



SD/SFG Ground Floor System Technical Datasheet

Scope

The SD/SFG system is designed as a high usage commercial door and framing solution capable of being manufactured in single, double, and emergency door types and utilising low thresholds and a variety of options such as radius anti-finger trap stiles. It is capable of accepting glazing from 6mm to 24mm thick.

Materials

- Extruded aluminium is generally Aluminium Alloy 6060.T6/T66, 6063.T6/T66, 6082.T6 to BS EN 755-9 and EN 12020-2.
- The Gasketry is generally manufactured in accordance with BS ISO 3302-1.
- The fixings are generally A2 Stainless Steel screws.

Finishes

SD/SFG framing sections are available typically in three finishes.

- Polyester Powder Coating to BS EN 12206-1 Part 1 painted in house. Surface finished to a minimum of 40 microns standard, or enhanced to suit project requirements, in accordance with ISO 9001, ISO 14001 and ISO 45001.
- Anodised finishes are to BS3897 to a minimum of 25 microns (AA25), supplied in either satin or polished finish in a limited range of colours.
- Mill Finish.

Construction

SD/SFG is constructed with square cut components, mechanically jointed using self tapping screws into special cleats, and torsion bars are used for compressive strength. A proprietary sealant is used on all metal joints in line with good practice.

Environmental

Senior Architectural Systems is fully compliant with BS EN ISO 9001, BS EN ISO 14001, ISO 45001 and BES6001 standards. When used on projects involved in a BREEAM assessment, or within the Code for a Sustainable Built Environment, (which therefore involves the Green Guide specification) can offer significant benefits. For project specific assistance, please contact our specification team.



*Image for indicative purposes only

Typical Sizes

Standard Hook Locks

Max door leaf width	1100mm (PAS24 Compliant) 1150mm (Not PAS24 Compliant)
Max door leaf height	2400mm

Panic Doors

Max door leaf width	1100mm
Max door leaf height	2200mm

*Average U-values

CEN standard (Double Glazed)	U-values are calculated on a project specific basis. Please contact your Technical Sales Manager or Architectural Advisor for more information.
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Glazing

Thickness	6mm - 24mm
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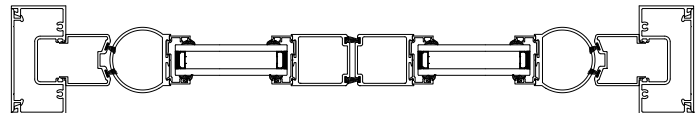
Testing

Security	PAS24 & SBD
**BS6375 -1	✓
BS6375 - 2	✓

*All calculations are based on CEN sized single doors 1230mm x 2180mm ±25% and double door 2000mm x 2180mm ±25%.

**Results may vary based on specification. Further details are available upon request.

Test certifications available upon request.



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