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## NBS L20/570

## HIGH SPEED DOOR

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## APPENDIX 10

## FORTRESS DB501 FABRIC SPEED DOOR

<b>Product Reference</b>	Fortress DB501 Speed Door.
<b>Description</b>	Fortress DB501 door is a fast rolling door designed to restrict access, optimise traffic flow, maintain temperatures, increase light and reduce energy loss. Recommended for factory, warehouse and distribution applications. Suitable for internal and external applications.
<b>Application</b>	Recommended for factories/ warehouses.
<b>Size</b>	Under standard construction dimensions up to 6500mm x 8000mm. Last revision January 2016. Larger sizes by specification. Please consult Fortress SEFA for advice.
<b>Performance</b>	Opening/closing speed 0.75m/s variable via inverter panel. Acoustic performance: Weighted Level Difference $D_w$ value 20dB. 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. Resistance to wind load: BSEN 12424:2000, Classification 3 (3000w x 3000h). 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.
<b>Arrangement</b>	Vertical stacking PVC curtain for face fixing.
<b>Barrel</b>	Mild steel tube finished with one coat rust inhibitive primer.
<b>Self Support Frame Structure</b>	3mm folded Z-steel 180mm x 200mm x 180mm assembly houses the barrel and curtain assembly, complete with 100mm nylon brush seal to both sides to reduce noise in operation, prevent air infiltration and provide a weather seal. NB. Structure requires a minimum head room of 750mm above opening height and a minimum side room of 200mm with an additional 350mm to operator side.
<b>Curtain</b>	BS EN 12424 960mg/m <sup>2</sup> dark blue PVC curtain panels, 500mm in depth, with integrated 40mm profile aluminium extrusions to provide curtain rigidity and resistance to wind pressure. One section of curtain panel is fabricated from transparent PVC to provide a vision panel detail. BS EN 12453 Self-checking safety edge will stop and reverse the door movement immediately upon contact with an obstacle. BS EN 12453 Photocell light through beam sensor for non-contact safety system.
<b>Finish</b>	Standard finish is dark blue PVC curtain and galvanised steel door structure.
<b>Operation</b>	BS EN 12453 Fortress DB501 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. An interlock facility is available inside the panel allowing a security shutter to combine in operation with the DB501 SMART. BS EN 12453 Fortress DB501 Drive System™ has a manual override for use in the event of power failure.

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### 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

#### Mechanical

Additional transparent PVC vision panels for increase light  
Motor hood

#### Finishes

Door frame structure can be supplied BS EN 12206-1 DuPont® polyester powder coated (PPC) to the Fortress Pro-Tec range of 29 BS and RAL colours. Matt PPC finishes only. All finishes are applied in-house using an electrostatic process. Under normal circumstances average film thickness of 60-80µm (microns) is applied. Non-standard colours are available on request - this may increase lead times. Please consult Fortress SEFA for advice.

#### Standard DuPont® Colour Range

BS 00A05; BS 08B29; BS 04E53; BS 12B27; BS 18B25; BS 18E53; RAL 1015; RAL 1021; RAL 3005; RAL 3020; RAL 5003; RAL 5005; RAL 5010; RAL 5013; RAL 5015; RAL 6005; RAL 6029; RAL 7016; RAL 7021; RAL 7031; RAL 7035; RAL 7037; RAL 8016; RAL 9001; RAL 9005 (BLACK); RAL 9006 (SILVER); RAL 9007; RAL 9010 (WHITE); RAL 9910.

#### Services

Fortress SEFA provides a full technical advice service.  
NBS Specifications.  
RIBA CPD.

#### Manufacturer

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