

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 L20/480

## METAL DOORSETS

Version 06/Jan 2016/Page 1 of 2

### APPENDIX 06h

### FORTRESS SDS15 & SDS18 STEEL SPORTS HALL DOORSET

<b>Product Reference</b>	Fortress FSD15 or FDS18 Double Steel Sports Hall Door set.
<b>Description</b>	Flush double steel door set with a hollow metal construction designed for sports hall applications.
<b>Size</b>	Structural opening size: Standard 1575mm x 2100mm or 1800mm x 2100mm Frame size: 1565mm x 2095mm or 1790mm x 2095mm Door leaf size: 784mm x 2039mm or 884mm x 2039mm
<b>Performance</b>	Insulation Material Thermal performance: U-value 0.363 W/m <sup>2</sup> K Door Assembly Thermal performance: Max U-value 1.6 W/m <sup>2</sup> K when insulated. Acoustic performance: Up to Weighted Level Difference D <sub>w</sub> value 35dB. Air permeability: 2.0m <sup>3</sup> /hr/m <sup>2</sup> Fire performance: 4-hour fire resistance BS 476: Part 22 (1987). Security rating EN1627 2012: RC level 1 or 2. Sports England compliant BS EN 12206-1 (2004) Application of architectural powder coating. BS EN 1634-3 (2004) Fire resistance testing: Smoke control seals (where required in door schedule).
<b>Door Leaf</b>	Two skins of 1.2mm galvanneal steel sheet pressed to form a 45mm thick door leaf. Lock seamed with reinforced epoxy resin, high viscosity, thixotropic sealant along the hinge and lock edges for additional rigidity. Door is blanked, reinforced, drilled and tapped for mortised, templated hardware. Door reinforced, where required, for surface mounted hardware. Leading edge of the active leaf incorporates a security astragal. 1.2mm internal rebound panel 55mm deep, face fixed to internal door skin to make the internal skin flush with the internal door frame
<b>Door Core</b>	Bonded non-fibrous honeycomb core: structural small cell (25mm) max Kraft paper honeycomb laminated under pressure to face sheets.
<b>Door Core Options</b>	Standard honeycomb Dufalite or Rockwool insulation.
<b>Frame</b>	1.6mm galvanneal steel knock-down & welded construction with internal reinforcing to receive standard hardware. Butt corners allow for a clean uniform appearance and rapid assembly and installation. Strike and hinge jambs can be adjusted in length to suit finished floor levels.
<b>Threshold</b>	A shallow depth extruded steel profile gives additional strength to the frame; aiding weatherproofing and sound reduction.
<b>Hardware</b>	Door leaves are hung with 3 No. 100mm stainless steel hinges. For added security an internal dog bolt security pin hinge can be supplied which prevents the door from being removed from the opening by forced entry. High-frequency hinge reinforcement with a return bend for additional strength. As standard, doors are provided with Fortress hardware solution for architectural ease.
<b>Finish</b>	Door leaf and frame are supplied BS EN 12206-1 polyester power coated (PPC) to the Fortress Pro-tec range of 29 BS and RAL colours from DuPont®. 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. Poly Zinc Marine grade PPC available upon request.

**Head Office:**

06 Trench Road, Hyde Park Industrial Estate  
Newtownabbey, Belfast, BT36 4TY

T +44 (0)28 9034 2655  
F +44 (0)28 9034 2651

sales@fortress-sefa.com  
www.fortress-sefa.com

**NBS L20/480**

**METAL DOORSETS**

Version 06/Jan2016/Page 2 of 2

**APPENDIX 06h**

**FORTRESS SDS15 & SDS18 STEEL SPORTS HALL  
DOORSET**

**Options**

Over panels.  
Mullions. Transoms.  
Sills. Weather Bars  
Standard Vision panels & Fire Rated Vision Panels.  
Standard Louvres & Fire Rated louvres.  
Extended Frames

**Accessories**

Exidor 400 series Panic bolt.  
Exidor 400 series Panic latch.  
Fortress Door closer.  
Fortress Sash lock, Lever handle, Escutcheons & Double Euro Cylinder  
Fortress Deadlock, Escutcheons & Double Euro Cylinder  
Fortress Night Latch, Lever handle, Escutcheon and Half Cylinder  
Fortress Pull Handles.  
Fortress concealed shoot bolts  
Fortress door selector  
Fortress Kick/push plates.  
Fortress Friction stays.  
Weather seal. Smoke seal. Acoustic Seal

**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