

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

Version 07/Jan 2019/Page 1 of 2

### APPENDIX 05c

### FORTRESS DBi101 INSULATED SR3 SHUTTER DDO

|                          |  |
|--------------------------|--|
| <b>Product Reference</b> | Fortress DBi101 LPS1175 SR3 Industrial Roller Shutter.   |
| <b>Description</b>       | A double-skinned thermally insulated steel roller shutter designed for reducing building energy consumption and noise produced by wind loading and shutter action.   |
| <b>Application</b>       | Recommended for High Risk national assets/ warehouses/ Banks.  |
| <b>Size</b>              | Maximum recommended dimensions up to 6000mm x 6000mm.<br>Last revision January 2019. Larger sizes by specification.<br>Please consult Fortress SEFA for advice.  |
| <b>Performance</b>       | Acoustic performance: Weighted Level Difference $D_w$ value 25dB.<br>Thermal Performance: Insulation material U Value 0.7 w/m <sup>2</sup> K<br>LPCB LPS1175 security level 2 & 3<br>Secure by Design<br>CE-marked: Product Standard BS EN 13241-1 2003 + A1:2011.<br>BS EN 12604 Industrial, commercial and garage doors and gates. Mechanical aspects - Requirements.<br>BS EN 12453 Industrial, commercial and garage doors and gates.<br>Safety in use of power operated doors - Requirements.<br>BS EN 12424 Industrial, commercial and garage doors and gates.<br>Resistance to wind load: BSEN 12424:2000, Classification 5.<br>Manufacturer's Declaration of Conformity in accordance with the Construction Products Directive 2013.<br>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 <sup>®</sup> polyester powder coated (PPC) finish.   |
| <b>Curtain</b>           | Interlocking galvanised steel laths, 100mm in depth, with dual ribbed solid flat profiles restrained laterally by end locks riveted to both ends on each lath.<br>Curtain complete with 100% FCF-free expanded polystyrene insulated core.<br>Fortress Wind lock System <sup>™</sup> and Retention Test Certification to lath.<br>BS EN 12453 Galvanised steel roll-formed base bar with Fortress Anti-Catch System <sup>™</sup> designed to avoid any lifting hazard.<br>Base bar complete with interlocking rubber seal to prevent vermin access, water ingress and unwanted air movement.   |
| <b>Guides</b>            | BS EN 12424 Fortress DB100 G-channel <sup>™</sup> 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 <sup>™</sup> 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.<br>Each guide also includes an interlocked security bullet lock, to ensure the shutter curtain cannot be jacked or prised open during a physical attack. Anti-jemmy steel protection strips run the full height of the shutter guides.  |
| <b>Finish</b>            | Standard finish is a galvanised steel curtain and guides with non-galvanised components lacquered.   |
| <b>Operation</b>         | BS EN 12453 Fortress DB100 high 60% duty Direct Drive System <sup>™</sup> 415 Volt 3-phase operator with push button controls, supplied with hand chain operation for use in the event of emergency open.  |

We reserve the right to alter specifications without prior notice. Copyright © 2016 Fortress SEFA LLP.

|         |           |          |         |            |        |
|---------|-----------|----------|---------|------------|--------|
| Belfast | Dublin    | Dundee   | Glasgow | Manchester | London |
| Uppsala | Stockholm | Göteborg | Malmö   | Gdańsk     | Warsaw |

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

Version 067/Jan 2019/Page 2 of 2

### APPENDIX 05c

### FORTRESS DBi101 INSULATED SR3 SHUTTER DDO

#### 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

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 3000mm x 3000mm).  
Micro switch interlock controller.

##### 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).  
Remote control receiver and transmitters

##### Curtain

N/A

##### 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