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## NBS L20/480

## METAL DOORSETS

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### APPENDIX 060

### FORTRESS XD18 DOUBLE STEEL DOORSETS

<b>Product Reference</b>	Fortress XD18 Double Steel Security Door Set.
<b>Description</b>	Flush double steel security door set with a hollow metal construction designed for industrial and commercial applications.
<b>Size</b>	Structural opening size: Standard 1800mm x 2100mm Non standard sizes available upon request.
<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 insulated. Acoustic performance: Up to Weighted Level Difference D <sub>w</sub> value 40dB when incorporating acoustic seals. Air permeability: 2.0m <sup>3</sup> /hr/m <sup>2</sup> Fire performance: 4-hour fire Integrity & 30 min Insulation resistance to BSEN 1634. Security rating : N/A 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 60mm thick door leaf. Lock seamed with reinforced epoxy resin with 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.
<b>Door Core</b>	Bonded non-fibrous infill material laminated under pressure to internal face of sheets.
<b>Frame</b>	100mm deep 1.6mm galvanneal steel knock-down 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 4 No. 100mm stainless steel hinges. The door leaves contain 4 inbuilt dog bolt security pins each as standard, 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.
<b>Options</b>	Over panels (Solid, Glazed or Louvred). Mullions. Transoms. Sills. Weather Bars Vision panels & Fire Rated Vision Panels. Louvres & Fire Rated louvres. Wrap Around Frames, Single Rebate Frame

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**Accessories**

Fortress Panic bolt.  
Fortress Panic latch.  
Fortress Door closer.  
Fortress Sash lock, Lever handle, Escutcheons & Double Euro Cylinder  
Fortress Deadlock, Escutcheons & Double Euro Cylinder  
Fortress Night Latch, Lever handles, split spindle, escutcheon and Half Cylinder.  
ASSA ABLOY EL560 electronic sash lock  
Fortress Maglocks  
Fortress Pull Handles.  
Fortress Kick/push plates.  
Fortress Friction stays.  
Weather seal. Smoke seal. Acoustic Seal  
Door selector  
Door Viewer

**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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