

ARMOURPOST



L I M I T E D

HIGH SPEED DOOR OVERVIEW

Our High Speed Doors are a robust product ideally suited to protect pharmaceutical premises with openings up to 3000mm wide x 3000mm high, in addition to providing ease of operation of such small openings with traffic flow, the doors are designed to reduce your carbon footprint by reducing heat loss, providing a sound barrier and controlling dust.

Each door is made to measure, CE marked, and fitted with a direct drive motor with integral safety brake, ensuring each product complies with European directives and gives you peace of mind.

Each design has been thoroughly tested and inspected by Exova enabling us to issue Declaration Of Performance.

All our High Speed Doors are manufactured in house at our facility in Leigh and are subject to continuous product development, ensuring the products we offer are of the highest quality whilst maintaining ease of installation.

Each High Speed Door can be designed manufactured to suit your specific requirements using the latest technology from the three leading Industrial Door Motor suppliers, GFA, Link Controls and Ellard, our dedicated team can give advice and technical support, we can back up an already high quality product with first class service and support.

Options

- Traffic Lights
- Pull Cords
- Induction Loops
- Radar
- Remotes
- Powder coated to any standard RAL or BS number
- Special colours available at customer request

TECHNICAL SPECIFICATION

Door Curtain

4mm thick PVC curtain with or without vision panel. Curtain is welded together using the latest plastic welding technology. The base of the curtain is fitted with a heavy duty box section to form the bottom rail, which gives high impact resistance. Each end of the bottom rail have sacrificial knock-out tabs to assist in the prevention of major damage to the door. Blue finish as standard, other colours available upon request.

Barrel

5" Outside diameter Electric Resistance Welded tube (BS 6323), complete with uniquely

machined mild steel bearing support blocks at each end, complete with high quality “sealed for life” bearings.

Guides/Endplates

Endplates are constructed from 6mm thick mild steel plate (BS 1449), the motor side endplate is prepared with the appropriate fixing holes according to the type of motor being used, the non-motor end is fitted with a safety brake. The endplates are attached to the side guides using high tensile hexagon head set screws. The side guides are fabricated from 3mm thick pre-folded steel sections, the side guides support the barrel curtain and motor assembly.

Knock-Out Tabs

Hard wearing and low impact resistant acrylic end cassettes are fitted to each side of the bottom rail. If the door is impacted, one or both cassettes break off reducing the risk of severe damage to the bottom rail. These cassettes can be replaced by on-site maintenance personnel reducing down time and call out charges.

Canopy

All doors are supplied complete with a pre-galvanised BS729:1971 canopy and external motor cover. The canopy and motor coated are powder coated blue as standard.

Electrical Specification

Motor drive unit

Three phase 400v AC worm gears and brake motor, incorporating limit switches for open and close cycles. Door can be used in manual in the event of a power failure

Control Panel

The control panel can be programmed via the LED with the run time, automatic or semi automatic running, auto return timer (0-240 seconds). Limit switch, photocell and safety edge monitoring and optional contact for warning lights. The control panel has been specially designed for high speed doors and combines the door control features and variable speed inverter to provide a smooth operating door. The LED also shows the number of cycles the door has completed and the last five most recent faults. The control panel also incorporates a open and close button, emergency stop and isolator.

Safety features

A 2meter light curtain is fitted providing a closing safety device causing the door to stop immediately if the beam is broken at any point before reaching the floor.

A crank handle can be fitted to the bottom for manual operation

Actuation

The following options are available

Induction Loops

Remote push buttons

Remote pull switches

Key fob/hand held/ fork truck mounted transmitters

Radar movement detectors

Remote photoelectric cells

Site requirements

Three phase and neutral isolator or single phase and neutral isolator need to be fitted to the side of the opening. Fed from a 16Amp C rated circuit breaker to be made available 1m from the door opening to the drive side of the door.

Warranty / Guarantee

12 months or 250,000 cycles parts and labour excluding damage not caused by normal operation

Please Note – This door is designed for internal applications only that are not subject to any wind pressure or wind loading.