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## NBS L20/480

## METAL DOORSETS

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### APPENDIX 06i

### FORTRESS ACOUSTIC STEEL DOORSET LPS1175 SR2

<b>Product Reference</b>	Fortress FSD10 Single Acoustic Steel Security Door set LPS 1175 SR2.
<b>Description</b>	Flush single steel security door set with a hollow metal construction designed for industrial and commercial applications.
<b>Size</b>	Structural opening size: Standard 1000mm x 2100mm or 1125mm x 2100mm Frame size: 990mm x 2095mm or 1115mm x 2095mm Door leaf size: 884mm x 2039mm or 1009mm 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 insulated. Acoustic performance: Up to Weighted Level Difference D <sub>w</sub> value 45dB. Air permeability: 2.0m <sup>3</sup> /hr/m <sup>2</sup> Fire performance: 4-hour fire resistance BS 476: Part 22 (1987). Acoustic Rating : Up to 45dB Security rating : LPS1175 SR2 & Secure by Design . 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 63mm 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 LPS1175 rated acoustic infill material laminated under pressure to internal face of sheets.
<b>Frame</b>	90mm deep 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. Door is ambidextrous and can be handed on-site if required. Frame is filled with acoustic sound deadening material. Frame comes complete with dual acoustic seals on each rebate.
<b>Threshold</b>	A shallow depth extruded steel profile gives additional strength to the frame; aiding weatherproofing and incorporates sound reduction seals.
<b>Hardware</b>	Door leaves are hung with 3 No surface mounted aluminium adjustable hinges. The door leaf contains inbuilt dog bolt security pins 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) Sills. Weather Bars Standard Vision panels & Fire Rated Vision Panels.

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**Accessories**

Fortress MICO Security Panic bolt.  
Fortress MICO Security Panic latch.  
Fortress Door closer.  
Fortress Euro Specification Sash lock, Lever handle, Escutcheons & Double Euro Cylinder  
Fortress Euro Specification Deadlock, Escutcheons & Double Euro Cylinder  
Fortress Euro Specification Night Latch, Lever handle, Escutcheon and Half Cylinder  
Fortress Pull Handles.  
Fortress Kick/push plates.  
Fortress Friction stays.  
Weather seal. Smoke seal.  
Acoustic Seal drop down seals  
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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