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NBS L20/610

SPIRAL DOOR

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APPENDIX 18

FORTRESS DBT-MG INSULATED SPIRAL PANEL DOOR

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|--------------------------|---|
| Product Reference | Fortress DBT-MG Industrial Panel Spiral Door. |
| Description | A double-skinned thermally insulated aluminium panelled door designed for reducing building energy consumption. |
| Application | Recommended for factories/ warehouses/ garages where traffic flow can be optimised whilst minimising temperature fluctuations. |
| Size | Maximum recommended dimensions up to 6500mm x 6000mm. Last revision January 2016. Larger sizes by specification. Please consult Fortress SEFA for advice. |
| Performance | BS EN 52210 dB Acoustic performance: Level Difference D_w value 26dB. BS EN 12428 Thermal Performance: Insulated rigid panel material U Value 0.6 w/m ² K. Whole door assembly 1.90 w/m ² K based on 25m ² BS EN 12425: Water Ingress Class 3 @ 150pa BS EN 12424:2000 Resistance to wind load: Up to Classification 4. CE-marked: Product Standard BS EN 13241-1 2003 + A1:2011. BS EN 12604 Industrial, commercial and garage doors and gates. Mechanical aspects - Requirements. BS EN 12453 Industrial, commercial and garage doors and gates. Safety in use of power operated doors - Requirements. BS EN 12424 Industrial, commercial and garage doors and gates. Manufacturer's Declaration of Conformity in accordance with the Construction Products Directive 2013. Manufacturer's Declaration of Incorporation in accordance with the Machinery Directive 98/37/EC. |
| Arrangement | Vertical spiral sectional door for internal or external face fixing. |
| End Plates | Depending on curtain size/weight, steel plates finished with one coat BS EN 12206-1 DuPont® polyester powder coated RAL 9006 finish. |
| Panels | Aluminium insulated panels 225mm x 40mm. Door panels can be solid, include vision panels or be fully glazed. 40mm insulated CFC-free rigid polyurethane foam, density 40kg/m ³ . Panels have a U value of 0.6 W/m ² K and are completed with pre drilled galvanised steel end caps. The door curtain is completely counter balanced using Fortress SEFA counterbalance system. EPDM 2mm thick weather proof seals to top and side reveals. |
| Panel Options | Fully glazed panoramic glazed windows or perforated ventilation providing 30% airflow. |
| Tracks | Self supporting frame Vertical Tracks, EPDM 2mm thick Side Seals. |
| Hardware | Doors supplied with adjustable side hinges complete with carriers, intermediate hinges, nylon and stainless steel rollers. |
| Speed | Up to an opening speed of 2.5m/s in the opening cycle and 0.5 - 0.8m/s in the closing cycle. |
| Finish | Door panels come in the following standard RAL colours, RAL 9006 Silver, RAL 7035 Grey, RAL 9003 White and RAL 5005 Blue |

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Operation

BS EN 12453 Fortress Frequency Inverter Drive System™ 415 Volt 3-phase operator with low voltage controls and safety brake system. Standard door activation is by push button controls.

BS EN 12453 Automated safety control system operated through a photocell light through beam sensor and a self-checking safety edge.

Automatic closing is a feature of this door - increments set to specification. The Fortress Frequency Inverter Drive System™ has a manual override for use in the event of power failure.

OPTIONAL EXTRAS

Electrical

2.5m high light beam sensor will detect the presence of a person or object that interrupts the light beam providing a non-contact safety system.

Radar sensors.

Induction loop card.

Traffic Lights

Pull cord

Motor hood

Remote control receiver and transmitters

Services

Fortress SEFA provides a full technical advice service.

NBS Specifications.

RIBA CPD.

Manufacturing Partner

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