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NBS L20/480

METAL DOORSETS

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APPENDIX 06

FORTRESS SDS10 & SDS11 STEEL DOORSET

Product Reference	Fortress Single Steel Door set.
Description	Flush single steel door set with a hollow metal construction designed for general purpose industrial and commercial applications.
Size	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
Performance	Insulation Material Thermal performance: U-value 0.363 W/m ² K Door Assembly Thermal performance: Max U-value 1.6 W/m ² K when insulated. Acoustic performance: Up to Weighted Level Difference D _w value 35dB. Air permeability: 2.0m ³ /hr/m ² Fire performance: 4-hour fire resistance BS 476: Part 22 (1987). Security rating EN1627 2011: RC level 1 or 2. 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).
Door Leaf	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.
Door Core	Bonded non-fibrous honeycomb core: structural small cell (25mm) max Kraft paper honeycomb laminated under pressure to face sheets.
Door Core Options	Standard honeycomb Dufalite or Rockwool insulation
Frame	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.
Threshold	A shallow depth extruded steel profile gives additional strength to the frame; aiding weatherproofing and sound reduction.
Hardware	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.
Finish	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.
Options	Over panels (Solid, Glazed or Louvred). Side panels (Solid, Glazed, Louvred). Mullions. Transoms. Sills. Weather Bars Standard Vision panels & Fire Rated Vision Panels. Standard 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 handle, Escutcheon and Half Cylinder
Fortress Pull Handles.
Fortress Kick/push plates.
Fortress Friction stays.
Weather seal. Smoke seal. Acoustic Seal
Letter Box, 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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