which will house one large fire appliance and 4 smaller Land Rover appliances. Each of the hangars is accessed by two Osprey doors measuring 17.7 m and 11.8 m wide, each at 4.3 m high. The larger openings are secured by sixteen-leaf Osprey sliding-folding doors, while twelve leaf Ospreys secures the smaller openings. In the centre is the fire station, which is fitted with an eight leaf Osprey door.



Speed, Safety and Security



These doors are manually operated and bi-parting, with equal pairs of leaves hinged at each jamb, ultimately folding into a footprint no more than 1m² at each jamb. This leaves very wide openings for aircraft access and makes it easier for pilots to park their aircraft. In the closed position the doors are completely flat across the opening and are secured by full-height, internal espagnolette bolts to each pair of leaves, which engage into the bottom and top track. A lever handle withdraws each bolt to allow the door

leaves to be easily pushed aside to create the wide openings.

Do you need a full inspection report on an old or failing door or a professional company to survey openings and quote a price for new doors?

Jewers Doors are a DHF accredited company and operate under strict guidelines to advise on the best and safest solution for each application and provide an expert service that is second to none.

For further information e-mail Mark Jewers mjewers@jewersdoors.co.uk

About Jewers Doors Ltd

Jewers Doors is a world-leader in the design, manufacture, installation and repair of industrial doors across all industrial sectors.

Jewers Doors have been installed not only in the UK, but also throughout the world including Europe, Middle and Far East and New Zealand.

The Phoenix range of doors combine robustness, durability and aesthetic appeal with modern technological advancements.