

SF52 Mullion Drained Curtain Wall System

Scope

The SF52 Mullion Drained curtain walling has been designed to enhance thermal performance meaning the system can exceed current building regulations. The system is a stick type front loaded system using spring pins or a shear block (depending on the project requirements) and a lap cut transom. The system is mullion drained and can be fully capped, fully silicone glazed (using the SAS toggles) or a combination of the two. Sections sizes vary with transom from 80mm to 250mm (80, 100, 125, 150, 175, 200, 225, 250) and mullions from 72mm to 242mm (72, 92, 117, 142, 167, 192, 217, 242). The system can be used in conjunction with other SAS systems. 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.
- Thermal breaks are extruded to BS 7619.
- Gaskets are generally manufactured in accordance with BS 3734.

Finishes

SF52 curtain wall sections are available typically in three finishes.

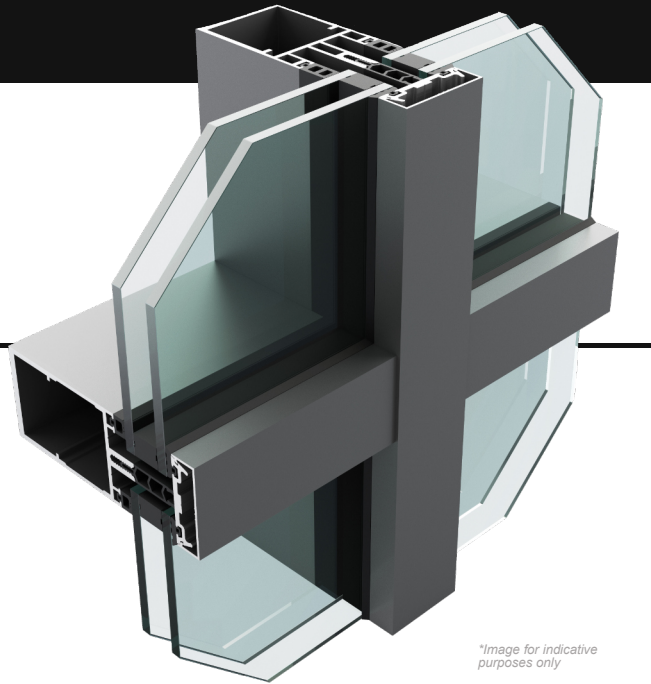
- Polyester Powder Coating to BS EN 12206-1 Part 1 painted in house. Surface finished to a minimum of 40 microns standard, or enhanced to suit project requirements, in accordance with ISO 9001, ISO 14001 and ISO 45001.
- Anodised finishes are to BS3897 to a minimum of 25 microns (AA25), supplied in either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

Construction

The SF62 curtain walling range is a mullion drained system utilising a "lap" joint used in conjunction with a spring pins or shear blocks, depending on the connection type and infill weight required. All internal gaskets are designed to mate with injection moulded corner pieces which are sealed at joints. Reinforcing sleeves, steel and back boxes can be used to strengthen mullions and achieve longer spans. For specific construction details, please refer to the technical manuals.

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*

*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	12mm - 52mm (Refer to the glazing chart in the SF62 Technical Manual for further information)
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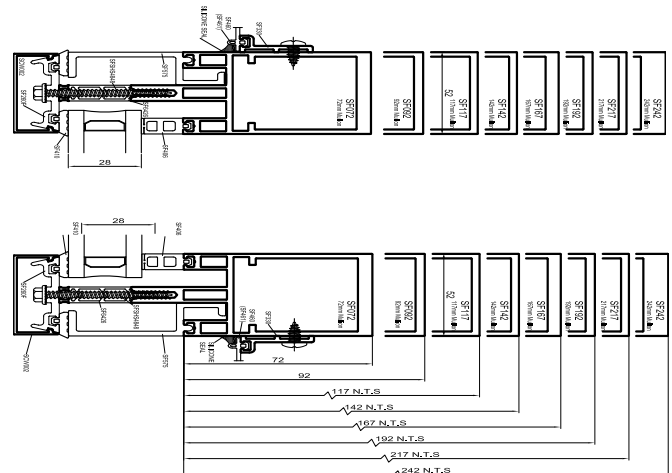
Testing

CWCT Sequence B / EN13830	Air Permeability 600Pa
	Water Tightness 600Pa
	Wind Resistance 2400Pa

Transom Loads

SF52 Mullion Drained Transom Loads	350kg & 500kg
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Test certifications available upon request.



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