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NBS L20/610

SPIRAL DOOR

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APPENDIX 18a

FORTRESS DBT-MG EVO3 INSULATED SPIRAL PANEL DOOR

Product Reference	Fortress DBT-MG EVO3 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 8000mm x 8000mm. Larger sizes by specification - Please consult Fortress SEFA for advice.
Performance	BS EN 52210 dB Acoustic performance: Level Difference D_w value 25dB. BS EN 12428 Thermal Performance: Insulated rigid panel material U Value 0.6 w/m ² K. Whole door assembly 1.50 w/m ² K. BS EN 12425: Water Ingress Class 3 @ 150pa BS EN 12426-7 Air Permeability Class 2 BS EN 12424:2000 Resistance to wind load: Classification 3. 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 229mm x 50mm. Door panels are 50mm insulated CFC-free rigid polyurethane foam, density 50kg/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	Solid only
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 1.0m/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 7045 Grey, RAL 9003 White. Other colours available to special order

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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.

OPTIONAL EXTRAS Electrical

BS EN 12453 Automated safety control system operated through a photocell light through beam sensor and a self-checking safety edge.
Automatic closing is an optional feature of this door - increments set to specification. The Fortress Frequency Inverter Drive System™ has an emergency manual override for use in the event of power failure.
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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