

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 03

FORTRESS DBF75 FIRE INDUSTRIAL

Product Reference	Fortress DBF75 Industrial Fire Roller Shutter.
Description	A single-skinned galvanised steel roller shutter designed to protect the building from the unwanted attentions of both the opportunist or planned attack thief and fire.
Application	Recommended for factories/ warehouses/ garages.
Size	Maximum recommended dimensions up to 6000mm 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. Fire performance: 4 hours fire resistance BS EN 1634-1 +A1:2018 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	6mm-8mm (depending on curtain size/weight) mild steel plates finished with one coat rust inhibitive primer or BS EN 12206-1 DuPont® polyester powder coated (PPC) finish.
Curtain	Interlocking galvanised steel laths, 75mm in depth, with solid curved 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 DB80 G-channel™ 3mm Z-steel roll-formed guides with concealed fixing and wind locking channel. Fortress DB80 G-channel™ patented roll-formed guide design ensures that no sharp edges are exposed
Finish	Standard finish is a galvanised steel curtain and guides with non-galvanised components lacquered.
Operation	BS EN 12453 Fortress DBF75 30% duty Chain Drive System™ 415 Volt 3-phase or 1-phase operator with push button controls, supplied with hand chain operation for use in the event of emergency open/closure. Shutter motor comes with a fuse link as standard.

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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 of hand chain.

Accessories

DBF1: 24 Volt electrical signal will trigger the door to drive closed under power.
DBF2: 24 Volt electrical signal will trigger the door to: close under power control/ part close/ close under smoke detection signal/ close when signalled by fire alarm/ close on timer/ show a visual display 'Shutter Closing'/ sound an audio warning/ trigger a controlled descent unit activated by a battery backup power system.

DBF3: Thermal fusible link (activates at 68 degrees Celsius)

DBF4: 24 Volt release, 240 Volt reset, solenoid brake release system. This unit allows the roller shutter to close under controlled descent and be reset after trigger is released.

Galvanised sheet steel coil casing or fascia hood.

Motor hood (BS EN 13241-1: all moving parts to be covered by casing on all Shutters less than 2500mm high).

Brush seal to head.

High security ground lock.

Battery backup - 240 Volt single-phase operation (maximum dimensions 4500mm x 4500mm).

Micro switch.

Electrical

Photocell (light beam sensor will detect the presence of a person or object that interrupts the light beam providing a non-contact safety system).

Audio Visual Fire Alarm Interface Panel

Audio visual Slave Interface Panel

Curtain

N/A.

OPTIONAL EXTRAS 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