



SPD 150 High Usage Non-Rebated Door System

Technical Datasheet

Scope

The SPD150 system is designed as a high usage, non-rebated door and framing solution capable of being manufactured as single and double doors, including emergency door types and utilising low thresholds and a variety of options such as radius anti-finger trap stiles. It is a thermally broken polyamide system, capable of accepting glazing up to 48mm thickness.

Materials

- Extruded aluminium is generally Aluminium Alloy 6060.T6/T66, 6063.T6/T66, 6082.T6 to BS EN 755-9 and EN 12020-2.
- Polyamide thermal barriers PA66 GF.25 and Senior Architectural Systems Polyurethane.
- The Gasketry is generally manufactured in accordance with BS ISO 3302-1.
- The fixings are generally A2 Stainless Steel screws.

Finishes

SPD150 framing sections are available typically in three finishes.

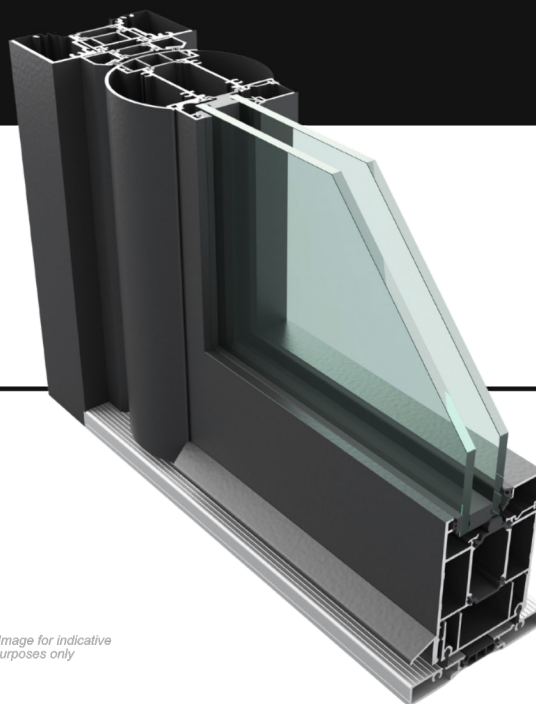
- Polyester Powder Coating to BS EN 12206-1 Part 1 painted in house. Surface finished to a minimum of 40 microns standard, or enhanced to suit project requirements, in accordance with ISO 9001, ISO 14001 and ISO 45001.
- Anodised finishes are to BS3897 to a minimum of 25 microns (AA25), supplied in either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

Construction

SPD150 is constructed with square cut components, mechanically jointed using self tapping screws into special shearblocks. 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 Locking	
Max door leaf width	1250mm
Max door leaf height	2600mm
Max weight per door leaf	110kg & 150kg
Electric Locking	
Max door leaf width	1250mm
Max door leaf height	2600mm
Max weight per door leaf	110kg & 150kg
Push Panic Exit	
Max door leaf width	1250mm
Max door leaf height	2600mm
Max weight per door leaf	110kg & 150kg

*Average U-values

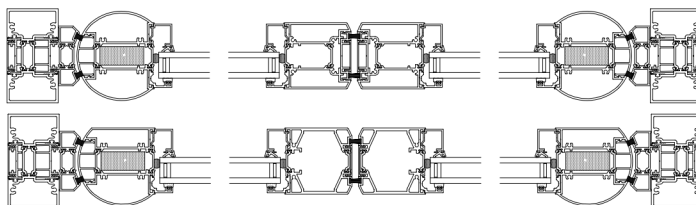
Single Door	
CEN standard (Double Glazed)	1.6 W/m²K
CEN standard (Triple Glazed)	1.3 W/m²K
Double Door	
CEN standard (Double Glazed)	1.6 W/m²K
CEN standard (Triple Glazed)	1.3 W/m²K

Glazing	
Thickness	28mm - 48mm

Testing	
Security	PAS24
**BS6375 - 1	✓
BS6375 - 2	✓

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

Test certifications available upon request.



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