SENIOR ARCHITECTURAL SYSTEMS

SF52
Curtain Wall System
Technical Datasheet

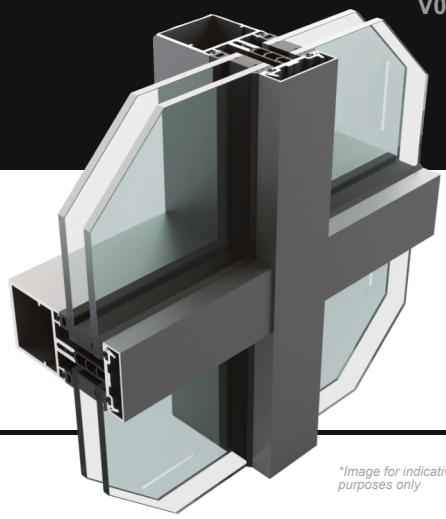


*Image for indicative purposes only

Scope

The SF52 curtain wall system has been designed to enhance thermal performance meaning the system can exceed current building regulations. It is a stick type front loaded system using spring pins and a specially designed cleat which allows square cutting throughout. The system can be either zone drained (via conventional pressure plate drainage or using a specially designed spout system through the mullion) or it can be mullion drained. The zone drained system can be assembled capped, uncapped (using the SAS toggles) or combination of the two. Glazing ranges from 6mm to 52mm. Section sizes vary from 50mm to 250mm. Specific profiles can be incorporated offering design flexibility.

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

SF52 Curtain Wall 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

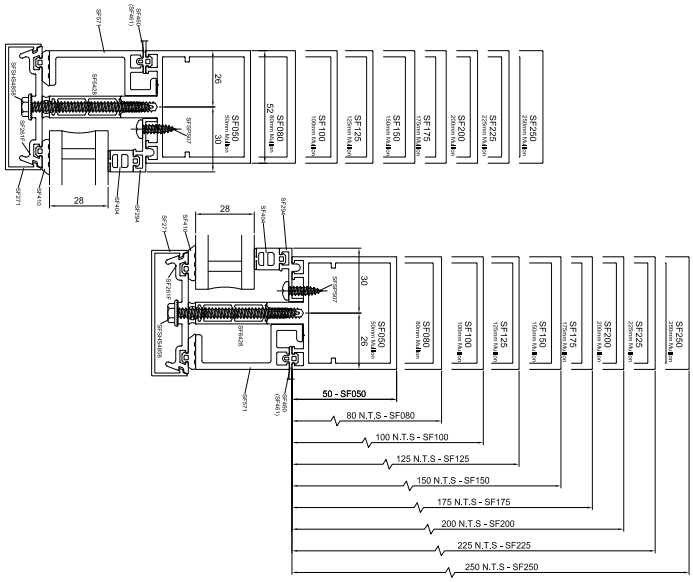
The SF52 curtain wall system utilises square cuts throughout and is joined using a specially designed cleat and spring pin within the zone drained system. The mullion drained system uses a “lap” joint. A proprietary sealant is used on all metal to metal joints in line with good working practice. All internal gaskets are designed to mate with injection moulded corner pieces and are sealed at joints. Shear blocks and reinforcing sleeves are available.

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.

*Average U-values	
CEN standard (Double Glazed)	Due to the variety of profiles, mullion spacing, glass and panel specifications on each project; a specific U-value calculation will be required. Please contact your Technical Sales Manager or Architectural Advisor for more information.
CEN standard (Triple Glazed)	
Glazing	
Thickness (Mullion Drained)	6mm - 50mm
Thickness (With SG)	28mm - 43mm
Testing	
Security	PAS24 & SBD
CWCT Sequence B / EN13830	Air Permeability 600Pa
	Water Tightness 600Pa
	Wind Resistance 2400Pa
Acoustics	
Acoustic Performance (IGU Dependent)	46dB reduction is achievable
Horizontal Flanking	
Horizontal Flanking (IGU Dependent)	57dB reduction is achievable
Transom Loads	
SF52 Transom Loads	350kg Standard
	500kg Reinforced

Test certifications available upon request.



Secured by Design

Official Police Security Initiative

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