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NBS L20/610

ROLLER SHUTTERS

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APPENDIX 07c

FORTRESS FC100 HEAVY DUTY COMMERCIAL

Product Reference	Fortress FC100 Commercial Roller Shutter.
Description	A single-skinned galvanised steel roller shutter designed to protect the building from the unwanted attentions of both the opportunist and the planned attack thief.
Application	Fortress FC100 is ideally suited to larger office, commercial and retail premises. Typical applications include exhibition halls, shopping centres, department stores, shop fronts, schools, hotels and community buildings.
Size	Under standard construction dimensions up to 6100mm x 3500mm. Last revision August 2008. Larger sizes by specification. Please consult Fortress SEFA for advice.
Performance	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. BS EN 1627:2011 up to level 2 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	4mm-6mm (depending on curtain size/weight) mild steel plates finished with one coat rust inhibitive primer.
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.
Coil Casing	BS EN 12453 galvanised sheet steel coil casing as standard.
Finish	Standard finish is galvanised steel curtain, guides, coil casing and bottom rail, with non-galvanised components finished with one coat rust inhibitive primer.
Operation	BS EN 12453 Fortress FC IBM™ single-phase operator with normal day to day operation by low voltage key switch (24 Volt).

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OPTIONAL EXTRAS

Operating Controls

BS EN 12453 Fortress 2149/ 2035 controls complete with self-checking safety Edge and photocell for applications where there are untrained door users.
2020 Low voltage unit for 24 Volt control.
2035 Auto remote/ Dead-man close.
2134 Group command.
2 button handset.
4 button handset.
BE Easy remote with up/down control.
Rocker switch.
Keyed switch system for alarm interface.

Accessories

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).

Curtain

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

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