

Head Office:
06 Trench Road, Hyde Park Industrial Estate T +44 (0)28 9034 2655
Newtownabbey, Belfast, BT36 4TY F +44 (0)28 9034 2651

sales@fortress-sefa.com
www.fortress-sefa.com

NBS L20/610

ROLLER SHUTTERS

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APPENDIX 01a

FORTRESS DB100 HIGH DUTY INDUSTRIAL DDO

Product Reference	Fortress DB100 Industrial Roller Shutter with Direct Drive Operator
Description	A single skinned steel roller shutter designed for large structural openings and high usage.
Application	Recommended for factories/ warehouses, carpark entrances or any high usage areas.
Size	Maximum recommended dimensions up to 8000mm x 6000mm. Last revision January 2019. Larger sizes by specification. Please consult Fortress SEFA for advice.
Performance	Acoustic performance: Weighted Level Difference D_w value 22dB. 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 5. 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 roller shutter for face fixing.
Barrel	Mild steel tube finished with one coat rust inhibitive primer.
End Plates	8mm mild steel slotted plates finished with one coat rust inhibitive primer or BS EN 12206-1 DuPont® polyester powder coated (PPC) finish.
Curtain	Interlocking galvanised steel laths, 100mm in depth, with a solid flat profile restrained laterally by end locks riveted to both ends on alternate laths. Fortress Wind lock System™ and Retention Test Certification to lath. BS EN 12453 Galvanised steel roll-formed base bar with Fortress Anti-Catch System™ designed to avoid any lifting hazard. Base bar complete with interlocking rubber seal to prevent vermin access, water ingress and unwanted air movement.
Guides	BS EN 12424 Fortress DB100 G-channel™ 2.5mm steel roll-formed guides with concealed fixing and wind locking channel. A nylon and brush extrusion profile ensures no sharp edges are exposed. DB100 G-channel™ complete with steel plated steel caps and nylon edge protection with mohair anti-friction strip to reduce friction and noise produced by the shutter action.
Finish	Standard finish is a galvanised steel curtain and guides with non-galvanised components lacquered.
Operation	BS EN 12453 Fortress DB100 60% duty Direct Drive System™ 415 Volt 3-phase operator with push button controls, supplied with hand chain operation for use in the event of emergency open/closure.

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OPTIONAL EXTRAS

Operating Controls

BS EN 12453 Hold-to-run and dead-man close automation for applications Where there are untrained door users. Drive unit incorporates a manual release for emergency use only by hand chain. The motor has a high duty rating of 60%

Electrical

Self-checking safety edge (will stop and reverse the door movement immediately upon contact with an obstacle).
Photocell (light beam sensor will detect the presence of a person or object that interrupts the light beam providing a non-contact safety system).
Radar sensor (Optional).
Auto time return control panel.
Induction loop card (Optional)
Remote control receiver and transmitters (Optional)

Curtain Type

Fortress 4mm oval perforation allowing 30% free airflow.

Finishes

Door curtain and guides 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

Fortress Pro-Tec Ltd. 120 Old Coach Road, Templepatrick, Ballyclare, County Antrim, BT39 0HA.
Tel: +44 (0)28 9443 3693. Fax: +44 (0)28 9034 2651.
Email: info@fortress-sefa.com Web: www.fortress-sefa.com