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NBS L20/610

ALUMINIUM SHUTTERS

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APPENDIX 20a

FORTRESS CSG84 ALUMINIUM COMMERCIAL SHUTTER

Product Reference	Fortress CSG84 Aluminium Commercial Roller Shutter.
Description	A single-skinned aluminium roller shutter designed to protect the building from the unwanted attentions of both the opportunist and the planned attack thief.
Application	Fortress CSG84 is ideally suited to domestic, commercial and retail premises. Typical applications include offices, shopping centres, department stores, shop fronts, schools, hotels and community buildings.
Size	Under standard construction dimensions up to 6000mm x 3000mm. 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. 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 or reveal fixing.
Barrel	Galvanised steel tube finished.
End Plates	Aluminium die cast end plates 3mm available in 250mm, 305mm & 350mm depending upon shutter height.
Curtain	Interlocking single walled extruded aluminium laths, 84mm high, with a solid curved profile restrained laterally by end locks riveted to both ends on alternate laths. BS EN 12453 aluminium L formed base bar with Fortress Anti-Catch System™ designed to avoid any lifting hazard.
Guides	BS EN 12424 Fortress Box channel™ 3mm extruded aluminium guides 90mm wide x 26mm deep, with integrated box section for reinforcement and to facilitate fixing. Fortress high density 5mm pile brush seals for quiet and smooth operation.
Coil Casing	BS EN 12453 roll formed aluminium casing in 2 sections, top & bottom boxes. Bottom box is chamfered at 45 degrees and is designed to be removable to allow installation and future maintenance.
Finish	Standard finish is white RAL 9016 and brown RAL 8019.
Security Features	Standard electrically operated shutters lock automatically at the top when in the fully closed position. For manually operated shutters there are guide locks or espagnolette base bar locks.
Operation	BS EN 12453 Fortress FC IBM™ single-phase operator with normal day to day operation by low voltage rocker switch (24 Volt). Comes as standard with a manual hand crank in the event of power failure.

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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.
UPS 240v battery back up unit
2134 Group command.
2 button handset.
4 button handset.
BE Easy remote with up/down control.
Key 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

Punched sections 100w x 52h in a brick bond or inline pattern, providing 48% 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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