

# 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.

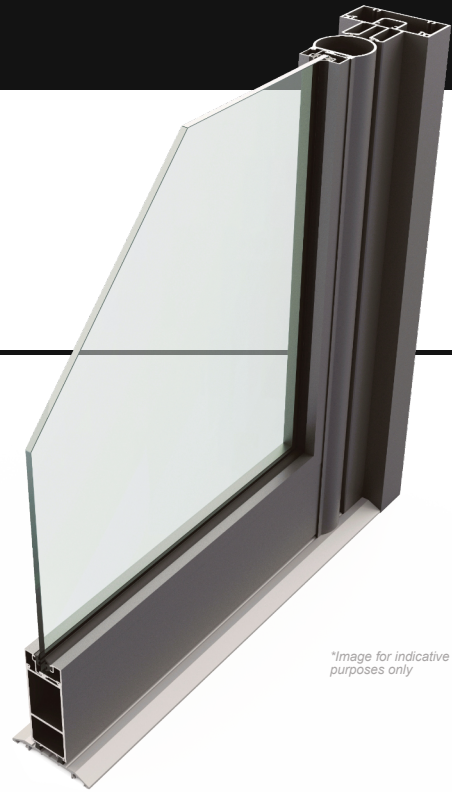
- Polyester Powder Coating to BS EN 12206-1 Part 1 painted in house. Surface finished to a minimum of 40 microns standard, or enhanced to suit project requirements, in accordance with ISO 9001, ISO 14001 and ISO 45001.
- Anodised finishes are to BS3897 to a minimum of 25 microns (AA25), supplied in either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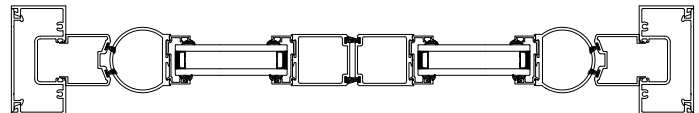
### Testing

Security	PAS24 & SBD
**BS6375 - 1	✓
BS6375 - 2	✓
BS6375 - 3	✓

*\*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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