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**NBS L20/610**

**ROLLER SHUTTERS**

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**APPENDIX 02b**

**FORTRESS DB75 INDUSTRIAL DDO c/w TUBE & LINK  
GRILLE**

<b>Product Reference</b>	Fortress DB75 Industrial Roller Shutter & Direct Drive Operation with Tube & Link curtain.
<b>Description</b>	A single-skinned galvanised steel roller shutter designed for industrial duty applications where there is a high volume of traffic.
<b>Application</b>	Recommended for factories/ warehouses/ garages/ car parks.
<b>Size</b>	Under standard construction dimensions up to 6000mm x 6000mm. Last revision January 2019. Larger sizes by specification. Please consult Fortress SEFA for advice.
<b>Performance</b>	Acoustic performance: Weighted Level Difference $D_w$ value N/A. 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.
<b>Arrangement</b>	Vertical roller shutter for face fixing.
<b>Barrel</b>	Mild steel tube finished with one coat rust inhibitive primer.
<b>End Plates</b>	8mm mild steel slotted plates finished with one coat rust inhibitive primer or BS EN 12206-1 DuPont® polyester powder coated (PPC) finish.
<b>Curtain</b>	Constructed from M8 galvanised steel rods with aluminium mill finish tubes and links give a 225mm x 75mm brick bond or inline pattern providing 80% free airflow. Rods are restrained by end caps pressed onto each end rod. 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..
<b>Guides</b>	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.
<b>Finish</b>	Standard finish is a galvanised steel curtain and guides with non-galvanised components lacquered.
<b>Operation</b>	BS EN 12453 Fortress DB75 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 of hand chain.

**Accessories**

Wicket gate - standard size 600mm x 1830mm, complete with lock, handles and safety locking system.  
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 under 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**

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.  
Auto time return control panel.  
Induction loop card.  
Remote control receiver and transmitters

**Curtain**

Aluminium steel tube & links with 80% free area.

**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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